

central subway

Connecting the Pieces at UMS

Workers have demolished a wall at the southeast corner of the Union Square Garage, connecting it with the north concourse.



Progress Report

April 2016



SFMTA
Municipal
Transportation
Agency

This page intentionally left blank

Table of Contents

Executive Summary	5
Key Milestones	6
Costs and Schedule	7
Costs	7
Earned Value Analysis	7
Schedule Highlights.....	8
Master Project Schedule	10
Contracts & Construction	11
Contract 1300 Stations, Surface, Track and Systems.....	12
Work Package1254 Chinatown Station	13
Work Package1253 Union Square / Market Street Station	16
Work Package1255 Yerba Buena / Moscone Station	19
Work Package1256 Systems, Trackwork & Stations	22
Program Components	24
Community Outreach	24
Quality Assurance	25
Risk Management	26
Program Safety & Security	28
Technical Capacity	31
Staffing	32
Third-Party Agreements and Licenses	33
LRV Procurement.....	33
Current Construction Activity and Progress Photos	34

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

Table of Contents - continued

Appendices

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



Cover photo: A worker sprays water to keep dust down inside the Union Square Garage, where a small portion of wall formerly separating the north concourse from the future north station entrance has been demolished. With this connection now opened up, work is progressing toward constructing the north station entrance. **More photos can be found starting on page 34.**

Above photos: Scaffolding has been erected around the future station cavern entrance archway, where jet grouting and drilling operations can be seen. Workers first had to drill through the exterior slurry wall under the arch to inject grout and harden soil behind it, prior to beginning the process of demolition.

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



Steel tubes called walers span across the station headhouse, temporarily reinforcing the outer walls against the pressure of surrounding soil during excavation.

Executive Summary

Continue excavation at YBM, UMS and CTS Stations for the future stations.

Chinatown Station - Headhouse: excavate to Temp level 5.0 Struts; install Walers and Struts Level 5. Crosscut Cavern: begin tunneling under Stockton Street. Incidental street work, monitoring, surveying. North Emergency Egress Shaft - excavation begins mid-May.

Union Square/Market Street Station - North Concourse : complete installation of PG&E electric line and cut over one service connection on the east side. Backfill and install paving. Below deck: pre-condition compensation grout pipes. Chip beams and expose piles. Install shotcrete leveling course. Platform Station: install excavation support for roof deck section 5B-11R. Chip/expose/repair piles, set/weld deck beams and install steel decking and studs. Continue jet grout columns. South Concourse: Excavate/grade for concourse invert slab, chip/prepare piles for stub beams and vertical drain slot, fine grade/install base and slab drain pipes. For, and pour mud slab. Install waterproofing. Ellis Annex: Remove and replace seismic joint, water test seismic joint, install waterproofing, grout protection course and lightweight concrete. UMS Garage: continue and complete demolition at Levels 2 and Level 3; commence underpinning work.

Yerba Buena/Moscone Station - Continue excavation and temporary bracing installation in headhouse and station box, including excavation to allow completion of Concourse level slab installation. Concourse level concrete pour 2 of 3 completed. Install in slab drains Concourse sector 2. Continue utility installation on 4th Street north of the north headwall and on Folsom Street.

Surface, Track and Systems– Continue Muni ductbank installation. Continue 78" sewer rehabilitation. Continue 36" sewer force main. Continue Auxiliary Water Supply System (AWSS) installation. Continue water line work. Continue AT&T cutover. Continue tunnel prep work. Continue OCS pole foundation installation. Start tunnel drainage system installation. Start tunnel invert slab work.

Tunnel - Contract administrative closeout is ongoing.

Total project costs to date are \$929.94 million, an increase of \$11.07 million over last month. The total cost to date equals 58.92% of the total project budget of \$1.578 billion. The Master Project Schedule forecast the Revenue Service Date of June 2019.

The 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 page 30.

Key Milestones

Utility Trenching and Upgrade Work along 4th Street

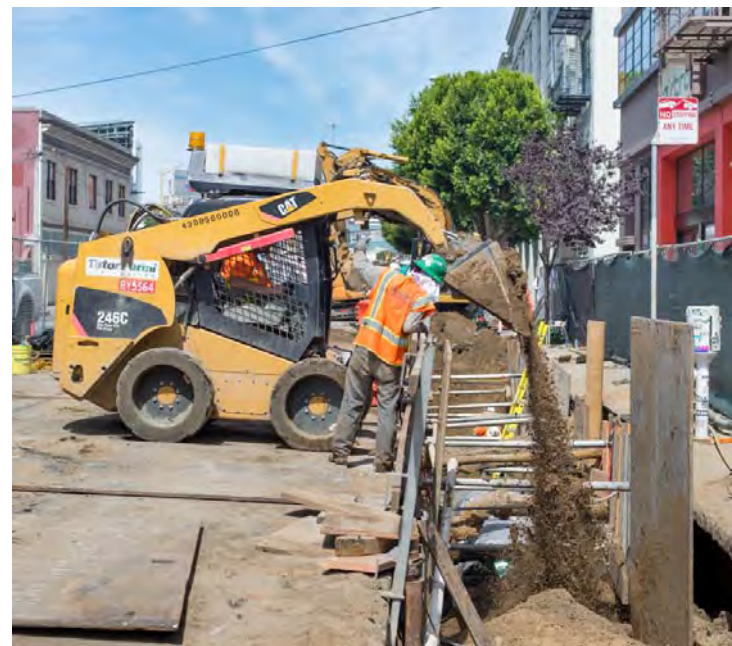


1 Existing utilities are found and replaced or reinforced if necessary



2 A trench is dug and utilities are installed or upgraded

MILESTONE	DATE EXPECTED
General	
Revenue Service	June 2019
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 Once all work is complete the trench is backfilled and soil is compacted

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 \$929.94 million, a \$11.07 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$892.44 million) plus the utilities joint trench Form B Reimbursement payment (\$10.52 million), invoices currently being processed (\$24.74 million) and estimates of outstanding pay requests (\$2.24 million). This incurred amount equals 58.92% of the total project budget of \$1.578 billion.

The current funding level to date is \$1,179.79 million. This represents 75% of the total project budget.

Earned Value Analysis

In April 2016 Report, the Preliminary Earned Value Analysis reports is based on the SFMTA April Schedule Update. The Planned Value, Earned Value, Actual Cost, Percent Complete and resulting indexes as follows:

Preliminary April Earned Value

Overall Budgeted Cost:	\$1,578,300,000
Planned Value:	\$1,196,745,370
Earned Value:	\$935,933,191
Actual Cost:	\$929,939,896
Schedule Performance Index (SPI):	0.78
Cost Performance Index (CPI):	1.01
Percent Complete:	59%

Schedule Highlights - Continued

The Master Project Schedule (MPS) below includes progress through April 2016. The April 2016 Schedule Update submittal from Contract 1300 Contractor is rejected due to incorrect schedule logic. The Contract 1300 schedule represented in this report is based on the SFMTA April 2016 Schedule Update. The Program is continuing to working with the CN-1300 Contractor to mutually agree on Actual Dates for work performed.

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

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

Schedule Contingency is fully utilized on the critical path of the MPS, which is below the Minimum Schedule Contingency level of 6 months. A schedule re-evaluation will be performed, utilizing the updated Contract 1300 Schedule. Recovery options are being implemented in key areas as work proceeds. SFMTA continues to meet with Contractor to discuss all schedule concerns and comments. The Contractor, Tutor Perini Corporation's (TPC) April 2016 schedule shows 6 calendar days of delay on the longest Critical Path through the Chinatown Station compared to the March 2016 Schedule Update. Contractor started activity Break-In & construct Top Side Wall & Headwall Right – Cross Cut Cavern China Town Sta. 6 calendar days later than planned in the March 2016 Schedule Update, thereby adding 6 calendar days of negative float to Project Final Completion. This 6 calendar day delay results in the forecast Revenue Service Date slipping from May 2019 as reported last month to June 2019.

Contract 1300 Contractor submitted seventeen (17) Schedule Updates from December 2014 to April 2016. SFMTA rejected eight (8) Schedule Updates from September 2015 to April 2016. Contractor has been directed to develop a Recovery Schedule as required by Contract and correct out-of-sequence and Retained Logic driving many of the forecast dates. Review of schedule updates as well as identifying recovery options is ongoing.

Contract 1300 Stations, Surface, Track and Systems

The Contractor, Tutor Perini Corporation's (TPC) baseline schedule is incorporated into the master program. The preliminary SFMTA Contract 1300 April 2016 schedule is used in April Report. The SFMTA Contract 1300 April 2016 schedule is based on the approved baseline schedule logic with adjustments made for fixing Retained Logic and lags. The SFMTA is developing their own Contract 1300 as-built schedule update. SFMTA met with the Contract 1300 Contractor on 4/28/16 to review



A bobcat fitted with a jackhammer removes concrete from around steel beams in the north concourse near where the entrance to the future north entrance will be located.

Schedule Highlights - Continued

draft monthly schedule update. It will take partnering effort with the Contractor, Tutor Perini Corporation's (TPC) to validate the prior 32 SFMTA monthly as-built schedules (JUN13 thru FEB16). The SFMTA will continue to use their Contract 1300 schedule update as a forecasting tool going forward until the Contract 1300 Contractor submits an acceptable schedule that addresses all of SFMTA scheduling concerns.

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

- Head house- excavate to Temp Level 5.0 Struts; install Walers and Struts Level 5
- Cross Cut Cavern: Begin tunneling under Stockton Street
- Incidental street work, monitoring, surveying
- North Emergency Egress Shaft – excavation begins mid-May

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

- North Concourse: Complete installation of PG&E electric line and cut over one service connection on the east side. Backfill and install paving. Below deck: precondition compensation grout pipes. Chip beams and expose piles. Install shotcrete leveling course
- Platform Station: Install excavation support for roof deck section 5B-11R. Chip/expose/repair piles, set/weld deck beams, and install steel decking and studs. Continue installing jet grout columns
- South Concourse: Excavate/grade for concourse invert slab, chip/prepare piles for stub beams and vertical drain slot, fine grade/install base and slab drain pipes, form and pour mud slab. Install waterproofing
- Ellis Annex: Remove and replace seismic joint, water test seismic joint, install waterproofing, grout protection course and lightweight concrete
- UMS Garage: Continue and complete demolition at Levels 2 and Level 3; commence underpinning work

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

- Continue excavation and temporary bracing installation in head house and station box, including excavation to allow completion of Concourse level slab installation
- Concourse level concrete pour 2 of 3 completed
- Install in slab drains Concourse sector 2
- Continue utility installation on 4th Street north of the north headwall and on Folsom Street

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

- Continue Muni ductbank installation
- Continue 78" sewer rehabilitation
- Continue 36" sewer force main
- Continue Auxiliary Water Supply System (AWSS) installation
- Continue water line work
- Continue AT&T cutover
- Continue tunnel prep work
- Continue OCS pole foundation installation
- Start tunnel drainage system installation
- Start tunnel invert slab work

Master Project Schedule - (December Update)

Activity ID	Activity Name	Original Duration	2016			2017			2018			2019			2020		
			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	4173	CENTRAL SUBWAY PROJECT														
MS00044	Tunnel Excavation Complete - Project Milestone #4A	0	Program Level Milestones														
MS00019	Baseline Finish Date: 12-26-2018	0	◆ Baseline Finish Date: 12-26-2018														
MS00009	CSP Revenue Service Date	0	◆ CSP Revenue Service Date														
Preliminary Engineering Phase																	
Final Design																	
	Light Rail Vehicles	2005	Light Rail Vehicles														
	Real Estate	3130	Real Estate														
Construction Phase																	
Construction Support and Costs																	
	Construction Utility Contract #1- MOS & Portal CN-1250	505	Construction Support and Costs														
	Construction Utility Contract #2 - UMS CN-1251	643															
	Construction Tunnels CN-1252	1415	Construction Tunnels CN-1252														
	Construction CN-1300	1444	Construction CN-1300														
	CN-1300 Milestone	1444	CN-1300 Milestone														
	Construction UMS Station P-1253	1386	Construction UMS Station P-1253														
	Construction CTS Station P-1254R	1386	Construction CTS Station P-1254R														
	Construction YBM Station P-1255	1386	Construction YBM Station P-1255														
	Construction STS P-1256	1444	Construction STS P-1256														
	Project Start Up	115	Project Start Up														
Unallocated Contingency																	
CO1.700	Cost Activity Unallocated Contingency (LOE) - 1.7.500.95.090.00 - Contingency	115	Unallocated Contingency														
Cost Activity Unallocated Contingency (LOE) - 1.7.																	



Looking south inside the station headhouse, where work to prepare temporary steel reinforcing beams for another round of excavation is underway.

Contracts & Construction

Construction Contracts In Progress

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

- Contractor: Tutor - Perini Corporation
- Amount: \$842.68 million
- Contract Status: 45.33% complete construction

Contracts Completed

[See Appendix D](#)

Contract 1250: Moscone Station and Portal Utilities Relocation

Contract 1251: Union Square/Market Street Station Utility Relocation

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

Contract 1252: Central Subway Tunneling

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

Stations, Surface, Track and Systems

Contract 1300 Contractor: Tutor-Perini Corporation

Description of Work

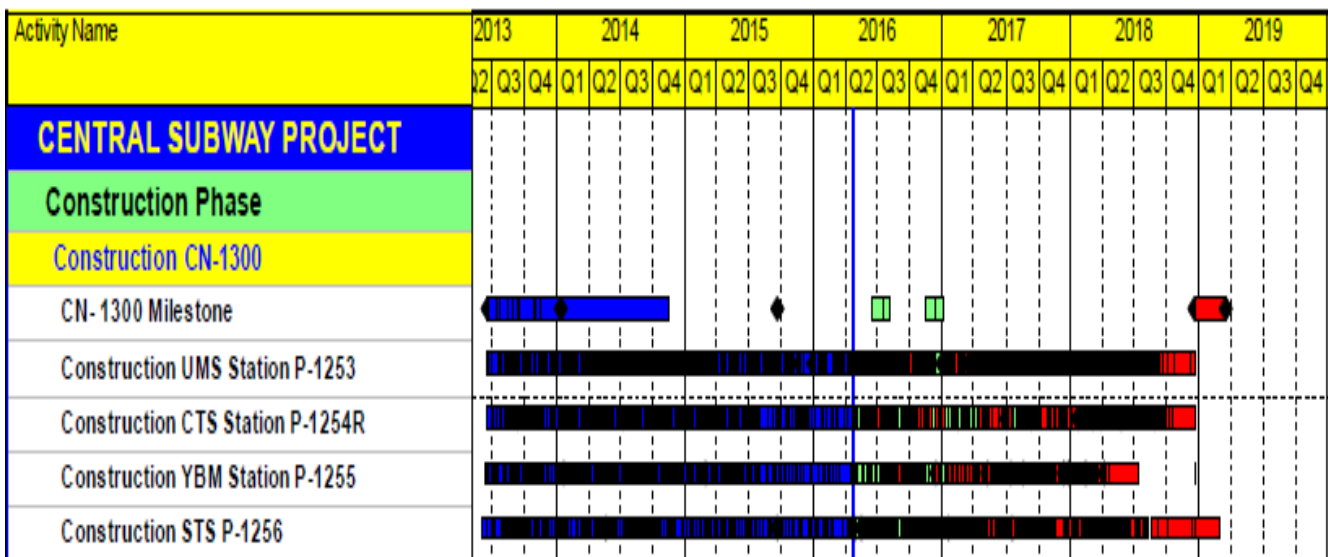
The Contract 1300 scope is to construct the Central Subway's three subway stations, one surface station, construct the 2,000 feet of surface track, and install track and operating systems throughout the new alignment. The separate station and systems work packages are presented in the following pages.

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

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	February 10, 2018
Contract Award Value:	\$839,676,400
Modifications to Date:	\$3,008,000
Current Contract Value :	\$842,684,400

Budget/Expenditures▲	
Current Budget	\$859,601,400
Expenditures to Date	\$371,488,082

1300 Summary Schedule



Chinatown Station

Contract 1300 - Work Package 1254R



Description of Work

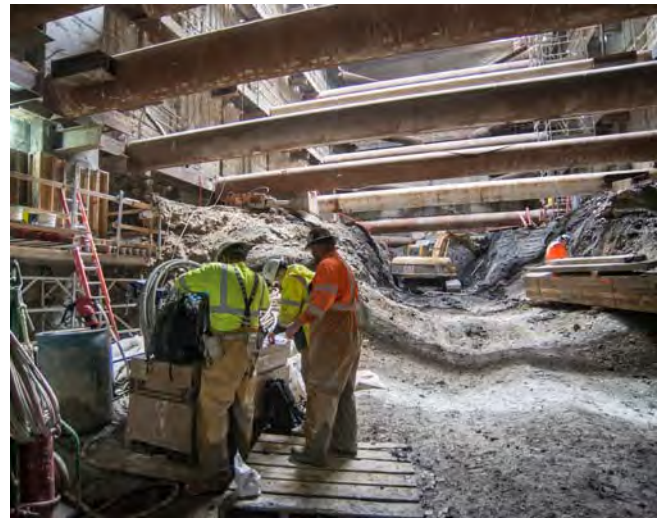
This Work Package is to construct one subway station. Includes station finishes, AC and DC Traction Power substations elevators, escalators, lighting, emergency ventilation fans, HVAC fire alarm/ suppression/ protection, slurry wall top-down construction, settlement monitoring, building protection, PA,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

Current Work Status

- Head house- excavate to Temp Level 5.0 Struts; install Walers and Struts Level 5
- Cross Cut Cavern: Begin tunneling under Stockton Street
- Incidental street work, monitoring, surveying
- North Emergency Egress Shaft – excavation begins mid-May

Work Expected Next Month

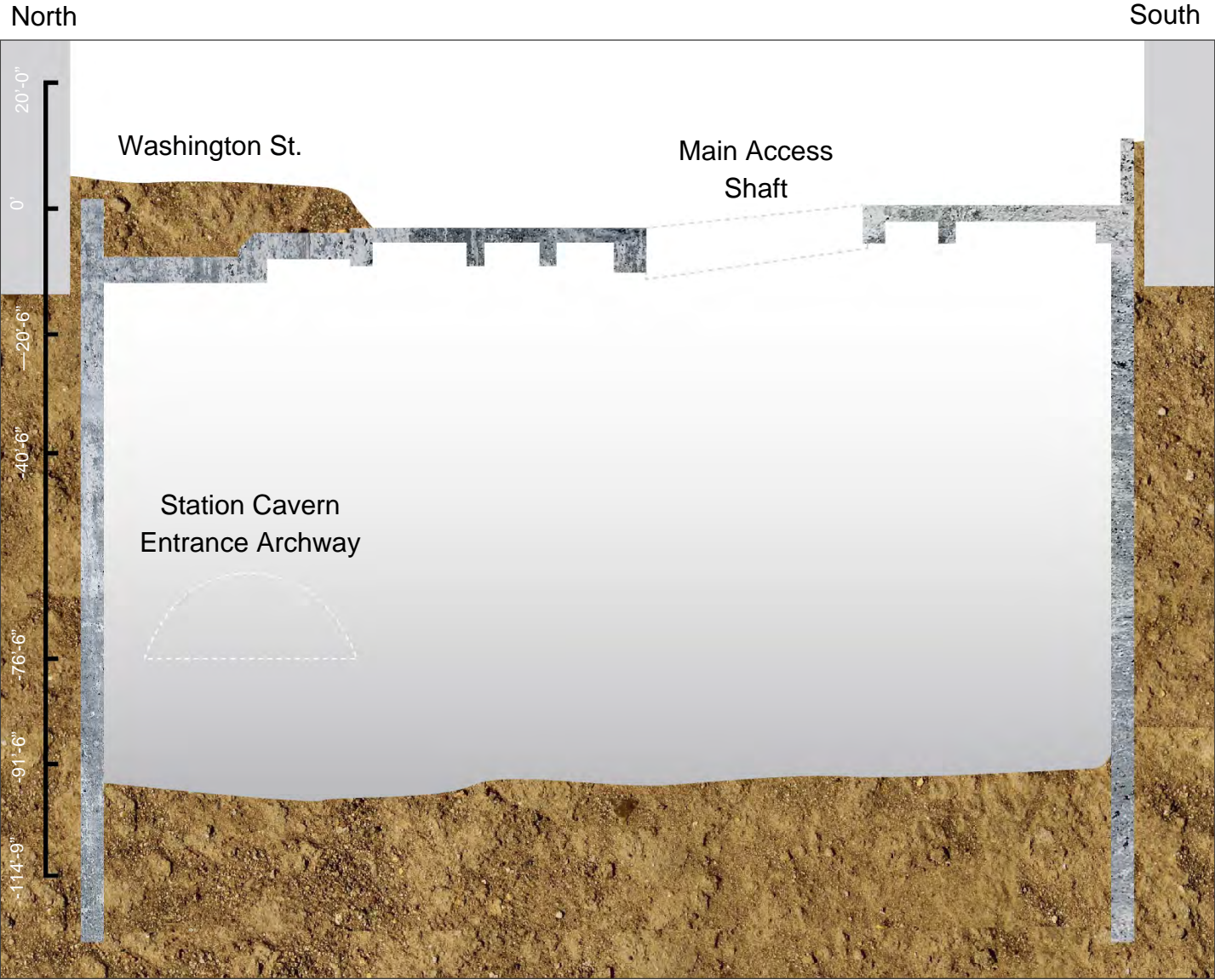
- Crosscut Cavern: continue tunneling under Stockton Street
- Compensation grouting may take place
- Head house – Complete Level 5 bracing. Excavate to Temp Level 6 Struts



Three Month Look Ahead

- Head house: Construct Level 3 composite wall, complete Temp level 5.0 Struts, Complete Level 6 excavation and install Level 6 Struts
- Compensation grouting on as-needed basis
- Crosscut Cavern: Complete Cross Cut Cavern excavation and primary lining; Begin Platform Cavern excavation

Station Excavation and Construction Progress Section

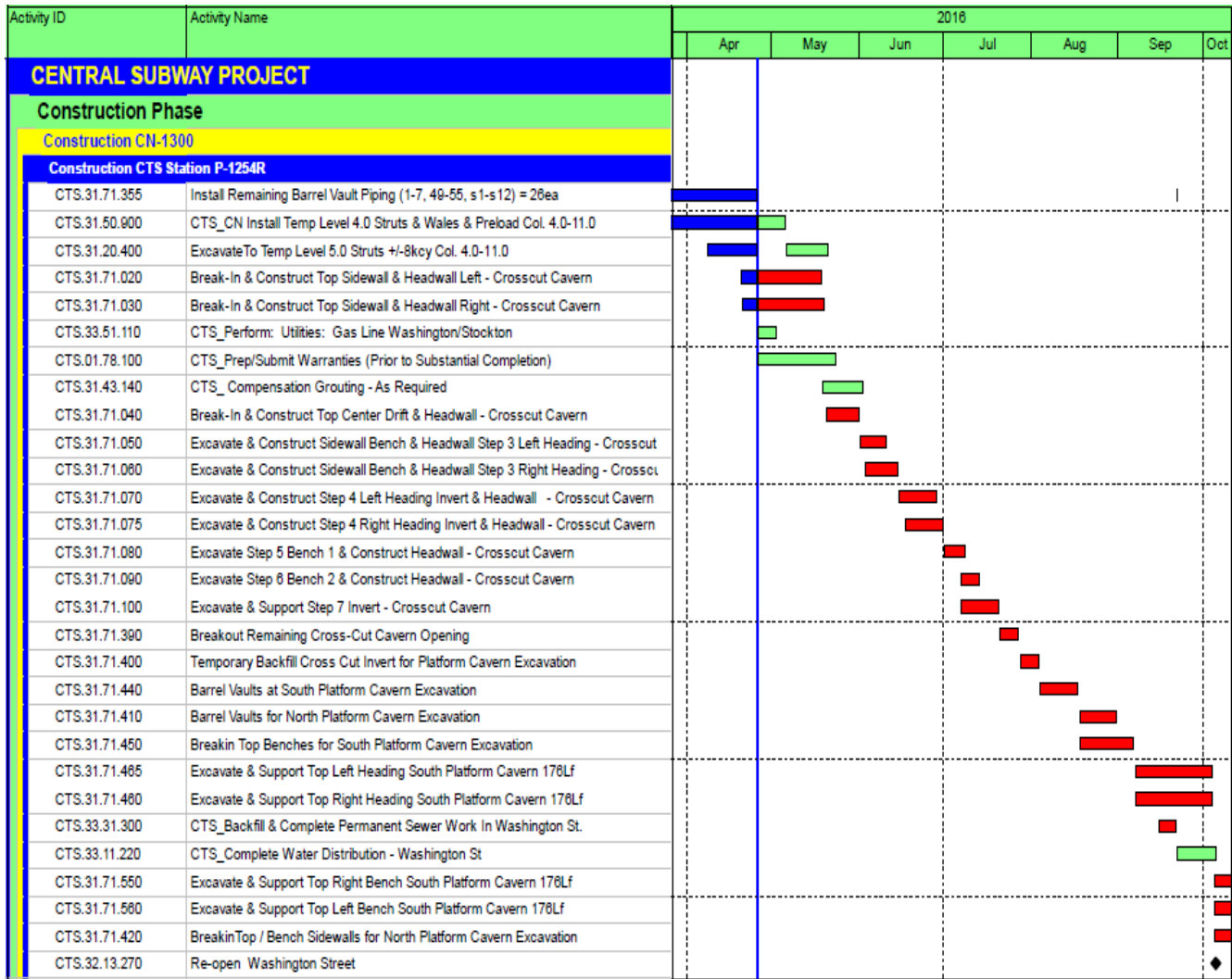


Chinatown Station Construction Status - Continued

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	February 10, 2018
Contract Award Value:	\$247,567,810
Modifications to Date:	\$2,677,458
Current Contract Value:	\$250,245,268

Budget/Expenditures	
Current Budget	\$252,492,810
Expenditures to Date	\$97,694,147

CTS Three Month Schedule



Schedule: Contract 1300 April 2016 Update

Union Square/Market Street Station

Contract 1300 Work Package 1253

Description of Work

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

Current Status This Month

- North Concourse: Complete installation of PG&E electric line and cut over one service connection on the east side. Backfill and install paving. Below deck: precondition compensation grout pipes. Chip beams and expose piles. Install shotcrete leveling course
- Platform Station: Install excavation support for roof deck section 5B-11R. Chip/expose/repair piles, set/weld deck beams, and install steel decking and studs. Continue installing jet grout columns
- South Concourse: Excavate/grade for concourse invert slab, chip/prepare piles for stub beams and vertical drain slot, fine grade/install base and slab drain pipes, form and pour mud slab. Install waterproofing
- Ellis Annex: Remove and replace seismic joint, water test seismic joint, install waterproofing, grout protection course and lightweight concrete.
- UMS Garage: Continue and complete demolition at Levels 2 and Level 3; commence underpinning work



- Demo south entrance for BART elevator Powell Street Station
- UMS Garage: Commence Demolition of 17-Line wall between USG and North Concourse. Continue FRP B-line wall

Three Month Look Ahead

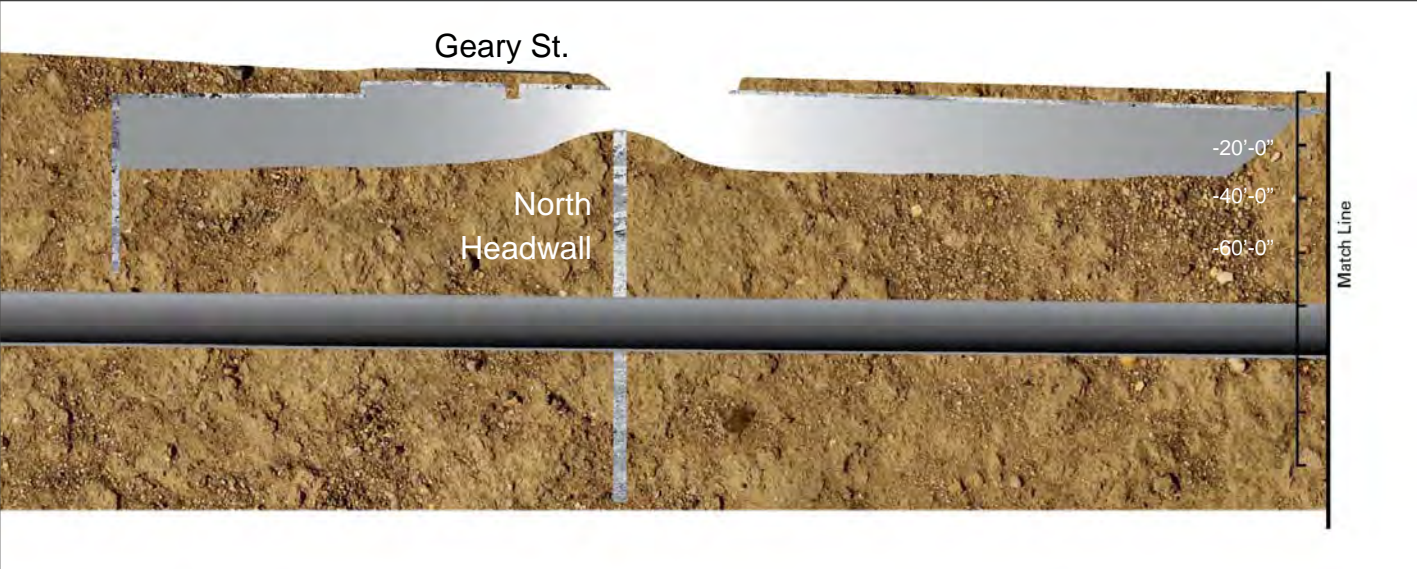
Work Expected Next Month

- North Concourse: Chip pile construction, install benches, rebar mesh & shotcrete leveling course; install permanent struts & wales on Concourse level; excavate HVAC duct chase invert, walls and lid; install W-section piles reinforcement
- Platform Station: Continue to chip/expose/repair piles, set/weld deck beams, and install steel decking and studs. Continue installing jet grout columns
- South Concourse: Complete excavate South Concourse to invert
- Access Shaft: break through battered piles & frame construction
- North Concourse: Install compensation grout tubing north of Geary; excavate to intermediate strut level, duct chase invert; install W-section piles reinforcement
- Ellis Street: Pave Stockton/Market/Ellis Street & intersection
- UMS Garage: Complete structural demolition; Complete underpinning and foundation work, commence fan level excavation within garage

Station Excavation and Construction Progress Section

North

South



Union Square Market Street Station Construction - Continued

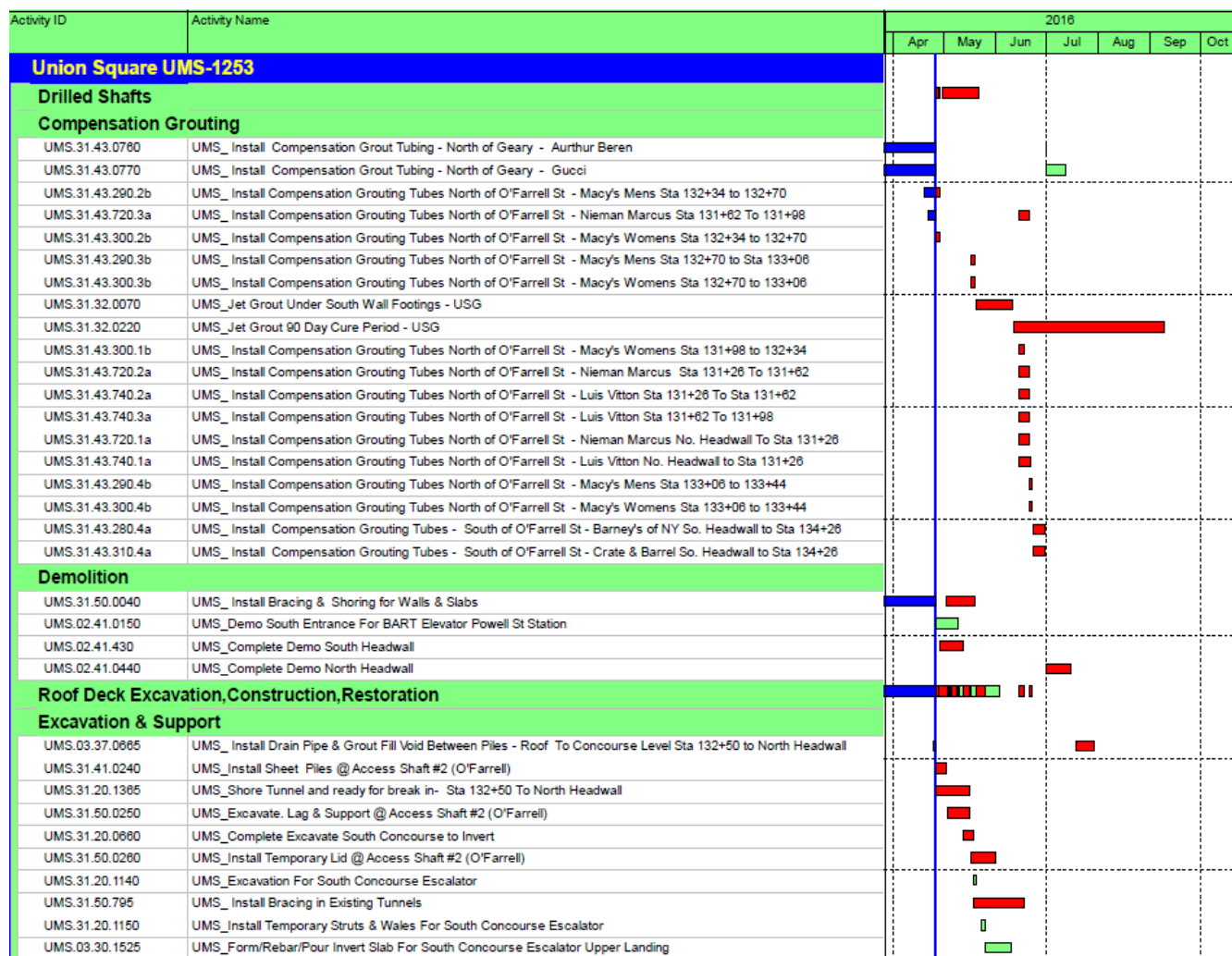
Contract Details

Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	February 10, 2018
Contract Award Value:	\$294,030,590
Modifications to Date:	\$191,294
Current Contract Value:	\$294,221,884

Budget/Expenditures ▲

Current Budget	\$299,030,590
Expenditures to Date	\$151,345,985

UMS Three Month Schedule



Schedule: Contract 1300 April 2016 Update

Yerba Buena/Moscone Station

Contract 1300 - Work Package 1255



Description of Work

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

Current Status

- Continue excavation and temporary bracing installation in head house and station box, including excavation to allow completion of Concourse level slab installation
- Concourse level concrete pour 2 of 3 completed
- Install in slab drains Concourse sector 2
- Continue utility installation on 4th Street north of the north headwall and on Folsom Street

Work Expected Next Month

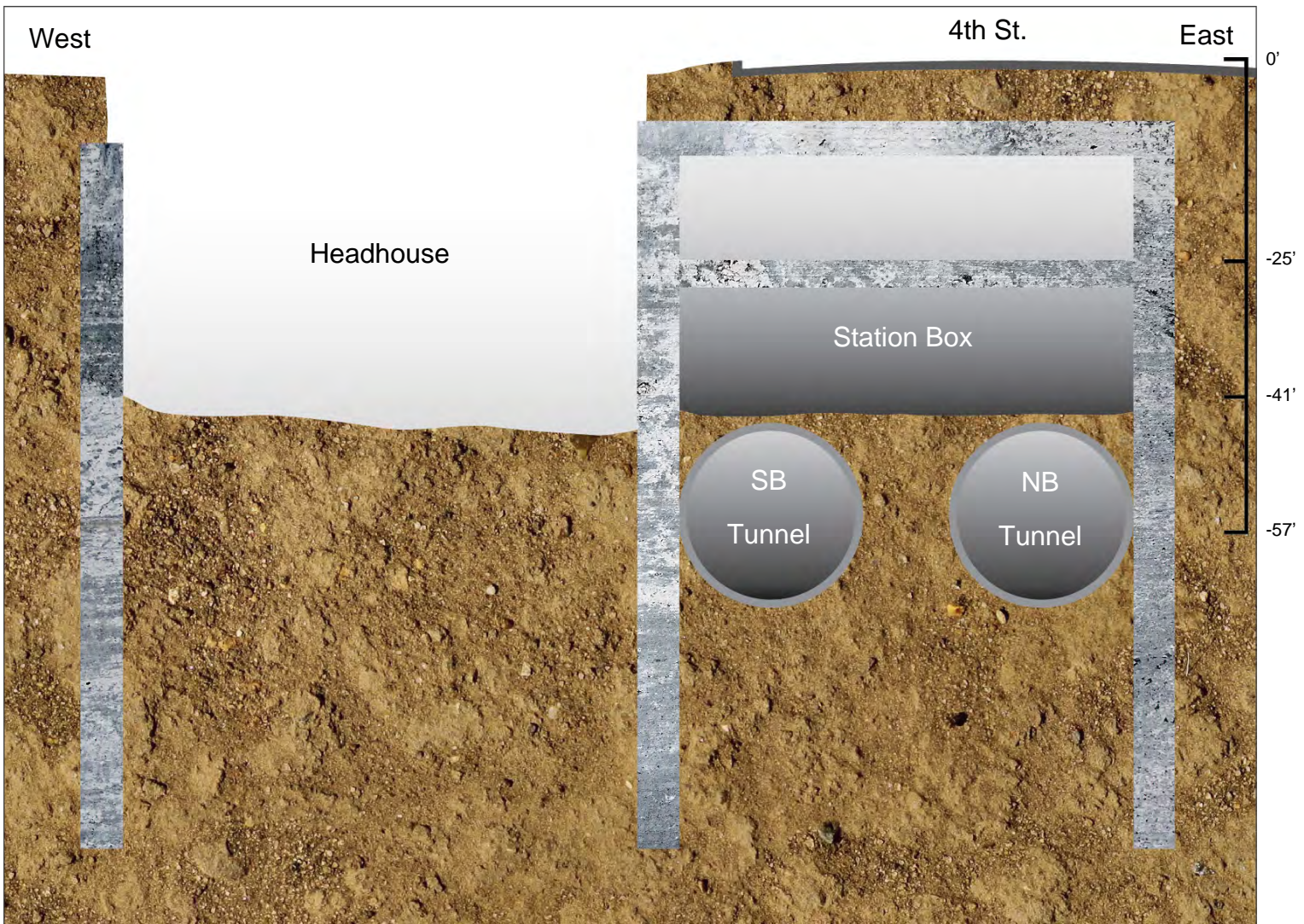
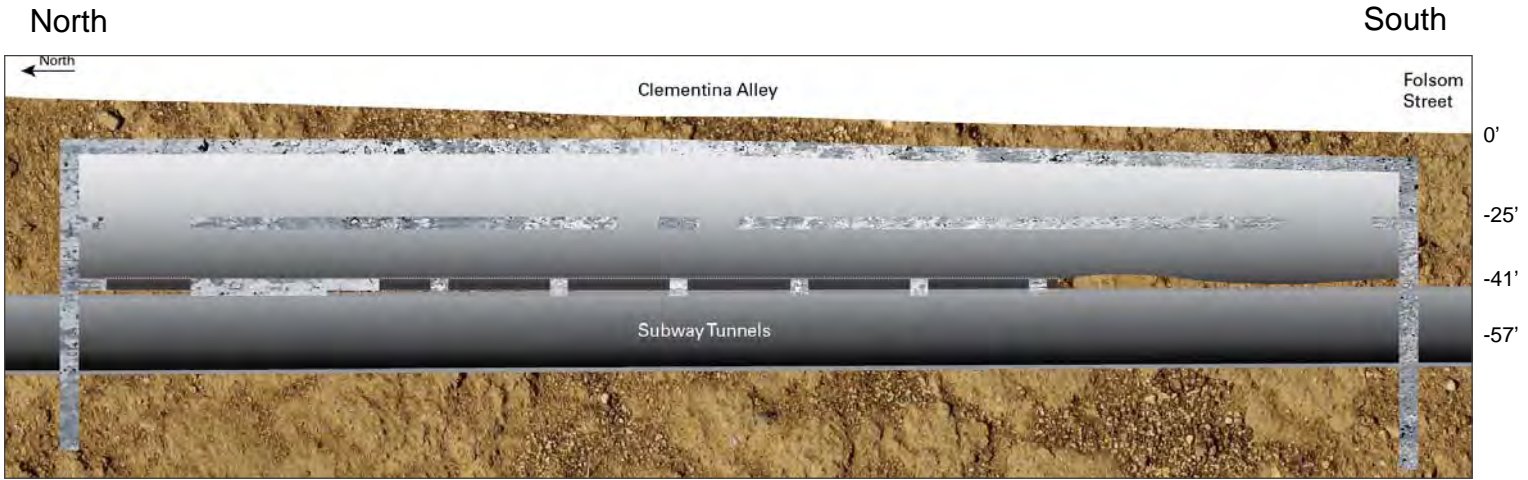
- Continue excavation and temporary bracing installation in head house and station box, including excavation to allow Concourse level slab installation
- Concourse level concrete pour 3 of 3
- Remove station Level 4 Struts; begin excavation of Station & Head house to Temp Strut Level 6
- Continue utility installation on 4th Street north of the north headwall and on Folsom Street



Three Month Look Ahead

- Finish Station Concourse Level Slab Pours; Remove Station Level 4 Struts; Excavate station and head house to Temp Strut Level 6
- Install Temp Strut Level 6; Excavate to Station Invert
- Utility installation at intersection of 4th Street with Howard Street and Folsom Streets
- Restore roadway on 4th Street

Station Excavation and Construction Progress Section

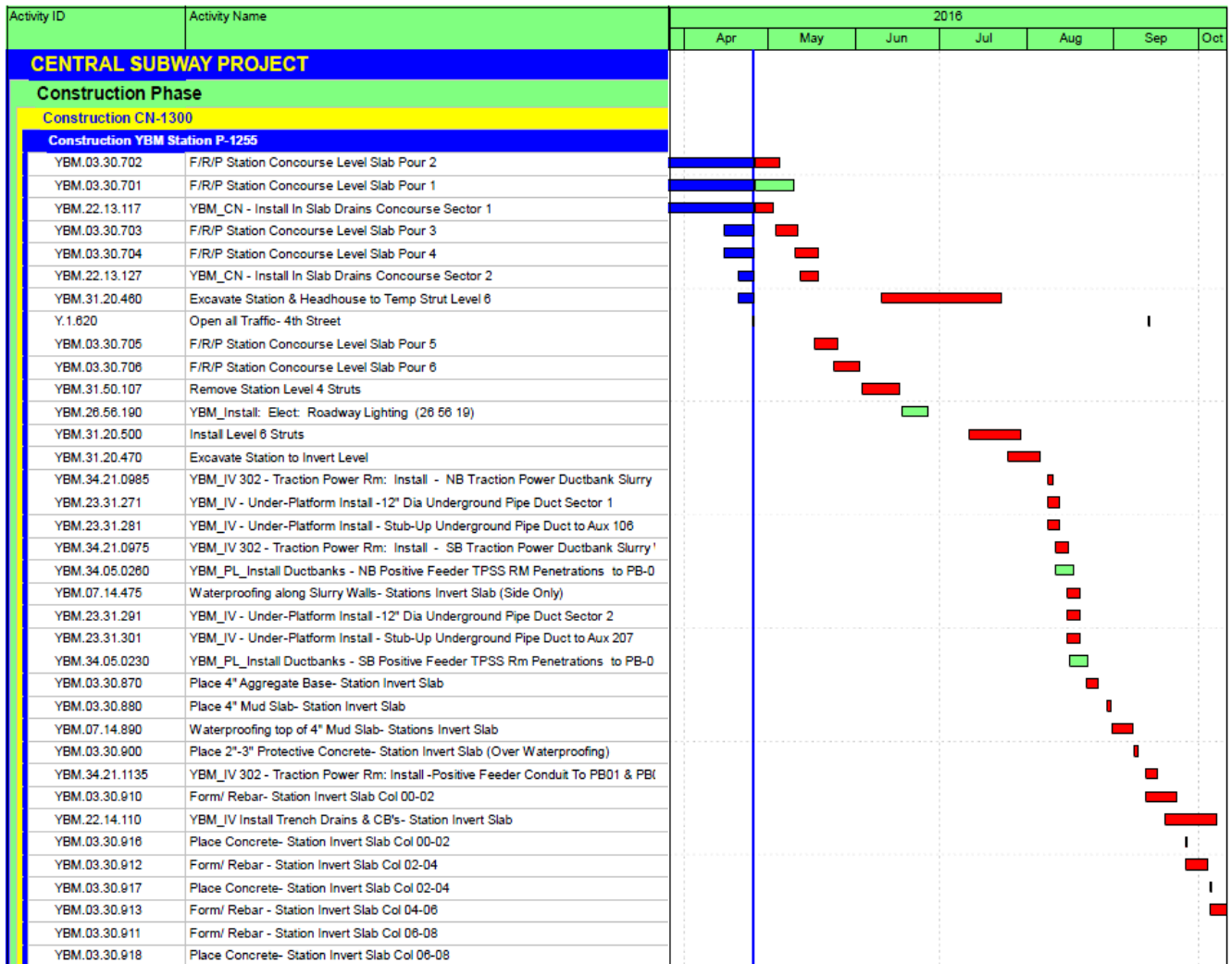


Yerba Buena Moscone Station Construction - Continued

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:	(\$1,216,653)
Current Contract Value:	\$156,872,347

Budget/Expenditures ▲	
Current Budget	\$163,089,000
Expenditures to Date	\$84,396,384

YBM Three Month Schedule



Schedule: Contract 1300 April 2016 Update

Systems, Trackwork, & Surface Station

Contract 1300 - Work Package 1256

Description of Work

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

Current Status

- Continue Muni ductbank installation
- Continue 78" sewer rehabilitation
- Continue 36" sewer force main
- Continue Auxiliary Water Supply System (AWSS) installation
- Continue water line work
- Continue AT&T cutover
- Continue tunnel prep work
- Continue OCS pole foundation installation
- Start tunnel drainage system installation
- Start tunnel invert slab work



Work Expected Next Month

- Continue 78" sewer rehabilitation
- Continue MRY ductbank and vault installation
- Continue 36" sewer force main
- Continue AWSS installation
- Continue waterline installation
- Continue OCS pole foundation installation
- Complete AT&T cutover
- Continue tunnel drainage system installation
- Continue tunnel invert slab work

Three Month Look Ahead

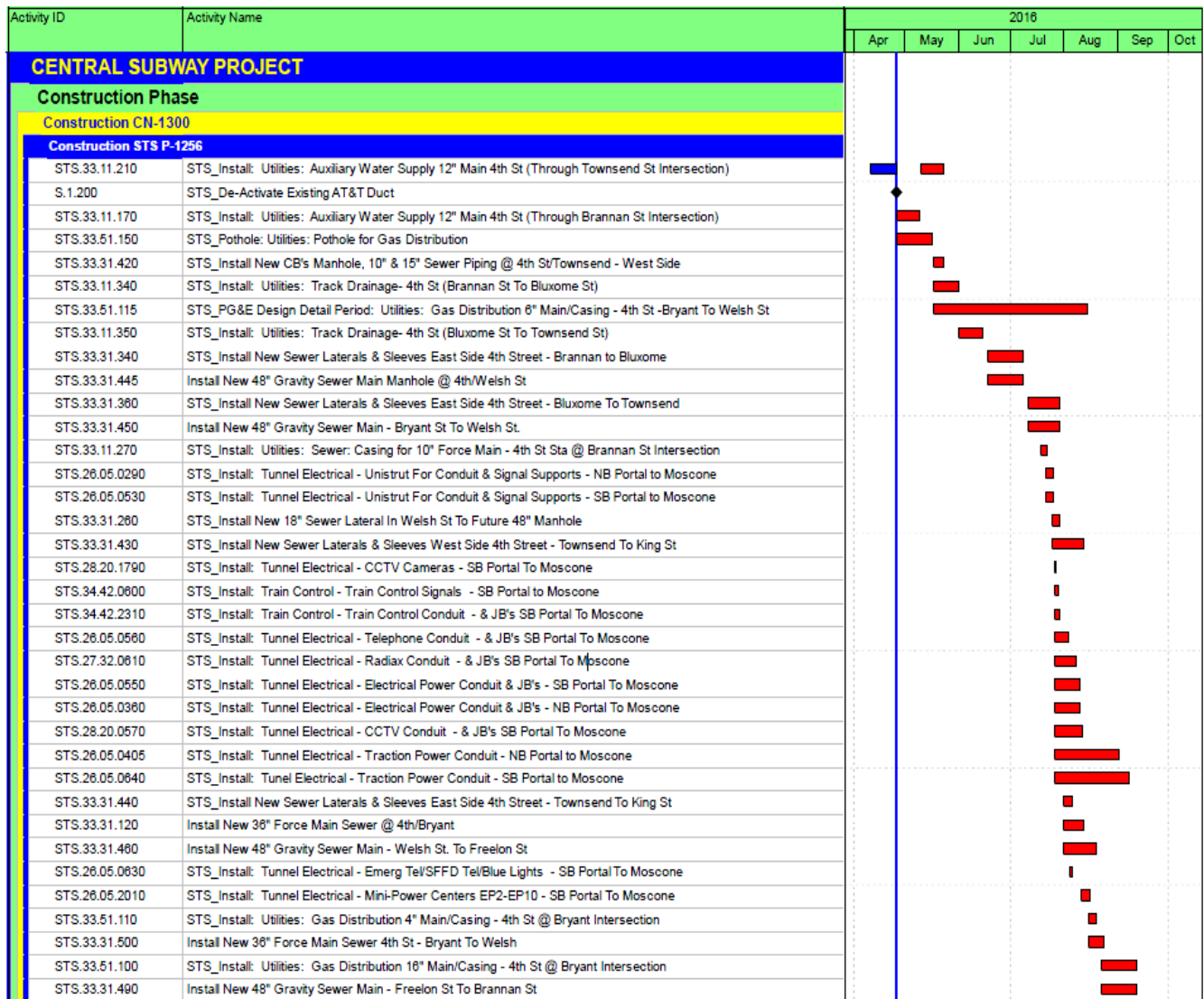
- Waterline installation
- AWSS installation
- Muni ductbank installation and vault installation
- 36" sewer force main installation
- 78" sewer rehabilitation
- 4th/King sewer structure modification
- OCS pole foundation installation
- Tunnel drainage system installation
- Tunnel invert slab construction
- Tunnel walkway construction
- AT&T cutover

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:	\$1,355,901
Current Contract Value:	\$141,344,901

Budget/Expenditures	
Current Budget	\$144,989,000
Expenditures to Date	\$38,051,566

Systems, Track and Surface Station Three Month Schedule



Schedule: Contract 1300 April 2016 Update

Program Components

Community Outreach

Outreach public information, events and presentations for March 2016 include:

- Preparation and dissemination of construction notices
- Project status update presentation to Yerba Buena Business Improvement District Board
- Introduction of new resident engineer to Stockton Street merchants
- Produced quarterly video covering construction activities since late December 2015

Outreach in Support of Mitigation and Monitoring

- Team members conducted weekly progress meetings to address stakeholder concerns
- Outreach and communication efforts continue in Chinatown, Union Square, and SOMA
- Weekly photo documentation of project work and editing
- Helped guide the approval process for project-wide live feed camera system procurement
- Weekly construction update emails sent to list of approximately 700 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
4/15/16	Parking Changes Ahead for Third Street	The Potrero View	Jacob Bourne

Quality Assurance - Continued

Quality Assurance

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

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

- UMS roof beam to pile WF installation – Continued Inspection/acceptance/documentation by Smith Emery CWI's of all welds associated with the ongoing Installation of steel
- UMS and YBM Water Proofing Subcontractor – substrate preparation and application inspection/acceptance of work performed by Waterproofing Experts by RDH continues for the remaining roof placements
- TPC QC Daily Inspection Reports posted to CM13 which includes TPC's Specialty Subcontractor's QC checklists and associated documentation and Smith Emery Inspection Reports; TPC's Subcontractor that provides laboratory and Inspection Services – including Special Inspections required for the City of San Francisco's Department of Building Inspection (DBI) for all permitted Work
- Preparatory, Initial and Additional Initial Phase Meetings continue as schedule and circumstances/issues arise
- Bi-Weekly Quality Task Force (QTF) Meetings to discuss Quality related issues
- Instrumentation/Monitoring and Construction Management Task Force (CMTF) Meetings (daily at 8:00 am) and the Sequential Excavation Method (SEM) Meetings (daily at 8:30 am)
- Bi-Weekly Quality Task Force Meetings – ongoing dialog regarding identification and mitigation of in-process potentially unsatisfactory work, generation of CNCR and other items related to TPC's QC efforts in implementing TPC's approved Quality Control Program (QCP)
- Weekly Work Package Progress Meetings for STS, YBM, UMS and CTS and RE/PE Progress Meetings for STS, YBM, UMS and CTS when conducted and as time constraints allow
- Shotcrete; TPC's desire to use pneumatically applied concrete (shotcrete) in lieu of cast-in-place concrete for both Stations and the CTS Station Cavern. Issues include qualification of nozzlemen and nozzlemen that operate robots as well as determination of the final location and finish shotcrete elements

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 and welding

Quality Assurance - Continued

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

QA Issues:

- As reported previously, assurance that all RFIs, submittals and USE-AS-IS and REPAIR dispositioned CNCRs related to a particular concrete placement, have been approved by the SFMTA RE. Practically, SFMTA REs have imposed a concrete placement hold point for all concrete placements to collectively ensure that the Contractor has performed all work to the requirements of the Contract Documents, i.e., all RFIs, CNCRs and submittals have been approved and acceptably executed

QA Concerns:

- SFMTA's provision of advance notification to TPC/TPC QC, of in-process work that appears to be deficient or of questionable nature
- On-going necessity of using both Reinforcing Steel Design Drawings and approved Reinforcing Steel Shop Drawings to inspect/accept rebar placement
- Welding inspection and associated documentation of CWI acceptance of all welded joints, including tack welding
- SFMTA CSP Field Notifications at UMS continues as a topic of discussion at the bi-weekly Quality Task Force Meetings
- Upcoming concrete placement of the tunnel invert and track plinth

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
- As report previously, Quality Assurance Surveillance QAS 072, Project Record Documentation (AS-Builts) was conducted, posted to CM13 and findings provided via letter to TPC for their action regarding discrepancies with the Contract Document requirements. The follow-up Surveillance was conducted and the associated report will be completed and posted to CM13
- Quality Assurance Audit QAA 026, Implementation of TPC's Quality Control Program (QCP) is being conducted

Risk Management

Risk Mitigation Management Meeting No. 81 was held on April 7, 2016. The Risk Assessment Committee reviewed and discussed Risks that include Construction Risks with ratings above 6; Remaining Requirement and, any New Risk Assessment and Mitigations identified to date.

Quality Assurance - Continued



Program Safety & Security

Program Safety & Security

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

Project Management/Construction Management (PMCM) Team

Safety bulletin boards have subjects covering the complacency and daily job briefings.

Safety Summary for the 1300 Stations Systems Track Construction Package

During the month of April, safety work on the 1300 contract progressed as follows:

STS had no recordable or first aid incidents. They continue to prepare to start work in the tunnel laying the invert. Drain pipes and rebar will be installed first. Then, concrete will be poured. All workers that will be in the tunnels have been “tunnel trained”.

At YBM, no injuries or incidents occurred. The contractor has started to pour the lower level of the station. Good ventilation exists.

UMS had no injuries in April. Layne continued with jet grouting at street level. A noise survey was conducted at this station with the intent of identifying occupational noise levels.

CTS had one recordable and one first aid injury. The recordable accident occurred when a worker put down a hand grinder. Then, he leaned against it and cut this leg. It required some staples. The contractor continued to ready the site for “turning under” and starting the excavation process.

Table 1300 Stations Construction Safety Record

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

Program Safety & Security - continued

Next Month Look Ahead

1300 Contract

1. AT CTS, Frontier-Kemper (FK) started the excavation. FK is working on noise issues for the area. They have installed some noise blankets to help dampen the noise. This will be watched closely.
2. At UMS, work on the station roof continues. More excavation is starting under the finished areas.
3. AT YBM, we will continue to watch the concrete placement on the platform level in the station.
4. At STS, work has started in the tunnels. First, drain lines will be installed followed by tying rebar for the invert. Once that is completed, concrete placement will take place.

Program Safety & Security - continued

Project Safety Record - Contract 1300

SAFETY GOALS

Through Month End - Apr 2016

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

JOB TO DATE	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	3	0	3	0.55
Job Transfer or Restricted Duty Cases	0	0	0	0.00
Lost Time Cases	0	0	0	0.00
Total Project Incidents	3	0	3	0.55
Man Hours Worked Through M/E Apr 2016	514,222	566,929	1,081,151	

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 Apr 2016	112,507	90,084	202,591	

* 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 assemble a rail-mounted saw used to cut concrete on the west side of the station box. The piles comprising the station box's walls are being cut at a specific height so material can be removed, eventually creating a relatively smooth wall surface to attach structural elements.

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-2016		Mar-2016		Apr-2016	
	Planned	Actual	Planned	Actual	Planned	Actual
Project Management						
Program Management	6.60	6.00	6.60	6.00	6.60	6.00
Quality Assurance	1.80	2.30	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	2.00	2.00	2.00	2.00	2.00	2.00
Project Controls	4.80	5.80	4.80	5.80	4.80	5.80
Subtotal	22.10	23.00	22.10	23.00	22.10	23.00
Construction Management						
CM - CN 1252	1.00	1.00	1.00	1.00	1.00	1.00
CM - CN 1300	30.00	31.00	30.00	31.00	30.00	31.00
Design Support - CN 1252	0.00	0.00	0.00	0.00	0.00	0.00
Design Support - CN 1300	12.40	12.40	12.40	12.40	12.40	12.40
Subtotal	43.40	44.40	43.40	44.40	43.40	44.40
Start Up						
Start Up / Safety & Security	3.00	2.10	3.00	2.10	3.00	2.10
Subtotal	3.00	2.10	3.00	2.10	3.00	2.10
Total	68.50	69.50	68.50	69.50	68.50	69.50

Third-Party Agreements

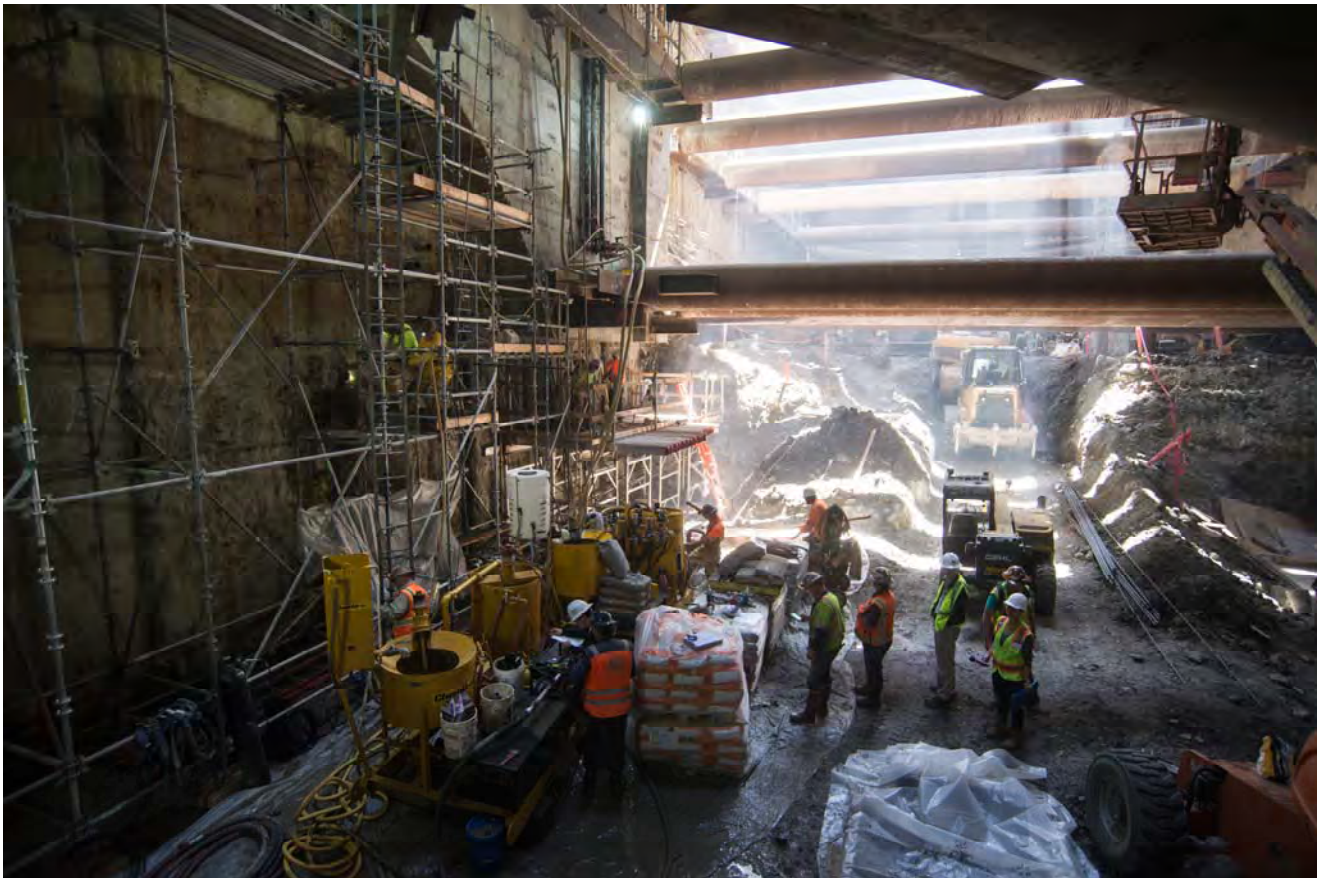
No activity in this reporting month.

LRV Procurement

SFMTA has initiated a new light rail vehicle procurement to acquire up to 260 vehicles over the next 15 years. The scope includes the design, manufacture, delivery and testing of up to 260 light rail vehicles together with associated services, spare parts, special tools, training and documentation. This includes an initial delivery of 24 cars, scheduled for delivery in 2018 to supplement the fleet when the SFMTA's Third Street Phase 2 - Central Subway Project extension opens.

Prototype testing for selected systems such as doors, propulsion and HVAC is underway. First article inspections of various subsystems have been completed. Production of the first carbody structure is underway and the frame of the first carshell is approaching completion.

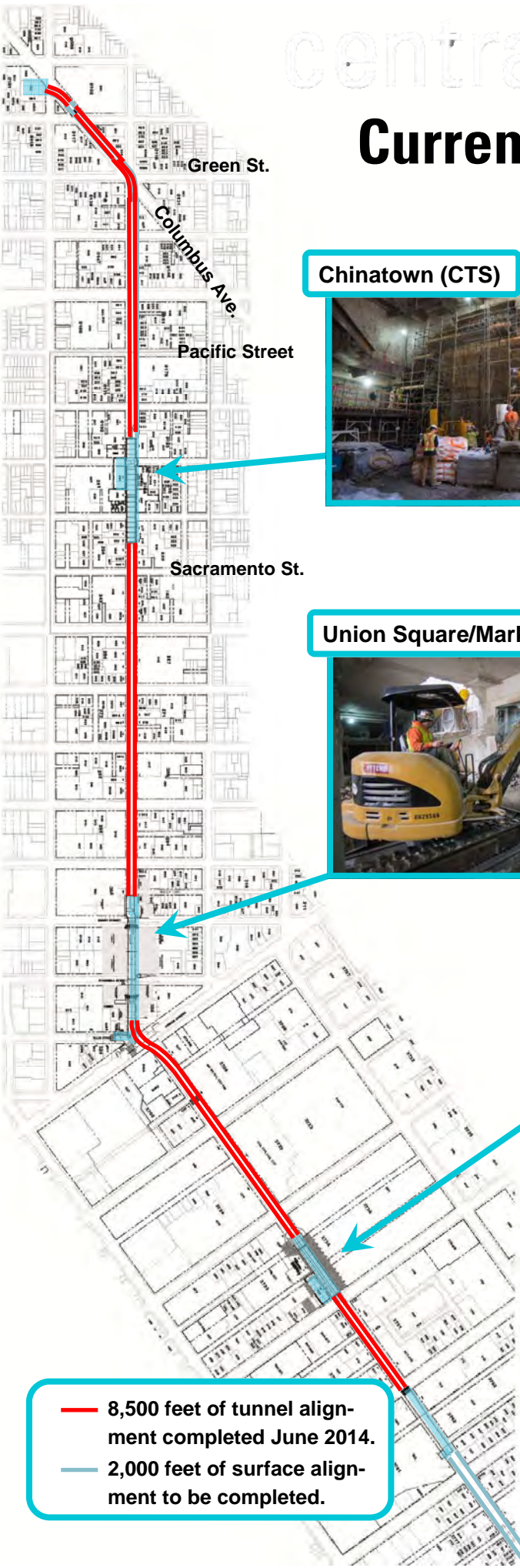
LRV Procurement contract working through integration challenges with parallel projects such as radio replacement project and fare box replacement project.



The bottom of the headhouse is busy with a variety of work activity, from rebar cage construction, temporary reinforcing steel installation, and excavation.

central T subway

Current Construction Activity



Chinatown (CTS)



Union Square/Market Street (UMS)



Yerba Buena/Moscone (YBM)



4th St. Surface Track, Systems (STS)



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



Veiled in scaffolding, the fare gate archway will eventually become the entrance to the station cavern, yet to be excavated.



A bulldozer dumps a load of excavated material into the steel bucket used to remove it from inside the headhouse. This bucket is lifted to the surface by a large crane, and material is accumulated for loading onto waiting trucks.



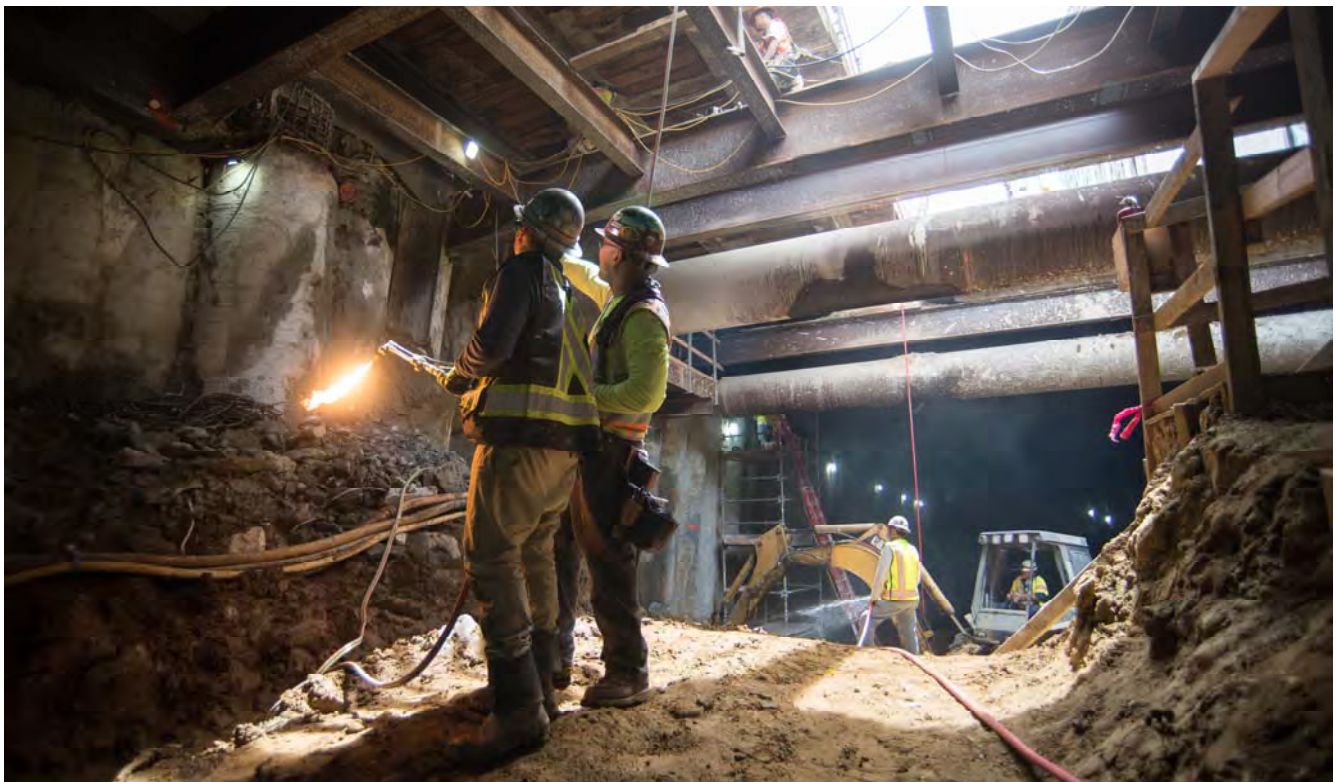
Workers construct a long rebar cage at the northwest corner of the headhouse site.



Workers set up a moveable gantry to move equipment around the north access shaft work site, while pedestrians and shoppers walk through the area nearby.



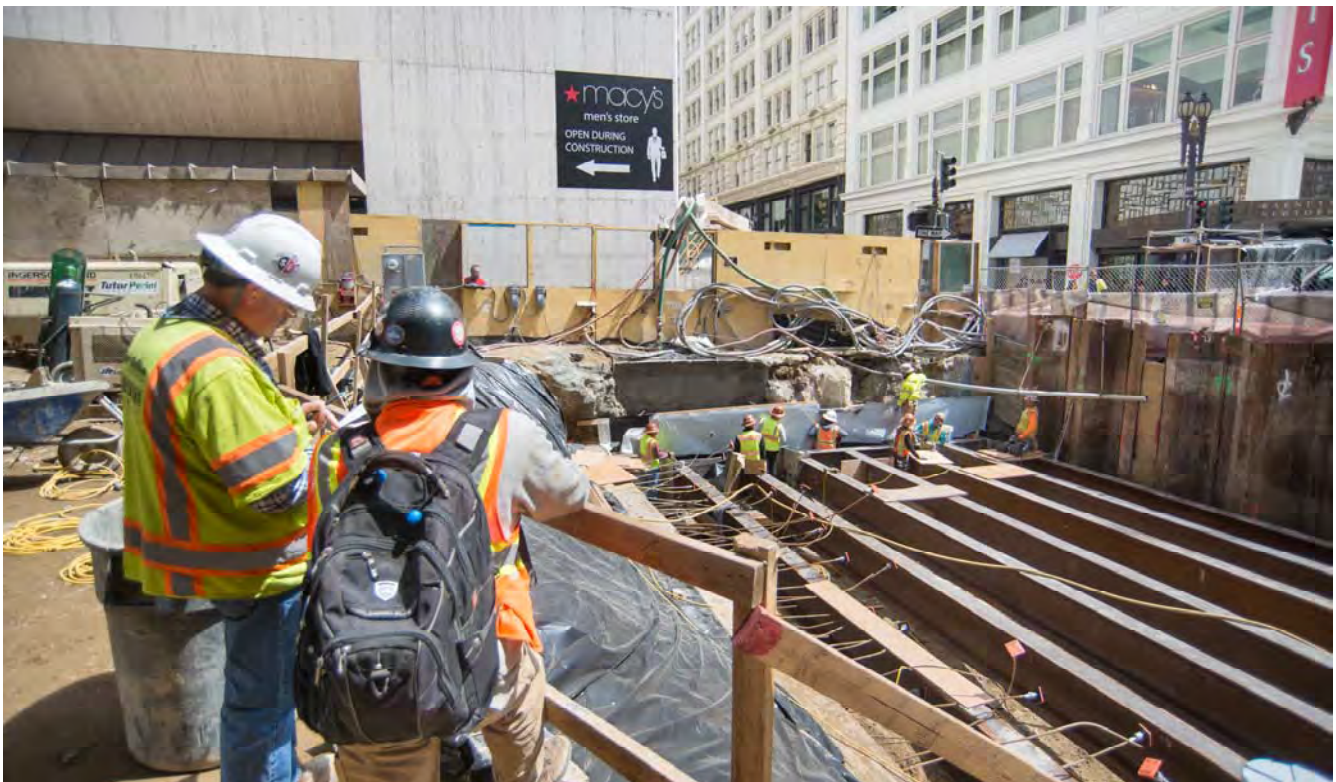
A small excavator fitted with a jackhammer breaks through the outer wall of the Union Square Garage, opening it up to the north station concourse.



Workers reinforce steel beams above while specific pieces of concrete are removed below using jackhammers. These two men discuss which sections of rebar will be kept, and which will need to be cut.



Workers are conducting drilling work inside the station box between Geary and O'Farrell.



On the north side of the Stockton and O'Farrell intersection, work to construct the next section of station roof deck is underway.



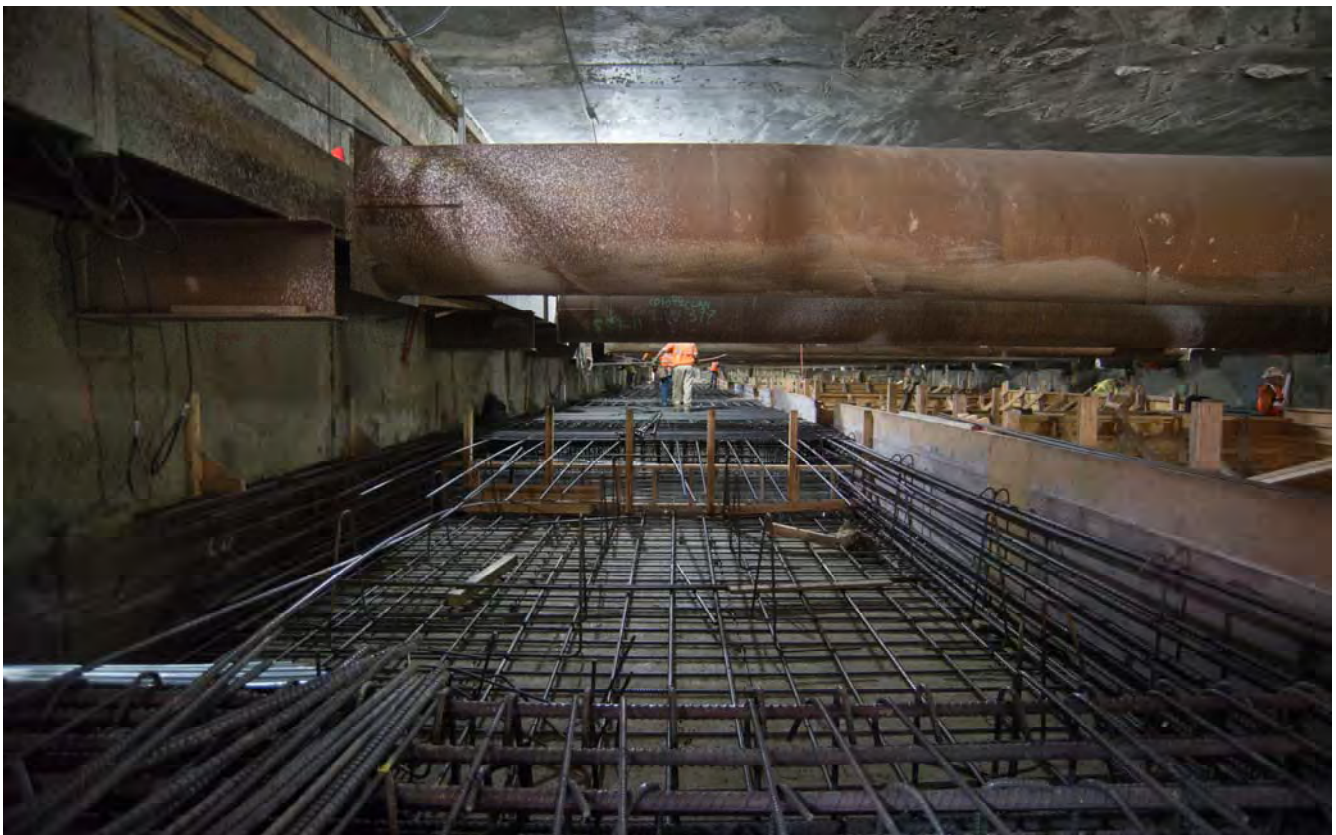
Long bundles of rebar are carried in one piece at a time during the assembly of rebar cages used in construction of the mezzanine floor slab.



Smoke colored with violet light streams from under a large steel I-beam where a welder is attaching temporary supports on the east side of the headhouse.



Before constructing concrete forms for the mezzanine level floor slab inside the station box, sections of tunnel roof must be cut out to make clearance for the forms.



Rebar cages are being assembled where a section of mezzanine floor slab is to be poured inside the station box.



An excavator operator helps remove trench shields after a section of new sewer line has been installed north of Bluxome on the east side of 4th.

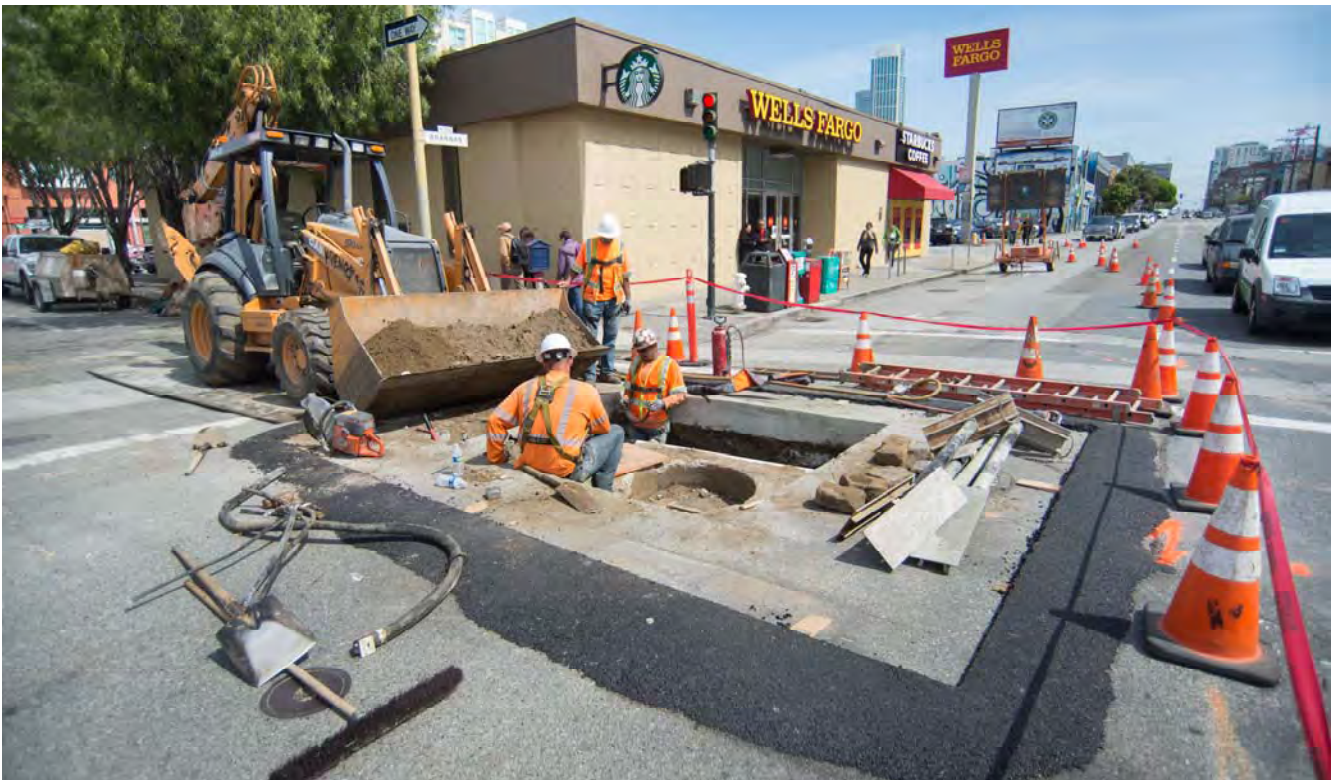


A worker removes debris from a hole in the sidewalk being dug at 4th and Townsend to install the foundation of an OCS pole.

STS—Continued



A crew discusses specifics utility excavation operations at 4th and Freelon. Lateral utilities are shown exposed in a recently-excavated trench.



Workers inspect existing utilities prior to upgrade work at 4th and Brannan.

Appendix A

DETAIL COST REPORTS

1. PROJECT COST

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

Total net incurred costs for the project are \$929.94 million, a \$11.07 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$892.44 million) plus the utilities joint trench Form B Reimbursement payment (\$10.52 million), invoices currently being processed (\$24.74 million) and estimates of outstanding pay requests (\$2.24 million). This incurred amount equals 58.92% of the total project budget of \$1.578 billion.

The current funding level to date is \$1,179.79 million. This represents 75% of the total project budget.

CONTRACT	PP NO	PP PERIOD TO	PROG PYMT AMOUNT
CS155.1	52	3/31/2014	\$ 26,671.53
CS155.1	53	4/30/2014	\$ 19,500.26
CS155.1	54	5/31/2014	\$ 29,166.76
CS155.1	55	6/30/2014	\$ 22,666.39
CS155.1	56	7/31/2014	\$ 36,602.38
CS155.1	57	8/31/2014	\$ 40,273.52
CS155.1	58	9/30/2014	\$ 37,269.95
CS155.1	59	10/31/2014	\$ 30,018.32
CS155.1	60	11/30/2014	\$ 20,183.22
CS155.1	61	12/31/2014	\$ 18,828.97
CS155.1	62	1/31/2015	\$ 19,921.99
CS155.1	63	2/28/2015	\$ 19,921.99
CS155.1	64	3/31/2015	\$ 15,554.73
CS155.1	65	4/30/2015	\$ 15,550.60
CS155.1*	66	5/31/2015	\$ 2,121.00
CS155.1*	67	6/30/2015	\$ 1,180.00
CS155.1*	68	7/31/2015	\$ 7,137.00
CS155.1*	69	8/31/2015	\$ 1,805.00
CS155.1*	70	9/30/2015	\$ 1,583.00
CS155.1*	71	10/31/2015	\$ 3,186.00
CS155.1*	72	11/30/2015	\$ 203.00
CS155.1*	73	12/31/2015	\$ 7,695.00
CS155.1*	74	1/31/2016	\$ 12,080.00
CS155.1*	75	2/29/2016	\$ 874.00
CS155.1*	76	3/31/2016	\$ 326.00
CS155.1*	77	4/30/2016	\$ 246.00
CS155.2*	68	10/31/2015	\$ 307,824.44
CS155.2*	69	11/30/2015	\$ 205,020.00

CONTRACT	PP NO	PP PERIOD TO	PROG PYMT AMOUNT
CS155.2*	70	12/31/2015	\$ 240,756.00
CS155.2*	71	1/31/2016	\$ 172,443.00
CS155.2*	72	2/29/2016	\$ 192,843.00
CS155.2*	73	3/31/2016	\$ 219,279.00
CS155.2*	74	4/30/2016	\$ 359,299.00
CS155.3	65	8/31/2015	\$ 38,423.13
CS155.3*	66	9/30/2015	\$ 81,258.00
CS155.3*	67	10/31/2015	\$ 68,106.00
CS155.3*	68	11/30/2015	\$ 190,717.00
CS155.3*	69	12/31/2015	\$ 87,013.00
CS155.3*	70	1/31/2016	\$ 79,274.32
CS155.3*	71	2/29/2016	\$ 66,208.92
CS155.3*	72	3/31/2016	\$ 115,278.31
CS155.3*	73	4/30/2016	\$ 75,115.87
Contract 1252	39	4/30/2015	\$ 1,174,889.06
Contract 1252	40	5/31/2015	\$ 236,920.00
Contract 1300	27	3/31/2016	\$ 9,513,400.00
Contract 1300*	28	4/30/2016	\$ 8,606,974.00
CS149*	83	12/31/2015	\$ 500,000.00
CS149*	84	1/31/2016	\$ 500,000.00
CS149*	85	2/29/2016	\$ 500,000.00
CS149*	86	3/31/2016	\$ 500,000.00
CS149*	87	4/30/2016	\$ 500,000.00
CS156.1*	60	1/31/2016	\$ 69,532.98
CS156.1*	61	2/29/2016	\$ 68,879.96
CS156.1*	62	3/31/2016	\$ 80,887.66
CS156.1*	63	4/30/2016	\$ 75,702.19
other accruals*		4/30/2016	\$ 1,766,960.70

* Estimated Amount

\$ 26,981,766.24

2. CONTINGENCY ALLOCATIONS AND USAGE

The current Total Project Contingency is **\$80.15 million**, which is a \$20.15 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 Station have not processed any contract modifications. Refer to Report 7.5 for approved contract modifications and potential changes.

3. BUDGET TRANSFERS

No budget transfers in this reporting period.

4. FORM B

The Utilities Joint Trench Form B Details is listed in the Table A2 below. Total utilities joint trench Form B Reimbursement payment to three construction contracts is \$10.52 million.

TABLE A2: UTILITIES JOINT TRENCH FORM B DETAILS	[A] Mar 2015 BUDGET	[B] EXPENDED TO DATE	Associated Cost Account
1.3.491.07.040.02 - FORM B - CN1250 UTILITY REIMBURSEMENT	(2,275,419)	2,463,325	1.3.081.07.040.02 - 1UTL:SITWORK: UTILITIES & RELOC
1.3.491.08.040.02 - FORM B - CN1251 UTILITY REIMBURSEMENT	(7,618,412)	3,608,217	1.3.082.08.040.02 - 2UTL:SITWORK:UTILITIES&RELOCATE
1.3.491.02.040.02 - FORM B - CN1252 UTILITY REIMBURSEMENT	(254,050)	3,958,658	1.3.083.02.040.02 - TUNN:Sitework:Utilities & Relocate
1.3.491.04.040.02 - FORM B - CTS: CN1300 UTILITY REIMBURSEMENT	(451,703)		
1.3.491.09.040.02 - FORM B - STS: CN1300 UTILITY REIMBURSEMENT	(1,000,000)		
1.3.491.03.040.02 - FORM B - UMS: CN1300 UTILITY REIMBURSEMENT	(528,370)	428,712	1.3.084.03.040.02 - UMS.1253: SITE UTILITIES, UTILITY RELOCA
1.3.491.05.040.02 - FORM B - YBM: CN1300 UTILITY REIMBURSEMENT	(100,000)	56,451	1.3.086.05.040.02 - YBM.1255: SITE UTILITIES, UTILITY RELOCA
TOTAL	(12,227,954)	10,515,363	

5. EARNED VALUE (EV) ANALYSIS

In April 2016 Report, the Preliminary Earned Value Analysis reports is based on the SFMTA April Schedule Update. The Planned Value, Earned Value, Actual Cost, Percent Complete and resulting indexes as follows:

Preliminary April Earned Value

Overall Budgeted Cost:	\$1,578,300,000
Planned Value:	\$1,196,745,370
Earned Value:	\$935,933,191
Actual Cost:	\$929,939,896
Schedule Performance Index (SPI):	0.78
Cost Performance Index (CPI):	1.01
Percent Complete:	59%

SFMTA, EV Chart											
April 30, 2016 Update											
ID:CSP-CMPS-75..., Proj Name:1-CSP - CURRENT MAS PROJECT SCHEDULE-APRIL 2016...											
Layout:AA.01 MPR.EV.CHART											
04/26/16, 05/16/16,13:04											
Activity ID	Activity Name	Start	Finish	Performance % Complete	Budgeted Total Cost	Planned Value Cost (PV)	Earned Value Cost (EV)	Actual Total Cost (AC)	CPI	SPI	Approved
CENTRAL SUBWAY PROJECT											
	Preliminary Engineering Phase	06/03/03A	06/09/21	59.41%	1,578,300,000.56	1,196,745,370.43	935,933,191.03	929,939,896.01	1.01	0.78	
	Final Design	06/03/03A	01/07/10A	100%	46,542,061.02	46,542,061.02	46,542,061.02	46,542,061.02	1.00	1.00	
	Light Rail Vehicles	01/08/10A	06/17/13A	100%	115,075,987.06	115,075,987.06	115,075,987.06	114,307,464.66	1.01	1.00	
	Real Estate	04/15/13A	10/10/18	8.25%	26,385,653.00	2,177,131.58	2,177,131.58	2,147,706.00	1.01	1.00	
	Construction Phase	08/01/08A	04/26/16	80.31%	37,405,895.00	32,834,607.77	30,041,759.16	30,540,100.64	0.98	0.91	
	Construction Support and Costs	01/03/10A	05/28/19	56%	1,328,140,481.48	1,000,115,583.00	742,096,252.21	736,402,563.69	1.01	0.74	
	Construction Utility Contract #1- MOS & Portal CN-12	01/03/10A	05/28/19	43.74%	199,862,849.06	102,890,753.42	87,423,399.38	97,270,352.69	0.90	0.85	
	Construction Utility Contract #2- UMS CN-1251	01/04/10A	05/23/11A	100%	11,968,150.00	11,968,150.00	11,968,150.00	11,968,150.00	1.00	1.00	
	Construction Tunnels CN-1252	01/12/11A	10/15/12A	100%	20,794,582.00	20,794,582.00	20,794,582.00	20,794,582.00	1.00	1.00	
	Construction CN-1300	06/08/11A	04/27/16	99.02%	235,913,500.00	235,914,149.54	233,608,894.28	234,881,397.00	0.99	0.99	
	Unallocated Contingency	06/03/13A	03/18/19	45.33%	859,601,400.42	628,547,948.05	388,301,226.55	371,488,082.00	1.05	0.62	
	Project Management	12/18/18	06/05/19	0%	24,749,923.00	0.00	0.00	0.00	0.00	0.00	
		06/05/19	06/09/21	0%	0.00	0.00	0.00	0.00	0.00	0.00	

The preliminary Contract 1300 cost shows Earned Value Cost \$17M higher than Actual Cost.

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.

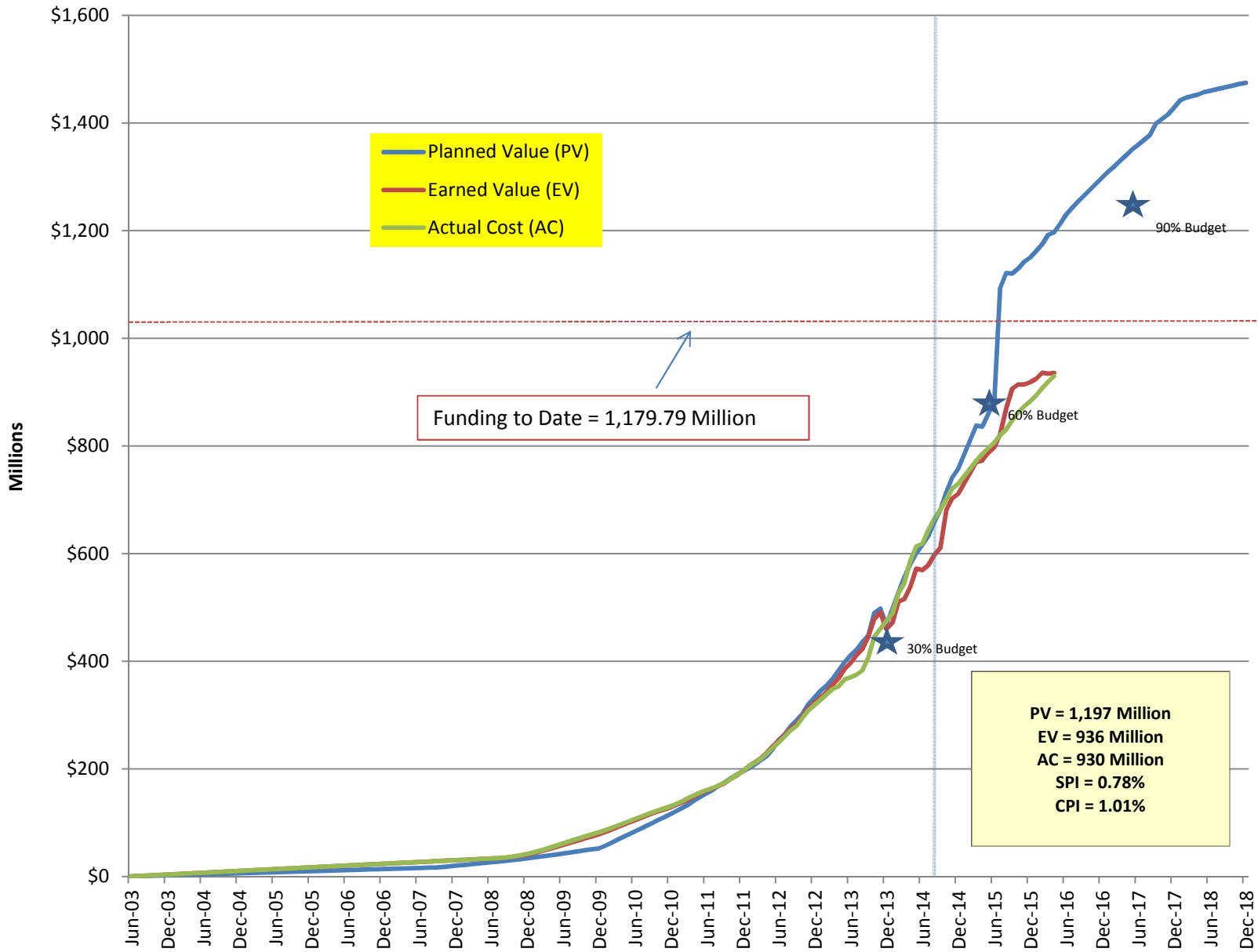
Funding Available Table		
	Funding	
	Committed Funding Sources	Total Awarded Funds to Date
Federal		
Sect. 5309-NS	\$942,200	\$619,196
CMAQ	\$41,025	\$41,025
Federal Subtotal	\$983,225	\$660,221
State		
TCRP	\$14,000	\$14,000
State RIP	\$88,000	\$12,498
Prop. 1B (I-Bond) PTIMSE	\$307,792	\$307,792
Prop. 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	\$1,179,794

7. LIST OF COST REPORTS

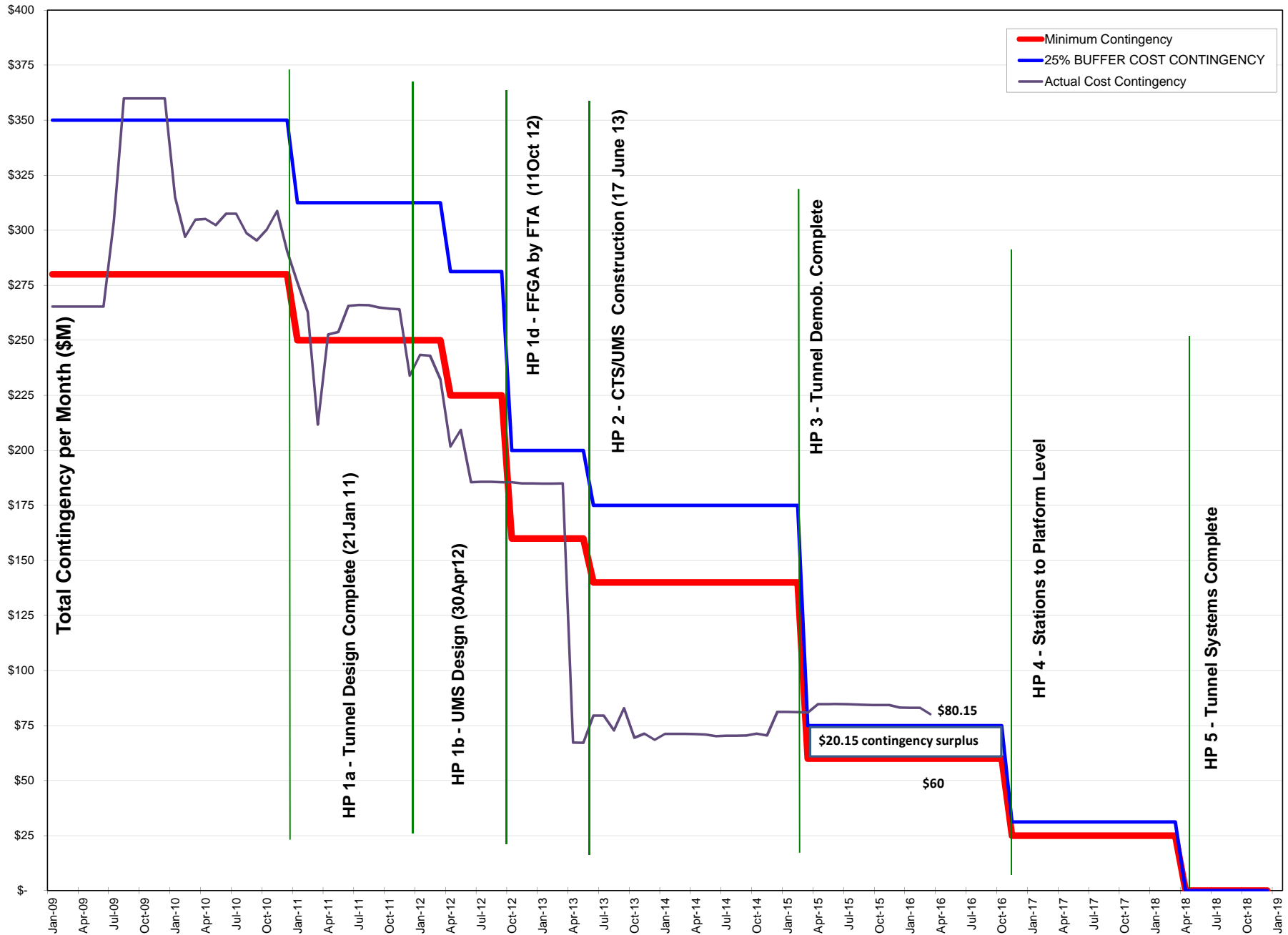
- 7.1 Program Project Budget
- 7.2 Earned Value Cash Flow
- 7.3 Contingency Drawdown Curve
- 7.4 Summary Contingency Management Trend Report
- 7.5 Detail Contingency Usage Report
- 7.6 Budget Revisions: Report sorted by Construction Packages & Soft Costs
- 7.7 Project Budget & Expenditure Report: Sorted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

A. Central Subway Project							
Project	Name	Amount	PM	Funding Source	Reporting	Cost Report	Notes
1	CPT544 Central Subway Project	\$1,578,300,000	J. Funghi	62% Fed, 30% State, 8% Local	yes		1
Total:		\$1,578,300,000					
B. Related SFMTA Capital Improvement Projects							
Project	Name	Amount	PM	Funding Source	Reporting		
2	CPT690 TBM Retrieval Shaft Relocation	\$9,700,000	Funghi/Magary	MTA Operating Funds	no		2
3	CPT718 Chinatown Metro Plaza	\$6,980,000	J. Funghi	Transbay Redevelopment	no		3
4	CPT665 Central Subway Project - Goodwill	\$2,367,750	K. Magary	I-Bond Interest	no		4
5	CPT705 MOH - Broadway/Sansome	\$8,000,000	K. Magary	MTA Operating Funds	no		5
Total:		\$27,047,750					
C. Central Subway Project - Project Offset Credits							
	From	Amount	Index	Notes	Reporting		
1	2009-2016 Utility Co. - Form B Reimbursement	\$12,227,954	--	Construction contracts	yes		6
2	2017-2019 PG&E - Power Feed Reimbursement	\$7,624,540	--	Not yet bill PG&E	yes		7
3	6/26/2013 BART Elevator	\$90,000	68CPT544135B	Not yet rec'd BART Funds	yes		8
4	11/6/2013 Tutor Perini - CAD Files	\$2,500	68CPT5441236	Deposit to Design Index	yes		9
5	1/27/2014 SFPUC - Sewer Main	\$2,925,296	68W251	Certified in Contract 1300	yes		10
6	8/27/2014 SFMTA Traffic Effectiveness Project funded	\$694,651	68W324/686D42	Contract 1252 CMod #40	yes		11
7	9/27/2014 SFPUC - 24" Water Main	\$328,857	68CPT544135A	Contract 1252 CMod #41	yes		12
8	2/15/2015 Chinatown Plaza Construction Estimate	\$75,000	68CPT7181341	Contract 1300 CMod #6	yes		13
9	3/27/2015 SFPUC - 24" Water Main Additional Work	\$112,102	68W409	Contract 1252 CMod #48	yes		14
10	3/15/2016 Support for North Beach Restoration, OCS and Streetlighting	\$155,468	68T7373342D2/D3	Contract 1252 CMod #51	yes		14a
Total:		\$24,236,368					

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]	REMAINING CONTINGENCY AFTER POTENTIAL CHANGES DEDUCTED [i - d]	ORIGINAL CONTRACT VALUE + REVISED AUTHORIZED CONTINGENCY [a + h]	BUDGET - ESTIMATE AT COMPLETE [j - e]		
	a	b	c [a + b]	d	e [c + d]	f	g	h	i	j	k			
SCC 10-50 CONSTRUCTION CONTRACT PACKAGES														
1250	UTILITY RELOCATION PACKAGE #1 <i>Contract 1250 Department of Technology</i>	9,273,939 166,756	2,694,211	11,968,150 166,756		11,968,150 166,756	1,953,377	740,834	2,694,211		11,968,150 166,756		15	
1251	UTILITY RELOCATION PACKAGE #2 <i>Contract 1251 Department of Technology</i>	16,832,550 75,615	3,962,032	20,794,582 75,615		20,794,582 75,615	5,367,297	(1,405,265)	3,962,032		20,794,582 75,615		16	
1252	GUIDEWAY TUNNEL	233,584,015	1,643,774	235,227,789	170,654	235,398,443	23,658,464	(21,328,979)	2,329,485	685,711	515,057	235,913,500	515,057	17
1300	STATIONS	839,676,400	3,008,000	842,684,400	17,719,610	860,404,010	20,000,000		19,925,000	16,917,000	(802,610)	859,601,400	(802,610)	18
	1253 UNION SQUARE/MARKET ST STATION [UMS]	294,030,590	191,294	294,221,884	11,467,535	305,689,419	5,000,000		5,000,000	4,808,706	(6,658,829)	299,030,590	(6,658,829)	19
	1254 CHINA TOWN STATION [CTS]	247,567,810	2,677,458	250,245,268	3,253,918	253,499,186	5,000,000	(75,000)	4,925,000	2,247,542	(1,006,376)	252,492,810	(1,006,376)	19
	1255 YERBA BUENA/ MOSCONE STATION [YBM]	158,089,000	(1,216,653)	156,872,347	3,368,802	160,241,149	5,000,000		5,000,000	6,216,653	2,847,851	163,089,000	2,847,851	
	1256 SURFACE TRACKWORK & SYSTEMS [STS]	139,989,000	1,355,901	141,344,901	(370,645)	140,974,256	5,000,000		5,000,000	3,644,099	4,014,744	144,989,000	4,014,744	
OTHER		31,233,501		31,233,501	0	31,233,501	1,160,000		1,160,000	1,160,000	1,160,000	32,393,501	1,160,000	
SCC 10 - 50 Construction Sub-total		1,130,842,776	11,308,017	1,142,150,793	17,890,264	1,160,041,057	44,818,464	(21,403,979)	23,414,485	18,762,711	872,447	1,160,913,503	872,447	
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	5,265,478	37,511,799	5,265,478	20
70	VEHICLES	24,108,712	(10,799,712)	13,309,000		13,309,000	2,276,941	10,799,712	13,076,653	13,076,653	13,076,653	26,385,653	13,076,653	21
80	PROFESSIONAL SERVICES	310,518,041		310,518,041		310,518,041	18,221,079		18,221,079	18,221,079	18,221,079	328,739,120	18,221,079	
SCC 60 - 80 Construction Sub-total		371,138,552	(15,065,190)	356,073,362		356,073,362	21,498,020	15,065,190	32,297,732	36,563,210	36,563,210	392,636,572	36,563,210	
SCC 90	UNALLOCATED CONTINGENCY						3,845,945	21,134,447	24,980,392	24,749,924	24,749,924	24,749,924	24,749,924	22
TOTAL		1,501,981,328	(3,757,173)	1,498,224,155	17,890,264	1,516,114,419	70,162,429	14,795,658	80,692,609	80,075,844	62,185,580	1,578,299,999	62,185,580	
												Total Project Budget	1,578,300,000	23
												Estimate At Completion	1,516,114,419	24
												Variance	62,185,580	25

Note #17 - Adjusted Contract 1252 Guideway Tunnel contingency "column g" to reflect construction contract modifications #20, #40, #41, #48 and #51 were funded by other funding sources.

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$842,684,400
Substantial Completion	2/10/2018	2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
Potential Changes	11,467,535	3,253,918	3,368,802	(370,645)	26
Forecasted - Trends	2,836,943	1,723,203	555,112	66,339	
Negotiation					
Change of date range to receive art	(10,001)				
UMS -Remove AWSS Hydrant at OFarrel	8,421				
UMS Powell St. Elevator Site Hazmat	16,028				
STS Traffic Signal and SL Changes				298,307	
STS Comm and Elec Cabinets Relocati				67,221	
YBM Delete Instrument & Monitoring			(50,195)		
STS - OCS Pole Changes				12,706	
CTS-FACO#39- Soil Testing cmplly OAB		5,478			
UMS-FACO #32 8" Waterline Conf NDSC	73,811				
UMS FACO #31 NDSC Incomplete PGE DB	36,980				
UMS-FACO #25 OCS Pole@ Market/Ellis	3,349				
UMS-FACO #19 Street Light at Stock.	2,361				
STS-FACO #48 Work Related St Lght				2,051	
UMS FACO #34 Becho Obstruct J Piles	7,435				
UMS FACO #45 Blocked Stubs PG&E	7,500				
UMS FACO #38 Pile H3 & H4 Piles	15,438				
CTS-PCC40 Plaza Surface Slab Pntrtn		5,525			
YBM PCC 41 Install #7 Box Clementin			29,001		
UMS Sewer Line Conflict	744,465				
UMS FACO #52 NDSC Transite Pipe	4,497				
STS - PCC#28 Portal Dowels				(1,753)	
CTS-Delete Tree Planting		(3,967)			
USG COR 222 Shaft Wall Connections	170,189				
USG COR 227 Plaza Lvl. Sequence	200,001				
USG COR 261 8" Wall at Grid 11B	15,001				
USG COR 263 12" Shear Walls	50,001				
USG COR 262 Maintenance Hatch Walls	15,001				
USG COR 264 Str. Steel Shop Dwgs.	5,001				
UMS COR 250 Macy's DSC	75,001				
USG COR 280 Strut Wall Grid 16 - 17	50,001				
USG COR 284 New Beam at Grid Line C	50,001				
USG COR 285 Elev.Edge of Slab Dtl.	50,001				
USG COR 286 Shear Wall GL 13/B-C	25,001				
USG COR 274 Shear Wall at Grid 10	68,945				

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount
Substantial Completion

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

\$842,684,400
2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
USG COR 276 Escalator #1	10,001				
STS - Deletion of ARS (Revision 1)				(4,689,000)	
YBM COR 63 Buried objects in P-86			24,648		
STS COR 100 DSC Zayo PVC Conf w SW				80,082	
STS COR 210 WD pit size increase				21,988	
CTS COR 085 Addl FACO 10 Costs		13,267			
CTS PCC 001 Delete DB on Stockton		(84,018)			
STS COR #92 PG&E Vault Conf 12 AWSS				78,074	
STS COR #118 78" Sewer Excess Debris				54,455	
UMS - PCC #29 (Concrete Wale Suppt)	9,239				
CTS COR 041 FACO #4 JT Unid. Cond		28,026			
CTS COR 040 FACO 002 Connect (E) DB		16,936			
YBM COR 49 Buried timber piles			88,230		
STS 78 Sewer Existing Concrete Crow				1,666	
CTS-COR#201 Swr Line & Station Roof		46,046			
YBM COR 115 C1250 unencased JT			9,843		
STS-COR #84 Sewer Cleaning and Dewa				3,598	
STS COR #236 E WD Config at Freelon				57,283	
STS COR 272 Pier AWSS Conflict				24,287	
STS COR 258 WD/PVC Conflict				87,511	
STS COR 211 SW conf AWSS 4th/Freelo				4,561	
STS COR #229 Multi E Util Conf w N				8,284	
UMS COR 232 S.Walk Hatches RFI 240	744				
UMS COR 235 DSC Transite Pipe	1,855				
STS COR #88 Modify CBs and Culverts				4,395	
STS COR 101 Cleaning for non-78" SW				58,906	
STS COR #187 DB Conf w N 12 Water				37,012	
CTS COR 231 Sidewalk Hatches		9,917			
YBM COR 240 Headhouse Contam. Mtl.			126,229		
STS COR #241 2-In WD Line w Offset				5,386	
UMS COR 277 8" Steel line Asbestos	3,769				
STS COR #296 Mult E Util Confl AWSS				130,001	
UMS COR 301 Concr. Overpour and PVC	14,792				
UMS - DCW and Hose Bibbs	29,159				
YBM PCC 062 Delete SW MH FOL 10+35			(21,453)		
STS PCC 063 Del ATT/TSIC/PGE on 4th				(36,495)	
STS COR 073 AWSS Incorrectly Shown				35,134	

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount
Substantial Completion

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

\$842,684,400
2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 067 FACO #41 GW Lead Filter				22,695	
STS COR 037 FACO 037 30" FM Removal				63,972	
STS COR 090 Subsurface Obstrc				20,452	
YBM COR 310 12" WL Conf w/ 36" FM			292,036		
CTS COR 353 AWSS confl w HDPE in SW		3,203			
YBM COR 86 Side sewer conflict AT&T			75,001		
STS COR 091 PG&E Vault Conf 16" Wtr				20,001	
STS COR 093 12" Water Conf 12" Tee				5,001	
STS COR 094 Unknown DB Conf 12" Wtr				20,001	
USG COR 238 Grid 17 & Vent Conn.	20,001				
USG COR 237 Elevator Sump Pits	20,001				
STS COR 074 AWSS Offset/Sewer Demo				108,384	
USG COR 315 Beam Conflict at C Line	50,001				
USG COR 281 8in Slab Conn.at B Line	25,001				
USG COR 345 8 inch Slab Support	15,001				
USG COR 343 Edge of Slab Detail	5,001				
USG COR 360 Column on Grid Line B	5,001				
USG COR 363 Grid Line B Footing	10,001				
USG COR 358 Elev. Machine Rooms	5,001				
USG COR 374 Add Built Up Columns	25,001				
STS COR 198 NDSC Out of Spec Cover				8,123	
YBM COR 362 Temp Pavement Section			139,802		
STS COR 367 DSC Conf w/ CP and FM				36,256	
UMS Roof Deck - Schedule Recovery	78,765				
STS PCC 066 Add CS ATCS Emer Stop B				200,208	
STS COR 387 Oil Line Confl SW MH				6,124	
USG COR 386 Built up Column	75,001				
USG COR 388 Grid Line C Beam Slab	10,001				
UMS COR 391 AT&T Duct Bank Conflict	25,001				
USG COR 365 Elevator Hoist Beam	50,001				
UMS COR 389 4" Steel line asbestos	20,001				
YBM COR 390 RFI 1654 Chip Headwall			45,118		
USG COR 394 Ramp Conflict with HVAC	75,001				
USG COR 395 Rebar Detail over HVAC	5,001				
USG COR 398 Reinforcing at Columns	20,001				
USG - PCC #030 (US Garage Underpin)	(576,004)				
USG COR 397 Duct Trench at Level 4	5,001				

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$842,684,400
Substantial Completion	2/10/2018	2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
USG COR 384 Slab on Grade Depressio	100,001				
USG COR 414 SOG Underneath the Ramp	100,001				
USG COR 435 Work Stoppage	50,001				
USG Hydrant Relocation on Geary St.	65,163				
USG COR 415 Glass Roof Steel Elev.	10,001				
USG COR 438 Shear Wall at GL 10B	2,001				
USG COR 439 Top of Built-Up Columns	20,001				
USG COR 444 Mech. Opening in Wall	10,001				
UMS PG&E Additional Conduits	36,657				
STS PCC 077 Tunnel Sump Pump Upgrad				11,147	
UMS Preload Rqmt for Concourse	1,350,001				
USG Door Openings in Shear Walls	35,001				
YBM COR 457 Modify Beams in Conc.			15,001		
UMS COR 466 Asbestos Conduit	7,501				
UMS COR 417 Redesigned Manhole	20,551				
YBM COR 485 Issues with N S Headwal			30,001		
YBM COR 54 Conc obst 20" cut & cap			56,654		
YBM COR 72 Concrete, jet grout 1252			84,509		
YBM COR 230 Change load Bilco hatch			15,119		
YBM COR 249 Utility conflicts Folso			1,714		
UMS FACO #29 BART Hazmat Abatement	22,884				
STS COR 089 Extra Sewer Work				29,468	
YBM COR 45 Abandoned sewer not slurr			44,645		
YBM COR 458 TPC site support Zayo			4,460		
USG PCC 73 Acceleration of Work	102,203				
YBM COR 50 Contam soil along H Line			257,594		
YBM COR 243 Culvert Conflict NE Cor			11,334		
STS COR 480 Conc confl w (N) FM				886	
YBM COR 248 Transite pipe Folsom			1,501		
YBM COR 46 Add analy tests by AEW			5,001		
USG COR 532 Wall Connection	20,001				
USG COR 534 Existing Column Tie-In	5,001				
USG COR 344 Unknown Grade Beams	10,001				
USG COR 541 Plaza Level Lighting	5,001				
USG COR 544 Vent Shaft	10,001				
USG COR 546 Tiebacks at Level X	0				
USG COR 551 Additional Waterstops	15,001				

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$842,684,400
Substantial Completion	2/10/2018	2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
USG COR 552 Plumbing	0				
USG COR 553 Details at Glass Roof	10,001				
UMS COR 493 Steel Shape Inside Pile	25,001				
UMS COR 516 Utilities and Slab at G	10,001				
USG COR 501 Tieback X-16	20,001				
UMS COR 510 6" VCP Side Sewer	19,696				
USG COR 514 Added Structural Dtls.	10,001				
STS COR 530 Tunnel Track Machine				20,064	
YBM PCC 90 Replace Bollards on 4th			9,677		
UMS Grade 50 Steel in Lieu Grade 70	572,884				
STS Tunnel Lowering				109,224	
UMS COR 565 GEN Emer Vent Design	500,001				
UMS COR 573 Waterproofing and Drain	217,334				
UMS COR 578 Elev./Escalator Monitor	25,001				
UMS COR 579 Elevators 1-4 SFFD	25,001				
UMS COR 591 Escalators and Stairs	100,001				
UMS COR 600 Hydrocarbon Odor	50,001				
YBM Delete Post-Grout of TB-2			(9,539)		
UMS - PCC #31 (USG HVAC Trench Mod)	186,511				
CTS PCC#25 Stairs 5, 6, 7 Mods		21,672			
YBM COR 116 Archaeological Discovery			124,268		
YBM PCC 82 Delete Scope Due to Hote			(38,294)		
STS PCC #51 Inventor Tmp Crossover				23,420	
STS Track Switch Machine Change				389,965	
UMS COR 539 Elev.3/4 Machine Pocket	10,001				
UMS COR 611 N. Concourse Slab Elev.	75,001				
Proposed Contract Change (PCC)					
UMS - Geoprobe Credit	(30,320)				
UMS - Relocation of TS Cabinet	23,275				
UMS - Escalator Barricade	(122,511)				
CTS - CMU Wall Bracing		10,200			
UMS MRY Duct Bank-East Conflict	59,251				
YBM_CTS PCC 33 Platform Gate Revisio			100,001		
CTS - Removal of Bus Bulb		15,997			
CTS Delete PGE Work at Vault 732		(50,000)			
UMS Remove Fire Hose Valve	(1,905)				
UMS MRY Duct Bank-West	54,981				

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$842,684,400
Substantial Completion	2/10/2018	2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
Deletion of ARS (Part II)				(600,001)	
YBM PCC 56 OCS Pole Foundations			551		
CTS PCC 061 (Rev1) Rev Escalator Pit		50,001			
CTS PCC 067 Wall Shift North Access		(1,097)			
USG Ramp Barriers and Handrail	75,001				
CTS PCC 050 Chinatown Plaza		0			
YBM PCC 69 Sidewalk Bulb-out Stair#1			62,508		
USG Removal of Existing Column	(101)				
YBM PCC 76 AWSS, SSFM, 20"WM Changes			150,001		
UMS Jet Grout at O'Farrell	35,001				
YBM PCC 79 Install 12in WM to Howar			169,450		
STS COR 491 Util in conf w/ 10" VCP				10,001	
YBM PCC 37 SFAC Node Sculpture			100,001		
YBM PCC 59 Pavers Basis of Design			20,001		
UMS Locate PG&E Conduits	20,001				
CTS PCC 083 Switchgear Breakers		30,001			
STS PCC 084 Removal of ATT DB & Vau				50,001	
YBM PCC 85 Ticketing Hall Changes			100,001		
UMS PCC 86 Headwall Soffit Pile	0				
USG PCC 87 Tiebacks, L2, GL 14-15	40,001				
YBM PCC 88 Extend 24" WM to Howard			250,001		
USG PCC 89 E. Light Pole Foundation	2,501				
UMS PCC 71 Rerouting of Slab Drains	0				
YBM PCC 91 Concourse Beam Revision			0		
UMS PCC 092 (GEN) TME Tracking Form	2,501				
UMS PCC 93 Ellis Deck Seismic Joint	10,001				
UMS Repair MRY Ductbank Y Connection	0				
STS COR 601 Conc Enc in cn. w W lin				2,827	
STS COR 604 Duct Bank in conf. w se				10,001	
STS COR 606 PDS Mounting Brackets				10,001	
STS COR 609 Damaged MRY Conduit				10,001	
UMS COR 610 AT&T Vault 121	5,001				
STS COR 613 Unknown Duct Bank				3,001	
STS COR 614 Pole ftg confl w FM				6,001	
STS COR 615 Sump Pump Pit Cover				1,044	
UMS COR 617 Material North of Geary	50,001				
STS COR 618 Add Exc added 4" Gate				3,535	

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount
Substantial Completion

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

\$842,684,400
2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 619 Added WD POC Excavation				5,372	
YBM COR 620 Openings in Conc. Deck			0		
STS COR 621 Additional WD Exc. per				10,914	
STS COR 623 Unkn Con Structure				5,001	
UMS COR 637 Fling the area abv piles	10,001				
STS COR 639 Util conf w/ 12" AWSS				10,001	
STS COR 641 SW delay due to conf ut				10,025	
UMS COR 646 Add. Floor Drain	6,504				
UMS COR 648 Water Proof under swalk	50,001				
USG COR 649 16 line Jet Grout Clafc	10,001				
STS COR 650 Asbestos conf w/ ATT DB				15,001	
STS COR 651 Fire srv conf w/ FM				5,001	
STS PCC 095 Frame/Grate Change				(50,001)	
STS PCC 096 4th St. SW Slip Lining				50,001	
YBM PCC 97 Change Concourse Opening			30,000		
YBM PCC 099 Glass Art Changes			30,000		
Change Order Request (COR)					
STS COR 17 Changes to Sewer Structu				247,717	
YBM-FACO #36 Buried sheet pile P-7			879		
STS-FACO #47 Sewer Related Work Pt2				33,898	
UMS-FACO #30 NDSC Inadequate CDF	157,462				
STS- AT&T Conduit Changes				22,290	
STS COR 113 DSC PVC Conduit/WL Conf				11,997	
STS COR 145 DSC PVC Conduits Conf				1,276	
STS COR 164 DSC 8" AWSS Lat Conf 78				5,750	
STS COR 254 DSC 4" Confl w 36" FM				25,197	
CTS COR 255 Additional Instruments		429,777			
STS COR 270 SW AWSS Conflict				8,280	
STS COR 271 DB AWSS Conflict				891	
STS COR 290 E CB PVC Confl WD AWSS				3,329	
STS COR 297 TC for Track Work at 4t				150,001	
UMS COR 110 DSC Obst. at JG Columns	1,451,120				
USG COR 359 Escalator #1 Truss Span	89,655				
USG COR 246 Tieback Access RFI 1050	160,933				
CTS COR 305 Abandon OBW-CTS-03		1,790			
STS COR 371 Conflicts w/ 12" AWSS				30,001	
CTS COR 372 DSC Potholing @ N Acces		9,846			

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount
Substantial Completion

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

\$842,684,400
2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 392 Util at 4th-Town SW MH				25,001	
STS COR 402 3x5 SW Confl w/ VCP SW				10,001	
UMS COR 403 Waterproofing at BART	20,001				
STS COR 404 Contam Soil in MRY DB				12,303	
UMS COR 407 8 inch SS Line Conflict	4,956				
YBM COR 267 Design for S.walk Hatch			10,848		
STS COR 014 Addtl MNHS for 78" SW				20,217	
STS COR 401 AWSS Layout 4th/King				295,269	
STS COR 406 Addtl TC at 4th/King				675,001	
STS COR 409 Conc in confl w/ (N) FM				3,722	
STS COR 411 Delay 8" WL miss serv				7,501	
STS COR 416 Conc DB/wall/lines conf				30,001	
CTS COR 429 Thickened Street Base		2,618			
CTS COR 408 MSX Termination		191,291			
CTS COR 436 WD confl with SW MH A		20,731			
CTS COR 437 Unanticipated Elec @ Sh		50,001			
STS COR 443 AWSS Procurement Delay				25,001	
CTS COR 445 3x5 w/ HDPE/PVC Inside		10,001			
CTS COR 450 Switchgear Cubicles		100,001			
STS COR 451 PGE Vlt WD Line Confl				30,001	
CTS COR 452 ATT Vlt Confl w/ SS Lat		1,742			
STS COR 454 Addtl Conflicts w/ 8" W				120,001	
STS COR 455 Conflicts w/ 8" WD Line				10,001	
STS COR 456 Conflicts w/ MRY Poles				20,001	
UMS COR 393 Wrap 14" Sewer Line	4,131				
STS COR 461 WD Confl w/ Mult Utilit				100,001	
STS COR 469 SW Cleaning 4th/King				1,836	
USG COR 471 Tieback Install Delays	46,250				
STS COR 475 Removal of Fiber Optic				1,101	
STS COR 476 Conc DB Conf w/ FH				25,001	
UMS COR 550 Grout in Arthur Beren	20,001				
YBM COR 459 AWSS / WD Conflict			83,484		
USG COR 486 Level X Test Tieback	0				
STS COR 500 Tunnel Monuments				5,001	
USG COR 512 Plaza Slab Conflict	50,001				
STS COR 519 Re-pressure test WD				2,739	

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount
Substantial Completion

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

\$842,684,400
2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS COR 521 Accomodations for Chine		11,848			
STS COR 523 AV & GV on 8" WD Main				1,601	
CTS COR 526 Connection b/t Wall & D		25,001			
CTS COR 527 Connection b/t Wall/Dec		25,001			
CTS COR 528 AWSS in 3x5 Brk SW		21,049			
STS COR 531 ATT Confl w/ 36" FM				25,001	
STS COR 536 Util in Conf w 36" FM				30,001	
STS COR 545 Traffic Control Costs				200,001	
STS COR 557 ATCS Revisions				50,001	
STS COR 558 CB in conf w AWSS				3,001	
STS COR 561 ATCS Mitigation NCT				1	
STS COR 563 Utils conf w new AWSS				5,001	
CTS COR 529 Rock Mass at Elev 37'		25,001			
UMS COR 499 48-inch Steel Casing	50,001				
CTS COR 171 Mismarked gas line		8,286			
CTS COR 547 Addtl piezometer		38,959			
STS COR 562 WD offsets around basin				25,534	
YBM COR 564 Concrete Encased PG&E			0		
CTS COR 568 CMOD 019 Reservations		300,001			
USG COR 569 Steel Plate Under Glass	0				
STS COR 570 Slab confl w/ AWSS				3,001	
STS COR 571 Brk struc confl w/ AWSS				3,001	
CTS COR 574 Escalator supports		1			
UMS COR 575 Pre-Load of Perm.Struts	0				
YBM COR 576 Risers in Conc. Level			0		
UMS COR 577 Split Sleeve on Sewer	658				
YBM COR 581 SFFD Montor Panel			0		
STS COR 584 Debris confl w/ culvert				11,569	
YBM COR 585 Water in N.Headwall			0		
YBM COR 586 Concrete Block @ Folsom			10,001		
UMS COR 590 Steel Line Conflict	892				
UMS COR 594 Utilities @ O'Farrell	3,473				
UMS COR 595 Fuel Tank S. of Geary	61,482				
YBM COR 597 Power Circuits for CCTV			0		
YBM COR 598 Power Circuit for CCTV			0		
YBM COR 599 Elect for HVAC VRV's			0		
STS COR 369 STS conf w/ SW @ Welsh				4,515	

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$842,684,400
Substantial Completion	2/10/2018	2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM COR 370 Brik Mnhl. conf.			636		
STS COR 447 Added Exc for SFWD POC				18,455	
STS COR 520 Lat Conf AWSS				3,867	
STS COR 522 Thickened Str. Stan				5,217	
STS COR 533 Conc wall confl util				39,170	
STS COR 559 Temporary Trolley Pole				15,001	
YBM COR 566 WD Tie-In @ Folsom			6,302		
STS COR 567 Loct of Plinth Breaks				10,001	
YBM COR 572 Kiosks on Platform Lvl			8,060		
CTS COR 582 Monitor at Agent Booth		25,001			
CTS COR 583 Elev 1-4 SFFD monitor		25,001			
YBM COR 589 Escalators 3, 4, and 7			0		
Change Order - Pending					
CTS-Plaza Surface Level Struct Mods		(10,337)			
STS Additional AT&T Ductbank at 4th				108,053	
UMS FACO #53 NDSC Transite Pipe	61,055				
YBM COR 182 Cap (E) 16" AWSS Tee			18,859		
STS COR #170 Cores in 78" RC Crown				1,666	
YBM COR 295 DSC AT&T Vault Conflict			2,563		
YBM COR 117 Additional Signage			3,902		
YBM COR 373 DSC NoD Contaminated Ma			40,548		
YBM COR 268 Repair PG&E Sink Hole			8,956		
YBM COR 418 Force Main Vault Size			3,033		
CTS COR 430 Unknown Concrete		3,712			
YBM COR 448 Elbow at Clementina			723		
CTS COR 453 Steel Line Confl w/ SS		4,966			
UMS COR 079 DSC Storage Tanks	97,817				
YBM COR 253 DSC Pipe Conflict			6,504		
STS COR 468 Buried Debris in Subgra				2,027	
CTS COR 470 Steel Pipe/SW MNH Confl		2,150			
YBM COR 95 UST Removal Folsom			156,733		
YBM COR 87 Transite pipe water insta			12,732		
YBM COR 474 Folsom Culvert at PG&E			18,612		
CTS PCC 017 FH at Jade Galore		90,090			
YBM COR 642 Sto Dir du to Nav Mon			3,107		
Approved	191,294	2,677,458	(1,216,653)	1,355,901	
Contract Modification					

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$842,684,400
Substantial Completion	2/10/2018	2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
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			
Cmod #10 YBM PCC 042			64,287		
CMod#8 STS PCC 006 ATT MH, PB&Trench				225,208	
CMod #9 YBM COR 10,15,16,18,20,25			126,663		
CMod #11 UMS PCC 002	12,997				
CMod #12 STS Traffic Control				1,032,302	
CMod # 14 YBM COR 036, 078			58,526		
CMod #15 YBM COR 196			3,178		
CMod #16 UMS COR 184	8,261				
CMod #017 CTS CORs 001 053 & 069		54,322			
CMod #018 CTS PCC 012		60,248			
CMod #13 CTS COR 006		57,707			
CMod #19 CTS COR 007, 026		2,274,225			
CMod #20 YBM PCC 047 and 45			364,562		
CMod #021 STS CORs 48/52/114/233/252				18,221	
CMod #22 UMS PCC 045, 046	16,198				
CMod #23 UMS PCC 058	63,838				
Grand Total	11,658,829	5,931,376	2,152,149	985,256	

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

Report Period: Apr 2016

		Mar 2016			Apr 2016				
Group by Contract & SCC	CATEGORY ITEM	Mar 2016 Base	Mar 2016 Allocated Contingency	Mar 2016 Base + Allocated Contingency (YOE)	Apr 2016 Base	Apr 2016 Allocated Contingency	Apr 2016 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [Apr 2016] vs. [Mar 2016]	Cost Report Notes
10-50	CONSTRUCTION CONTRACT PACKAGES	1,142,075,793	18,837,711	1,160,913,503	1,142,075,793	18,837,711	1,160,913,503	0	
1250	UTILITY RELOCATION PACKAGE #1	12,134,906		12,134,906	12,134,906		12,134,906	0	
	Contract 1250 Form B Credit	(2,275,419)		(2,275,419)	(2,275,419)		(2,275,419)	0	
1251	UTILITY RELOCATION PACKAGE #2	20,870,197		20,870,197	20,870,197		20,870,197	0	
	Contract 1251 Form B Credit	(7,618,412)		(7,618,412)	(7,618,412)		(7,618,412)	0	
1252	GUIDEWAY TUNNEL	235,227,789	685,711	235,913,500	235,227,789	685,711	235,913,500	0	27
	Contract 1252 Form B Credit	(254,050)		(254,050)	(254,050)		(254,050)	0	
1300	CN1300 STATIONS TOTAL	842,609,400	16,992,000	859,601,400	842,609,400	16,992,000	859,601,400	0	28
1253: UMS	UNION SQUARE/MARKET STREET STATION [UMS]	294,221,884	4,808,706	299,030,590	294,221,884	4,808,706	299,030,590	0	
	UMS 1253 Form B Credit	(528,370)		(528,370)	(528,370)		(528,370)	0	
1254: CTS	CHINA TOWN STATION [CTS]	250,170,268	2,322,542	252,492,810	250,170,268	2,322,542	252,492,810	0	
	CTS 1254 Form B Credit	(451,703)		(451,703)	(451,703)		(451,703)	0	
1255: YBM	YERBA BUENA/ MOSCONE STATION [YBM]	156,872,347	6,216,654	163,089,001	156,872,347	6,216,654	163,089,001	0	
	YBM 1255 Form B Credit	(100,000)		(100,000)	(100,000)		(100,000)	0	
1256: STS	SURFACE TRACKWORK & SYSTEMS [STS]	141,344,901	3,644,098	144,988,999	141,344,901	3,644,098	144,988,999	0	
	STS 1256 SFPUC SEWER MAIN CREDIT	(2,925,296)		(2,925,296)	(2,925,296)		(2,925,296)	0	
	STS 1256 Form B Credit	(1,000,000)		(1,000,000)	(1,000,000)		(1,000,000)	0	
OTHER	OTHER CONSTRUCTION TOTAL	46,386,751	1,160,000	47,546,751	46,386,751	1,160,000	47,546,751	0	
40.06	PUBLIC ART PROGRAM	8,175,555	1,160,000	9,335,555	8,175,555	1,160,000	9,335,555	0	
40.02	MISC. CONSTR CONTRCT WK (TRACTION POWER FOR 1251)	258,202		258,202	258,202		258,202	0	
40.01	CONTRACT 1300 SOIL PROCESS	500,000		500,000	500,000		500,000	0	29
50.01	TEMPORARY LICENSE AGREEMENT (ATCS CENTRAL CONTROL)	487,972		487,972	487,972		487,972	0	
50.06	MTA FARE COLLECTION EQUIPMENT	5,400,000		5,400,000	5,400,000		5,400,000	0	
50.06	BART FARE COLLECTION EQUIPMENT	700,000		700,000	700,000		700,000	0	

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

Report Period: Apr 2016

		Mar 2016			Apr 2016				
Group by Contract & SCC	CATEGORY ITEM	Mar 2016 Base	Mar 2016 Allocated Contingency	Mar 2016 Base + Allocated Contingency (YOE)	Apr 2016 Base	Apr 2016 Allocated Contingency	Apr 2016 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [Apr 2016] vs. [Mar 2016]	Cost Report Notes
40.02	JOB ORDER CONTRACTS (JOCS) - CONSTRUCTION	117,255		117,255	117,255		117,255	0	
40.08	AON RISK INSURANCE	18,088,750		18,088,750	18,088,750		18,088,750	0	
40.02	PUBLIC AGENCIES UTILITY COORDINATION	3,713,215		3,713,215	3,713,215		3,713,215	0	
40.02	DEPARTMENT OF PARKING AND TRAFFIC (DPT)	1,200,000		1,200,000	1,200,000		1,200,000	0	
50.03	UNION SQUARE/ MARKET STREET STATION POWER FEED	2,959,826		2,959,826	2,959,826		2,959,826	0	
50.03	UNION SQUARE/ MARKET STREET STATIONS PERMANENT POWER	(2,350,000)		(2,350,000)	(2,350,000)		(2,350,000)	0	
50.03	CHINATOWN STATION POWER FEED	2,959,826		2,959,826	2,959,826		2,959,826	0	
50.03	CHINATOWN STATION PERMANENT POWER	(2,350,000)		(2,350,000)	(2,350,000)		(2,350,000)	0	
50.03	YERBA BUENA/ MOSCONE STATION [YBM] POWER FEED	3,125,222		3,125,222	3,125,222		3,125,222	0	
50.03	YERBA BUENA/ MOSCONE STATION [YBM] PERMANENT POWER	(2,368,540)		(2,368,540)	(2,368,540)		(2,368,540)	0	
50.03	SURFACE STATION POWER FEED	11,839		11,839	11,839		11,839	0	
50.04	COMMUNICATION CONNECTION COSTS	5,757,629		5,757,629	5,757,629		5,757,629	0	
60	ROW, LAND, EXISTING IMPROVEMENTS	32,246,321	5,265,478	37,511,799	32,246,321	5,265,478	37,511,799	0	
60.01	PURCHASE OR LEASE OF REAL ESTATE	30,065,810	5,265,478	35,331,288	30,065,810	5,265,478	35,331,288	0	30
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	31
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	

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

Report Period: Apr 2016

		Mar 2016			Apr 2016				
Group by Contract & SCC	CATEGORY ITEM	Mar 2016 Base	Mar 2016 Allocated Contingency	Mar 2016 Base + Allocated Contingency (YOE)	Apr 2016 Base	Apr 2016 Allocated Contingency	Apr 2016 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [Apr 2016] vs. [Mar 2016]	Cost Report Notes
80.02 80.06	FINAL DESIGN	61,322,751		61,322,751	61,322,751		61,322,751	0	
80.03	PROJECT MANAGEMENT FOR DESIGN & CONSTRUCTION	89,021,634	13,905,845	102,927,479	89,021,634	13,905,845	102,927,479	0	
80.04	CONSTRUCTION ADMINISTRATION & MANAGEMENT	91,037,791	2,956,812	93,994,603	91,037,791	2,956,812	93,994,603	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	1,498,149,155	55,400,921	1,553,550,076	1,498,149,155	55,400,921	1,553,550,076	0	
90	UNALLOCATED CONTINGENCIES			24,749,927			24,749,927		32
	TOTAL PROJECT COST 10 TO 100			1,578,300,002			1,578,300,002		
	TOTAL CONTINGENCY			80,150,847			80,150,847		
	CONTINGENCY MINIMUM			60,000,000			60,000,000		
	BELOW OR ABOVE MINIMUM			20,150,847			20,150,847		

COST STATUS BY CATEGORY	SCC CODES	BUDGET Mar 2016	BUDGET TRANSFERS	BUDGET Apr 2016	Apr 2016 CTD	Apr 2016 EAC
CONSTRUCTION	SCC 010 - 050	1,160,913,504	0	1,160,913,504	666,003,046	1,160,041,057
REAL ESTATE	SCC 060	37,511,799	0	37,511,799	30,646,005	32,246,321
VEHICLES	SCC 070	26,385,653	0	26,385,653	2,147,706	13,309,000
PRELIM ENGINEERING	SCC 080.01	46,202,674	0	46,202,674	46,202,675	46,202,674
FINAL DESIGN	SCC 080.02	61,318,331	0	61,318,331	61,576,939	61,322,751
PM FOR DESIGN & CONSTRUCTION	SCC 080.03 - 080.04	196,922,082	0	196,922,082	111,057,845	180,059,425
OTHER PROF SRVCS	SCC 080.05 - 080.08	24,296,033	0	24,296,033	12,305,679	22,933,191
UNALLOC CONTINGENCY	SCC 090	24,749,924	0	24,749,924		
Grand Total		1,578,300,000	0	1,578,300,000	929,939,896	1,516,114,419

SCC DESCRIPTION	Apr 2016 BUDGET	Apr 2016 CTD
010 - GUIDEWAY & TRACK ELEMENTS	285,716,623	188,794,299
020 - STATIONS, STOPS, TERMINALS, INTERMODAL	573,966,021	278,359,887
040 - SITEWORK & SPECIAL CONDITIONS	205,859,761	181,007,666
050 - SYSTEMS	95,371,099	17,841,195
060 - ROW, LAND, EXISTING IMPROVEMENTS	37,511,799	30,646,005
070 - VEHICLES (number)	26,385,653	2,147,706
080 - PROFESSIONAL SERVICES (applies to Cats. 10-50)	328,739,120	231,143,138
090 - UNALLOCATED CONTINGENCY	24,749,924	
Grand Total	1,578,300,000	929,939,896

SCC DESCRIPTION	Apr 2016 BUDGET	Apr 2016 CTD
010.02-Guideway: At grade semi-exclusive (allows cross-traffic)	2,860,000	145,000
010.06-Guideway: Underground cut & cover	70,833,126	61,881,296
010.07-Guideway: Underground tunnel	200,812,771	121,542,532
010.09-Track: Direct fixation	6,761,089	2,606,871
010.12-Track: Special (switches, turnouts)	4,449,637	2,618,600
020.01-At-grade station, stop, shelter, mall, terminal, platform	6,673,138	1,320,815
020.02-Aerial station, stop, shelter, mall, terminal, platform	3,644,098	0
020.03-Underground station, stop, shelter, mall, terminal, platform	541,946,948	273,696,078
020.07-Elevators, escalators	21,701,837	3,342,993
040.01-Demolition, Clearing, Earthwork	11,144,242	10,397,944
040.02-Site Utilities, Utility Relocation	56,641,040	55,437,904
040.03-Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	7,301,393	3,718,006
040.04-Environmental mitigation, e.g. wetlands, historic/archeologic, parks	1,020,165	540,707
040.05-Site structures including retaining walls, sound walls	2,706,431	2,706,431
040.06-Pedestrian / bike access and accommodation, landscaping	9,755,506	2,153,393
040.07-Automobile, bus, van accessways including roads, parking lots	6,967,874	2,133,265
040.08-Temporary Facilities and other indirect costs during construction	110,323,109	103,920,017
050.01-Train control and signals	28,031,423	6,061,513
050.02-Traffic signals and crossing protection	12,584,529	6,729,402
050.03-Traction power supply: substations	21,487,073	3,856,853
050.04-Traction power distribution: catenary and third rail	12,441,113	1,136,923
050.05-Communications	12,062,374	56,503
050.06-Fare collection system and equipment	6,100,000	0
050.07-Central Control	2,664,586	1
060.01-Purchase or lease of real estate	35,331,288	28,236,576
060.02-Relocation of existing households and businesses	2,180,511	2,409,430
070.01-Light Rail	26,385,653	2,147,706
080.01-Preliminary Engineering	46,202,674	46,202,675
080.02-Final Design	61,318,331	61,576,939
080.03-Project Management for Design and Construction	102,927,479	60,863,575

SCC DESCRIPTION	Apr 2016 BUDGET	Apr 2016 CTD
080.04-Construction Administration & Management	93,994,603	50,194,269
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	4,573,109
080.07-Surveys, Testing, Investigation, Inspection	883,100	13,831
Grand Total	1,578,300,000	929,939,896

[A] Cost Account Description	BUDGET			ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[A] PRIOR Budget (YOE)		[B] April 2016 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
TOTAL PRELIMINARY ENGINEERING	46,542,061	0	46,542,061	46,542,061	0	0	46,542,061	0	33
11 - SFMTA PROJECT MANAGEMENT	8,828,359		8,828,359	8,253,957	0	0	8,253,957	574,403	34
12 - SFMTA ENGINEERING SERVICES	11,425,594	0	11,425,594	11,425,594	0	0	11,425,594	0	35
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	935,451	0	935,451	802,883	0	0	802,883	132,568	
21 - ARTS COMMISSION	1,500,570	0	1,500,570	1,500,570	0	0	1,500,570	1	36
22 - FIRE DEPARTMENT	33,825	0	33,825	33,825	0	0	33,825	0	
23 - CITY ATTORNEY'S OFFICE	1,234,754	0	1,234,754	1,234,754	0	0	1,234,754	0	
24 - RISK MANAGEMENT	0	0	0	0	0	0	0	0	
26 - PLANNING	99,604	0	99,604	99,604	0	0	99,604	0	
27 - DEPARTMENT OF PUBLIC HEALTH (DPH)	4,420	0	4,420	4,420	0	0	4,420	0	
29 - CITY AUDITOR	308,540	0	308,540	315,616	0	0	315,616	(7,076)	
32 - DPW - IDC ENGINEERING (HYDRAULIC)	3,322,887	0	3,322,887	3,714,064	0	0	3,714,064	(391,177)	
34 - DPW - IDC CONSTRUCTION (CAPTITAL)	17,462	0	17,462	17,462	0	0	17,462	0	
36 - DPW - BSM INFRASTRUCTURE (MAPPING)	76,549	0	76,549	76,549	0	0	76,549	0	
39 - DPW - PCS SITE ASSESSMENT & REMEDIATION (SAR)	13,993	0	13,993	13,993	0	0	13,993	0	
51 - 821 HOWARD STREET	1,005,653	0	1,005,653	1,005,653	0	0	1,005,653	0	
55 - 651 BRANNAN	2,294,910	0	2,294,910	2,294,910	0	0	2,294,910	0	37
63 - CENTRAL SUBWAY PARTNERSHIP - AECOM-EPC JV CONTRACT 149	26,793,234	0	26,793,234	26,793,234	0	0	26,793,234	0	38
66 - ANIL VERMA	395,204	0	395,204	395,204	0	0	395,204	0	39
67 - HILL INTERNATIONAL CONTRACT 156	6,716,294	0	6,716,294	6,716,294	0	0	6,716,294	0	
68 - ARTHUR GALLAGER & CO. CS 164	6,800,000	0	6,800,000	6,340,196	0	0	6,340,196	459,804	
71 - TUNNEL/UTILITIES - CONTRACT # CONTRACT 155-1	5,469,336	0	5,469,336	5,469,336	0	0	5,469,336	0	40
72 - STATIONS - CONTRACT # CONTRACT 155-2	26,220,609	0	26,220,609	26,220,609	0	0	26,220,609	0	41
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	11,432,312	0	11,432,312	11,432,312	0	0	11,432,312	(0)	42
331 - BAY AREA RAPID TRANSIT (BART)	146,427	0	146,427	146,427	0	0	146,427	0	
332 - SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY (SFCTA)	0	0	0	0	0	0	0	0	
TOTAL FINAL DESIGN	115,075,987	0	115,075,987	114,307,465	0	0	114,307,465	768,523	
11 - SFMTA PROJECT MANAGEMENT	15,589,933		15,589,933	6,420,320	178,541	235,997	6,656,317	8,933,616	
1.3.011.01.080.03 - CM:SFMTA LABOR-PROJECT MANAGEMENT	15,589,933		15,589,933	6,420,320	178,541	235,997	6,656,317	8,933,616	
12 - SFMTA ENGINEERING SERVICES	905,264		905,264	2,240,687	75,911	108,176	2,348,864	(425,282)	
1.3.012.02.080.04 - CM: SFMTA LABOR-ENGINEERING CONTRACT 1252	123,582		123,582	57,648	0	0	57,648	65,934	
1.3.012.06.080.04 - CM: SFMTA LABOR-ENGINEERING CONTRACT 1300	1,800,000		1,800,000	2,183,039	75,911	108,176	2,291,216	(491,216)	
13 - SFMTA CONSTRUCTION MANAGEMENT	44,075,375		44,075,375	9,833,864	243,090	347,935	10,181,799	32,875,258	
1.3.013.01.080.04 - CM:SFMTA LABOR-CONSTR. MANAGEM	43,057,057		43,057,057	9,833,864	243,090	347,935	10,181,799	32,875,258	
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	3,588,074		3,588,074	1,635,912	5,013	(26,557)	1,609,355	2,089,398	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT UMS	299,600		299,600	82,973	1,711	1,642	84,615	214,985	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT CTS	274,900		274,900	66,996	220	1,811	68,807	206,093	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT YBM	238,400		238,400	103,023	1,824	4,504	107,527	130,873	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT STS	876,876		876,876	166,941	1,258	4,788	171,728	705,148	
1.3.016.02.040.08 - DPT: FIELD OPS TUNNEL [B84]	0		0	1,464	0	0	1,464	(1,464)	

[A] Cost Account Description	BUDGET			ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[A] PRIOR Budget (YOE)		[B] April 2016 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
1.3.016.02.040.08 - DPT: FIELD OPS TUNNEL [B86]	0		0	204,261	0	0	204,261	(204,261)	
1.3.016.06.040.02 - DPT:DPT TRAFFIC SHOP CONTRACT 1300	1,200,000		1,200,000	0	0	0	0	1,200,000	
1.3.016.07.080.04 - DPT:SSD DS/CN: 1UTL	38,450		38,450	0	0	0	0	38,450	
1.3.016.08.040.08 - DPT:PCOS:2UTL [68A]	400,728		400,728	400,728	0	0	400,728	0	
1.3.016.08.040.08 - DPT:SSD CN:2UTL	0		0	108,020	0	0	108,020	(108,020)	
1.3.016.08.080.04 - DPT:SSD [1326]	259,120		259,120	274,552	0	(39,301)	235,252	23,868	
1.3.016.08.080.04 - DPT:SSD [13BN]	0		0	23,302	0	0	23,302	(23,302)	
1.3.016.08.080.04 - DPT:SSD [13CN]	0		0	963	0	0	963	(963)	
1.3.016.08.080.04 - DPT:SSD [B85]	0		0	92,008	0	0	92,008	(92,008)	
1.3.016.09.040.08 - PCOS:1300/STS [68CPT544132Z.CPT544132Z]	0		0	110,679	100,921	0	110,679	(110,679)	
17 - MOTIVE POWER	2,195		2,195	0	0	0	0	2,195	
1.3.017.07.040.02 - PWR:SFMTA-MOTIVE POWER-UTL.REL	2,195		2,195	0	0	0	0	2,195	
18 - SFMTA OPERATIONS	400,000		400,000	39,586	0	0	39,586	286,883	
1.3.018.04.040.02 - OPS:SUPPORT TO CONTRACT 1300/CTS	100,000		100,000	26,469	0	0	26,469	73,531	
1.3.018.06.080.07 - OPS:SUPPORT TO CONTRACT 1300/UMS	300,000		300,000	13,117	0	0	13,117	286,883	
19 - OTHER SFMTA	700,000		700,000	1,505,407	446	0	1,505,407	(805,407)	
1.3.019.01.080.07 - OTH.MTA SURVEY AND TESTING	500,000		500,000	0	0	0	0	500,000	
1.3.019.07.080.07 - OTH.MTA SFMTA-SURVEY; TSTG [6840]	0		0	714	0	0	714	(714)	
1.3.019.08.040.08 - OTH.MTA 1251 MATERIALS	150,000		150,000	126,149	0	0	126,149	23,851	
1.3.019.08.080.08 - OTH.MTA OPERATION SUPPORT DURI	50,000		50,000	1,378,544	446	0	1,378,544	(1,328,544)	
21 - ARTS COMMISSION	12,010,885		12,010,885	2,496,403	39,864	61,340	2,557,743	9,453,143	
1.3.021.01.040.06 - ARTS:CTYCO-ARTS COMMISSION CONSTRUCTION COSTS	4,772,555		4,772,555	0	0	0	0	4,772,555	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [1227]	2,030,147		2,030,147	388,167	0	0	388,167	1,641,980	43
1.3.021.01.080.04 - ARTS:CTYCO-ARTS COMMISSION [PWE335MPFUNA.CPT5441227]	21,000		21,000	11,386	0	0	11,386	9,614	
1.3.021.06.080.03 - ARTS:CTYCO-ARTS COMMISSION PM [285MC.132J]	158,970		158,970	367,039	39,864	17,619	384,658	(225,688)	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [PWE335MPFUNA.CPT5441327]	0		0	1,265	0	693	1,957	(1,957)	
1.3.021.06.040.06 - ARTS:CTYCO-ARTS COMMISSION [68CPT5441327.CPT5441327]	1,500,000		1,500,000	1,393,660	0	0	1,393,660	106,340	
1.3.021.06.040.06 - ARTS:CTYCO-ARTS COMMISSION [285MCPFUNA.CPT5441327]	1,903,000		1,903,000	334,886	0	43,029	377,914	1,525,086	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [132J]	465,213		465,213	0	0	0	0	465,213	
1.3.021.97.040.06 - ARTS:ARTS COMMISSION ALLOC CO	1,160,000		1,160,000	0	0	0	0	1,160,000	
23 - CITY ATTORNEY'S OFFICE	2,171,781		2,171,781	1,555,745	0	0	1,555,745	616,036	
1.3.023.01.080.06 - ATTY:CN LEGAL-CITY ATTORNEY OF	2,171,781		2,171,781	1,555,745	0	0	1,555,745	616,036	
25 - PUBLIC UTILITIES COMMISSION SEWER	(2,925,296)		(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)		(2,925,296)					(2,925,296)	
26 - PLANNING	137,062		137,062	22,763	3,270	0	22,763	114,299	
1.3.026.01.080.06 - CM:CTYCO-PLANNING DEPARTMENT	137,062		137,062	22,763	3,270	0	22,763	114,299	
28 - PUBLIC UTILITIES COMMISSION WATER	4,242,012		4,242,012	2,383,966	6,473	154,322	2,538,288	1,703,724	
1.3.028.02.040.02 - CM:CTYCO-PUBLIC UTIL COMM. (PUC)	0		0	4,745	0	0	4,745	(4,745)	
1.3.028.02.040.08 - PUC: FIELD OPERATIONS TUNNEL	398,400		398,400	538,067	0	0	538,067	(139,667)	
1.3.028.02.080.04 - PUC:MTA CSP CN1252 [470465]	105,000		105,000	91,587	0	0	91,587	13,413	
1.3.028.03.040.02 - PUC:CDD CONTRACT 1300/UMS SUPPORT	606,354		606,354	101,365	0	621	101,986	504,368	
1.3.028.03.080.04 - PUC:CMB CONTRACT 1300/UMS INSPECTION	230,000		230,000	30,363	0	0	30,363	199,637	
1.3.028.04.040.02 - PUC:CDD CONTRACT 1300/CTS SUPPORT	271,755		271,755	162,089	2,479	2,520	164,609	107,146	
1.3.028.04.080.04 - PUC:CMB CONTRACT 1300/CTS INSPECTION	115,000		115,000	6,956	0	0	6,956	108,044	
1.3.028.05.040.02 - PUC:CDD CONTRACT 1300/YBM SUPPORT	450,282		450,282	182,929	409	4,216	187,145	263,137	

[A] Cost Account Description	BUDGET			ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[A] PRIOR Budget (YOE)		[B] April 2016 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
1.3.028.05.080.04 - PUC:CMB CONTRACT 1300/YBM INSPECTION	184,000		184,000	4,008	0	0	4,008	179,992	
1.3.028.06.040.02 - PUC:CMB CONTRACT 1300/SFWD AWSS MATERIAL	0		0	14,135	663	131,704	145,839	(145,839)	
1.3.028.07.040.02 - PUC:PUC CDD WATER CONNECTION CONTRACT 1250	248,035		248,035	291,501	0	0	291,501	(43,466)	
1.3.028.07.080.04 - PUC:PUC CMB INSPECTION CONTRACT 1250	74,468		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		565,389	318,130	0	0	318,130	247,259	
1.3.028.08.080.04 - PUC:PUC CMB INSPECTION CONTRACT 1251	266,252		266,252	289,424	0	0	289,424	(23,172)	
1.3.028.09.040.02 - PUC:CMB CONTRACT 1300/STS SUPPORT	520,077		520,077	170,086	2,921	9,158	179,244	340,833	
1.3.028.09.080.04 - PUC:CMB CONTRACT 1300/STS INSPECTION	207,000		207,000	64,737	0	6,103	70,840	136,160	
32 - DPW - IDC ENGINEERING (HYDRAULIC)	1,150,459	0	1,150,459	(220,550)	2,243	2,966	(217,585)	1,221,780	
1.3.032.01.080.04 - CM:DPW:1424J-BUREAU OF ENGINEERING (BOE) [AB12]	60,000		60,000	(285,405)	0	0	(285,405)	345,405	
1.3.032.03.080.04 - DPW IDC HYDRAULIC CN1300 UMS SUPPORT	297,938		297,938	2,450	1,083	856	3,307	294,631	
1.3.032.04.080.04 - DPW IDC HYDRAULIC CN1300 CTS SUPPORT	295,639		295,639	8,890	0	0	8,890	286,749	
1.3.032.05.080.04 - DPW IDC HYDRAULIC CN1300 YBM SUPPORT	301,882		301,882	21,887	0	0	21,887	279,995	
1.3.032.06.080.04 - DPW: BOE: 1300 DSDC	6,000		6,000	0	0	0	0	6,000	
1.3.032.08.080.04 - DPW:HYRDDPW-BOE IDC ENG SVC DC	9,000		9,000	0	0	0	0	9,000	
1.3.032.09.080.04 - DPW IDC HYDRAULIC CN1300 STS SUPPOR	180,000		180,000	31,627	1,160	2,110	33,736	146,264	
34 - DPW - IDC CONSTRUCTION (CAPITAL)	6,695,348	0	6,695,348	4,681,099	76,033	111,396	4,792,495	1,902,853	
1.3.034.02.080.04 - DPW:CONSTR:1252 CM [CD12]	730,000		730,000	1,207,603	(66,843)	0	1,207,603	(477,603)	
1.3.034.02.080.04 - DPW:CONSTR:1252 CM [13AC12]	206,000		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	2,140,142	0	0	2,140,142	0	
1.3.034.06.080.04 - DPW:CONSTR:1300 CM [13CP12]	3,619,206		3,619,206	1,194,957	142,876	111,396	1,306,353	2,312,853	
36 - DPW - BSM INFRASTRUCTURE (MAPPING)	465,562		465,562	110,294	0	0	110,294	436,268	
1.3.036.01.080.04 - DPW:MPPG:DPW-BUREAU OF ST USE	417,129		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		0	33,084	0	0	33,084	(33,084)	
1.3.036.02.080.06 - DPW:MPPG:DPW-BUREAU OF ST USE	90,000		90,000	44,530	0	0	44,530	45,470	
1.3.036.06.080.06 - DPW:MPPG:BSM PERMIT REVIEW	39,433		39,433	0	0	0	0	39,433	
37 - DPW - PCS MATERIAL TESTING LABORATORY	83,100		83,100	0	0	0	0	83,100	
1.3.037.01.080.07 - DPW.MTL.LABDPW-MATERIAL TESTIN	83,100		83,100	0	0	0	0	83,100	
39 - DPW - PCS SITE ASSESSMENT & REMEDIATION (SAR)	622,474		622,474	939,987	0	2,297	942,284	(319,810)	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [132112]	8,621		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	92,459	0	0	92,459	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2250]	78,400		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	151,515	0	0	151,515	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2313]	24,343		24,343	24,343	0	0	24,343	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION	58,757		58,757	10,109	0	0	10,109	48,648	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [CE13]	31,367		31,367	31,367	0	0	31,367	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [CH13]	100,000		100,000	8,621	0	0	8,621	91,379	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR)	17,000		17,000	0	0	0	0	17,000	
1.3.039.02.080.04 - DPW: SITE ASSESSMENT & REMEDIATION (SAR) - CN1252 [13CE11]	18,632		18,632	16,880	0	0	16,880	1,753	
1.3.039.02.080.04 - DPW: SITE ASSESSMENT & REMEDIATION (SAR) - CN1300 [13CH11]	41,379		41,379	19,435	0	2,297	21,732	19,647	
46 - MACY'S WEST - SFPUC SEWER WORK	258,202		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	258,202	0	0	258,202	0	
51 - 821 HOWARD STREET	4,690,481		4,690,481	548,258	14,537	13,650	561,908	4,128,573	
1.3.051.01.080.03 - ODC.HWRD:ODCs - 821 HOWARD STR	4,625,481		4,625,481	535,495	14,246	13,650	549,145	4,076,336	
1.3.051.02.080.04 - ODC.HWRD:ODCs - TUNNEL CONTRACT 1252	10,000		10,000	1,056	0	0	1,056	8,944	

[A] Cost Account Description	BUDGET		ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[A] PRIOR Budget (YOE)	[B] April 2016 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
1.3.051.06.080.04 - ODC.HWRD:ODCs - STATION CONTRACT 1300	55,000	55,000	11,708	291	0	11,708	43,292	
55 - 651 BRANNAN	0	0	10,348	0	0	10,348	(10,348)	
1.3.055.01.080.03 - CM:ODCs - 651 BRANNAN STREET	0	0	10,348	0	0	10,348	(10,348)	44
63 - CENTRAL SUBWAY PARTNERSHIP - AECOM-EPC JV CONTRACT 149	42,373,401	42,373,401	26,729,841	62,916	937,084	27,666,925	14,706,476	
1.3.063.01.080.03 - CM:PM:AECOM.CS149 OM-EPC JV CS149-PM	9,507,939	9,507,939	5,817,804	25,166	200,000	6,017,804	3,490,135	45
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3B]	5,218,630	5,218,630	3,169,213	37,749	300,000	3,469,213	1,749,417	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3E]	7,000,000	7,000,000	7,982,813	0	0	7,982,813	(982,813)	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3F]	0	0	2,850,099	0	398,284	3,248,383	(3,248,383)	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9B]	11,042	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	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	600,000	523,943	0	0	523,943	76,057	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9F]	0	0	279,288	0	38,801	318,089	(318,089)	
1.3.063.01.080.04 - FD:CM:EPC JV CS49-PM [123A]	5,579,945	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					13,905,845	
67 - HILL INTERNATIONAL CONTRACT 156	11,000,000	11,000,000	1,794,741	78,542	75,702	1,870,443	9,129,557	
1.3.067.01.080.03 - HILL.CS156:HILL INTL. CS-156 [1336]	600,000	600,000	915,032	297,820	0	915,032	(315,032)	
1.3.067.01.080.03 - HILL.CS156:HILL INTL. CS-156 [1337]	9,400,000	9,400,000	752,448	(219,278)	75,702	828,150	8,571,850	
1.3.067.01.080.03 - HILL.CS156:HILL INTL. [1330]	1,000,000	1,000,000	127,261	0	0	127,261	872,739	
69 - BAYLAND SOIL PROCESS CONTRACT 175	500,000	500,000	121,445	0	0	121,445	378,555	46
1.3.069.06.040.01 - BAYLAND.CS175:BAYLAND SOIL PROCESS [133K]	500,000	500,000	121,445	0	0	121,445	378,555	
71 - TUNNEL/UTILITIES - CONTRACT # CONTRACT 155-1	1,358,950	1,358,950	1,906,119	(10,880)	246	1,906,365	(547,415)	
1.3.071.01.080.04 - CM: CS155.1 DESIGN SUPPORT DURING CM [1232]	0	0	(87,201)	0	0	(87,201)	87,201	47
1.3.071.02.080.04 - CM: CS155.1 DESIGN SUPPORT DURING CM [1332]	1,358,950	1,358,950	1,993,320	(10,880)	246	1,993,566	(634,616)	
72 - STATIONS - CONTRACT # CONTRACT 155-2	8,752,240	8,752,240	4,912,664	231,084	362,028	5,274,692	3,477,548	
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1233]	50,000	50,000	51,351	0	0	51,351	(1,351)	48
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1333]	8,702,240	8,702,240	4,861,314	231,084	362,028	5,223,342	3,478,898	
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	4,828,269	4,828,269	1,708,034	85,759	76,310	1,784,345	3,043,924	
1.3.073.01.080.04 - CM: CS155.3 DESIGN SUPPORT DURING CM [1236]	90,000	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	4,738,269	1,618,244	85,759	76,310	1,694,554	3,043,715	
81 - UTILITIES RELOCATION #1 (PORTAL & MOS) - CONTRACT 1250	11,968,150	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	167,458	0	0	167,458	0	
1.3.081.07.040.02 - UR1.CONTRACT 1250:SITWORK: UTILITI	10,099,341	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	453,321	0	0	453,321	0	
1.3.081.07.040.08 - UR1.CONTRACT 1250:SITWORK:TEMPORAR	1,248,030	1,248,030	1,248,030	0	0	1,248,030	0	
82 - UTILITIES RELOCATION #2 (UMS) - CONTRACT 1251	20,794,582	20,794,582	20,794,582	0	0	20,794,582	0	49
1.3.082.08.040.01 - UR2.CONTRACT 1251:SITWORK: DEMOLIT	752,240	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	10,328,044	0	0	10,328,044	0	
1.3.082.08.040.03 - UR2.CONTRACT 1251:SITWORK:HAZMAT	172,712	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	2,706,431	0	0	2,706,431	0	
1.3.082.08.040.06 - UR2.CONTRACT 1251:SITWORK:PEDESTRA	319,317	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	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	6,325,476	0	0	6,325,476	0	
GUIDEWAY TUNNELS TOTAL	235,913,500	235,913,500	234,881,397	0	0	234,881,397	1,032,103	
83 - GUIDEWAY TUNNELS - CONTRACT # 1252 BASE	233,584,015	233,584,015	233,357,072	0	0	233,357,072	226,943	50
1.3.083.02.010.06 - CONTRACT 1252:GUIDEWAY:UNDERGRN'D CUT	60,446,425	60,446,425	61,377,878	0	0	61,377,878	(931,453)	

[A] Cost Account Description	BUDGET			ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[A] PRIOR Budget (YOE)	[B] April 2016 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total			
	1.3.083.02.010.07 - CONTRACT 1252:GUIDEWAY:UNDERGROUND	105,423,090	105,423,090	105,164,927	0	0	105,164,927		
1.3.083.02.020.03 - CONTRACT 1252: STATIONS: UNDERGROUND	21,685,000	21,685,000	21,685,000	0	0	21,685,000	0		
1.3.083.02.040.01 - CONTRACT 1252:SITWORK:DEMO CLEARING	2,440,000	2,440,000	2,440,000	0	0	2,440,000	0		
1.3.083.02.040.02 - CONTRACT 1252:SITWORK:UTILITIES & RE	10,895,000	10,895,000	10,487,676	0	0	10,487,676	407,324		
1.3.083.02.040.03 - CONTRACT 1252:SITWORK:HAZMAT&MITIGAT	200,000	200,000	200,000	0	0	200,000	0		
1.3.083.02.040.04 - CONTRACT 1252:SITWORK:ENVIRON. MITIG	300,000	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	50,000	0	0	50,000	0		
1.3.083.02.040.07 - CONTRACT 1252:SITWORK:AUTO/BUS ACCES	1,345,000	1,345,000	1,345,000	0	0	1,345,000	0		
1.3.083.02.040.08 - CONTRACT 1252:SITWORK:TEMP FACILITIE	30,799,500	30,799,500	30,552,299	0	0	30,552,299	247,201		
83 - GUIDEWAY TUNNELS - CONTRACT # 1252 CMODs	1,643,774	1,643,774	1,524,325	0	0	1,524,325	119,449	51	
1.3.083.83.010.06 - CONTRACT 1252: CONTRACT MOD	112,251	112,251	90,918	0	0	90,918	21,334		
1.3.083.83.010.07 - CONTRACT 1252: CONTRACT MOD	1,775,627	1,775,627	1,775,627	0	0	1,775,627	0		
1.3.083.83.020.03 - CONTRACT 1252: CONTRACT MOD	1,004,156	1,004,156	953,605	0	0	953,605	50,551		
1.3.083.83.040.02 - CONTRACT 1252: CONTRACT MOD	1,031,117	1,031,117	817,432	0	0	817,432	213,685		
1.3.083.83.040.03 - CONTRACT 1252: CONTRACT MOD	453,475	453,475	453,475	0	0	453,475	0		
1.3.083.83.040.08 - CONTRACT 1252: CONTRACT MOD	(2,732,852)	(2,732,852)	(2,566,731)	0	0	(2,566,731)	(166,121)		
1.3.083.93.010.07 - CONTRACT 1252: TUNNEL ALLOC CONTING	685,711	685,711	0	0	0	0	685,711	52	
CONTRACT 1300 - STATIONS, TRACKWORK AND SYSTEMS TOTAL	859,601,400	859,601,400	362,881,108	9,513,400	8,606,974	371,488,082	488,113,318	53	
84 - UNION SQUARE/MARKET STREET STATION (UMS) - WORK PACKAGE 1253	294,030,590	294,030,590	147,003,940	3,747,548	4,230,787	151,234,727	142,795,863	18	
1.3.084.03.020.03 - UMS.1253: UNDERGROUD STATION	253,822,452	253,822,452	125,831,871	3,136,048	3,488,168	129,320,039	124,502,413		
1.3.084.03.020.07 - UMS.1253: ELEVATORS ESCALATOR	9,465,694	9,465,694	1,335,881	0	0	1,335,881	8,129,813		
1.3.084.03.040.01 - UMS.1253: DEMOLITION CLEARING	6,071,588	6,071,588	5,079,088	422,500	632,500	5,711,588	360,000		
1.3.084.03.040.02 - UMS.1253: SITE UTILITIES UTIL	3,971,620	3,971,620	2,034,351	118,000	25,858	2,060,209	1,911,411		
1.3.084.03.040.03 - UMS.1253: HAZARDOUS MATERIALS	550,000	550,000	317,888	0	0	317,888	232,112		
1.3.084.03.040.04 - UMS.1253: ENVIRONMENTAL MITIGA	244,500	244,500	145,875	0	0	145,875	98,625		
1.3.084.03.040.06 - UMS.1253: PEDESTRIAN/BIKE	18,969	18,969	12,501	0	0	12,501	6,468		
1.3.084.03.040.07 - UMS.1253: AUTOMOBILE BUS ACCE	1,547,185	1,547,185	48,001	21,000	0	48,001	1,499,184		
1.3.084.03.040.08 - UMS.1253: TEMPORARY FACILITIES	10,398,701	10,398,701	9,620,944	0	34,261	9,655,205	743,496		
1.3.084.03.050.02 - UMS.1253: TRAFFIC SIGNALS AND	4,773,076	4,773,076	2,500,000	50,000	50,000	2,550,000	2,223,076		
1.3.084.03.050.03 - UMS.1253: TRACTION POWER SUPPL	1,815,534	1,815,534	9,001	0	0	9,001	1,806,533		
1.3.084.03.050.04 - UMS.1253: TRACTION POWER DISTR	216,957	216,957	66,038	0	0	66,038	150,919		
1.3.084.03.050.05 - UMS.1253: COMMUNICATIONS	1,134,314	1,134,314	2,501	0	0	2,501	1,131,813		
84 - UNION SQUARE/MARKET STREET STATION (UMS) CMODs	191,294	191,294	111,258	0	0	111,258	80,036		
1.3.084.84.020.03 - CMOD:UMS.1253: UNDERGROUD STATION	37,456	37,456	21,258	0	0	21,258	16,198		
1.3.084.84.020.07 - CMOD:UMS.1253: ELEVATORS, ESCALATORS	90,000	90,000	90,000	0	0	90,000	0		
1.3.084.84.040.02 - CMOD:UMS.1253: SITE UTILITIES UTIL	63,838	63,838	0	0	0	0	63,838		
1.3.084.94.020.03 - UMS.1253: AC: ALLOC CONTING	4,808,706	4,808,706	0	0	0	0	4,808,706	54	
85 - CHINATOWN STATION (CTS) - WORK PACKAGE 1254	247,567,810	247,567,810	95,018,031	3,969,639	1,841,588	96,859,619	150,708,191		
1.3.085.04.010.07 - CTS.1254: GUIDEWAY: UNDERGROUND TUNNEL	76,417,579	76,417,579	12,545,245	3,562,476	801,000	13,346,245	63,071,334		
1.3.085.04.020.03 - CTS.1254: UNDERGROUND STATION	133,001,053	133,001,053	59,437,356	234,472	813,897	60,251,253	72,749,800		
1.3.085.04.020.07 - CTS.1254: ELEVATORS ESCALATOR	6,812,856	6,812,856	1,050,001	50,000	62,500	1,112,501	5,700,355		
1.3.085.04.040.01 - CTS.1254: DEMOLITION CLEARING	400,000	400,000	400,000	0	0	400,000	0		
1.3.085.04.040.02 - CTS.1254: SITE UTILITIES UTIL	6,001,718	6,001,718	4,381,586	100,000	146,500	4,528,086	1,473,632		
1.3.085.04.040.03 - CTS.1254: HAZARDOUS MATERIALS	350,000	350,000	12,500	0	0	12,500	337,500		
1.3.085.04.040.04 - CTS.1254: ENVIRONMENTAL MITIGA	325,665	325,665	206,064	0	0	206,064	119,601		

[A] Cost Account Description	BUDGET			ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[A] PRIOR Budget (YOE)		[B] April 2016 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
1.3.085.04.040.06 - CTS.1254: PEDESTRIAN/BIKE	15,000		15,000	0	0	0	0	15,000	
1.3.085.04.040.07 - CTS.1254: AUTOMOBILE BUS ACCE	225,677		225,677	19,500	5,000	0	19,500	206,177	
1.3.085.04.040.08 - CTS.1254: TEMPORARY FACILITIES	16,571,322		16,571,322	15,804,762	0	0	15,804,762	766,560	
1.3.085.04.050.02 - CTS.1254: TRAFFIC SIGNALS AND	1,599,593		1,599,593	903,516	17,691	17,691	921,207	678,386	
1.3.085.04.050.03 - CTS.1254: TRACTION POWER SUPPL	4,063,927		4,063,927	227,500	0	0	227,500	3,836,427	
1.3.085.04.050.04 - CTS.1254: TRACTION POWER DISTRIBUTION	124,481		124,481	30,000	0	0	30,000	94,481	
1.3.085.04.050.05 - CTS.1254: COMMUNICATIONS	1,658,938		1,658,938	0	0	0	0	1,658,938	
85 - CHINATOWN STATION (CTS) CMODs	2,602,458		2,602,458	320,489	0	514,039	834,528	1,767,930	55
1.3.085.85.040.01 - CMOD:CTS.1254: POWER POLE	155,956		155,956	148,212	0	0	148,212	7,744	
1.3.085.85.040.02 - CMOD:CTS.1254: SITE UTILITIES UTIL	114,570		114,570	114,570	0	0	114,570	0	
1.3.085.85.040.03 - CMOD:CTS.1254: HAZARDOUS MATERIALS	2,274,225		2,274,225	0	0	514,039	514,039	1,760,186	
1.3.085.85.040.08 - CMOD:CTS.1254: TEMPORARY FACILITIES	57,707		57,707	57,707	0	0	57,707	0	
1.3.085.95.020.03 - CTS.1254: AC: ALLOC CONTING	2,322,542		2,322,542	0	0	0	0	2,322,542	56
86 - YERBA BUENA MOSCONE STATION (YBM) - WORK PACKAGE 1255	158,089,000		158,089,000	82,590,672	939,349	1,202,783	83,793,455	74,295,545	
1.3.086.05.020.03 - YBM.1255: UNDERGROUND STATION	119,048,929		119,048,929	60,049,528	899,700	1,415,395	61,464,923	57,584,005	
1.3.086.05.020.07 - YBM.1255: ELEVATORS ESCALATOR	5,333,287		5,333,287	804,611	0	0	804,611	4,528,676	
1.3.086.05.040.01 - YBM.1255: DEMOLITION CLEARING	657,000		657,000	657,000	0	0	657,000	0	
1.3.086.05.040.02 - YBM.1255: SITE UTILITIES UTIL	6,520,189		6,520,189	5,735,219	30,000	0	5,735,219	784,971	
1.3.086.05.040.03 - YBM.1255: HAZARDOUS MATERIALS	2,629,439		2,629,439	1,499,572	0	(107,346)	1,392,226	1,237,213	
1.3.086.05.040.04 - YBM.1255: ENVIRONMENTAL MITIGA	100,000		100,000	59,476	0	25,000	84,476	15,524	
1.3.086.05.040.06 - YBM.1255: PEDESTRIAN/BIKE	16,665		16,665	1	0	0	1	16,664	
1.3.086.05.040.07 - YBM.1255: AUTOMOBILE BUS ACCE	1,542,725		1,542,725	491,401	0	0	491,401	1,051,324	
1.3.086.05.040.08 - YBM.1255: TEMPORARY FACILITIES	15,564,753		15,564,753	12,332,765	(8,033)	(147,948)	12,184,817	3,379,936	
1.3.086.05.050.02 - YBM.1255: TRAFFIC SIGNALS AND	1,726,492		1,726,492	898,798	17,682	17,682	916,480	810,012	
1.3.086.05.050.03 - YBM.1255: TRACTION POWER SUPPL	3,708,425		3,708,425	59,800	0	0	59,800	3,648,625	
1.3.086.05.050.05 - YBM.1255: COMMUNICATIONS	1,241,096		1,241,096	2,501	0	0	2,501	1,238,595	
86 - YERBA BUENA MOSCONE STATION (YBM) CMODs	(1,216,653)		(1,216,653)	252,654	0	350,275	602,929	(1,819,582)	
1.3.086.86.040.02 - CMOD:YBM.1255: SITE UTILITIES UTIL	614,038		614,038	249,476	0	350,275	599,751	14,287	
1.3.086.86.040.08 - CMOD:YBM.1255: TEMPORARY FACILITIES	(1,830,691)		(1,830,691)	3,178	0	0	3,178	(1,833,869)	
1.3.086.96.020.03 - YBM.1255: AC: ALLOC CONTING	6,216,654		6,216,654	0	0	0	0	6,216,654	57
87 - SURFACE TRACKWORK AND SYSTEMS -WORK PACKAGE 1256	139,989,000		139,989,000	37,045,337	856,864	449,283	37,494,620	102,494,380	
1.3.087.09.010.02 - STS.1256: GUIDEWAY: AT-GRADE SEMI-EXCLUSIVE (ALLOWS CROS	2,860,000		2,860,000	145,000	0	0	145,000	2,715,000	
1.3.087.09.010.06 - STS.1256: GUIDEWAY: UNDERGROUND CUT & CVR	10,274,450		10,274,450	412,501	0	0	412,501	9,861,949	
1.3.087.09.010.07 - STS.1256: GUIDEWAY: UNDERGROUN	16,510,764		16,510,764	1,180,733	9,000	75,000	1,255,733	15,255,031	
1.3.087.09.010.09 - STS.1256: TRACK DIRECT FIXATION	6,761,089		6,761,089	2,596,871	140,000	10,000	2,606,871	4,154,219	
1.3.087.09.010.12 - STS.1256: TRACK: SPECIAL	4,449,637		4,449,637	2,618,600	0	0	2,618,600	1,831,037	
1.3.087.09.020.01 - STS.1256: AT-GRADE STATION	6,673,138		6,673,138	1,309,034	400	11,781	1,320,815	5,352,323	
1.3.087.09.040.02 - STS.1256: SITE UTILITIES, UTILITY RELOCA	17,509,893		17,509,893	8,505,488	493,950	178,842	8,684,330	8,825,563	
1.3.087.09.040.03 - STS.1256: HAZARDOUS MATERIALS	200,000		200,000	183,626	0	0	183,626	16,374	
1.3.087.09.040.04 - STS.1256: ENVIRONMENTAL MITIGATION	50,000		50,000	50,000	50,000	0	50,000	0	
1.3.087.09.040.07 - STS.1256: AUTOMOBILE BUS ACCE	2,116,925		2,116,925	39,001	0	0	39,001	2,077,924	
1.3.087.09.040.08 - STS.1256: TEMPORARY FACILITIES	13,850,984		13,850,984	10,101,423	15,600	58,000	10,159,423	3,691,561	
1.3.087.09.050.01 - STS.1256: TRAIN CONTROL AND SIGNALS	27,543,451		27,543,451	5,992,263	42,060	19,250	6,011,513	21,531,938	
1.3.087.09.050.02 - STS.1256: TRAFFIC SIGNALS AND	4,485,368		4,485,368	2,256,931	9,454	84,784	2,341,715	2,143,653	
1.3.087.09.050.03 - STS.1256: TRACTION POWER SUPPL	9,911,014		9,911,014	810,640	48,000	0	810,640	9,100,374	
1.3.087.09.050.04 - STS.1256: TRACTION POWER DISTRIBUTION	6,099,675		6,099,675	799,225	48,400	4,126	803,351	5,296,324	

[A] Cost Account Description	BUDGET		ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[A] PRIOR Budget (YOE)	[B] April 2016 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
1.3.087.09.050.05 - STS.1256: COMMUNICATIONS	8,028,025	8,028,025	44,000	0	7,500	51,500	7,976,525	
1.3.087.09.050.07 - STS.1256: CENTRAL CONTROL	2,664,586	2,664,586	1	0	0	1	2,664,585	
87 - SURFACE TRACKWORK AND SYSTEMS (STS) CMODs	1,355,901	1,355,901	538,727	0	18,219	556,946	798,955	
1.3.087.89.040.02 - CMOD:STS.1256: SITE UTILITIES, UTILITY RELOCA	305,378	305,378	305,378	0	0	305,378	0	
1.3.087.89.040.03 - CMOD:STS.1256: HAZARDOUS MATERIALS	18,221	18,221	0	0	18,219	18,219	2	
1.3.087.89.040.08 - CMOD:STS.1256: TEMPORARY FACILITIES	1,032,302	1,032,302	233,349	0	0	233,349	798,953	
1.3.087.99.020.01 - STS.1256: AC: ALLOC CONTING	3,644,098	3,644,098	0	0	0	0	3,644,098	58
141 - CONSTRUCTION ADMINISTRATION	2,956,812	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					2,956,812	
142 - LEGAL/PERMITS	2,014,204	2,014,204	0	0	0	0	2,014,204	
1.3.142.01.080.06 - LGL.PRMTSF:LEGAL; PERMITS	2,014,204	2,014,204	0	0	0	0	2,014,204	
144 - STARTUP	8,300,329	8,300,329	0	0	0	0	8,300,329	
1.3.144.01.080.08 - STRT: STARTUP	6,941,907	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					1,358,422	
151 - TEMPORARY LICENSE AGREEMENT	17,000	17,000	0	0	0	0	17,000	
1.3.151.01.080.06 - TEMP.LICPORARY LICENSE AGREEME	17,000	17,000	0	0	0	0	17,000	
170 - COMMUNICATIONS CONNECTIONS	5,757,629	5,757,629	0	0	0	0	5,757,629	
1.3.170.01.050.04 - COMM.CONNN:COMMUNICATION CONN	5,757,629	5,757,629	0	0	0	0	5,757,629	
181 - AON RISK INSURANCE CS 163	18,113,750	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	18,088,750	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	25,000	0	0	25,000	0	
191 - FARE COLLECTION CONTRACTOR	5,400,000	5,400,000	0	0	0	0	5,400,000	
1.3.191.01.050.06 - FARE.CONSUL:FARE COLLECTION	5,400,000	5,400,000	0	0	0	0	5,400,000	
192 - THALES T&S CENTRAL CONTROL	487,972	487,972	50,000	0	0	50,000	437,972	
1.3.192.01.050.01 - THALES T&S ATCS	487,972	487,972	50,000	0	0	50,000	437,972	
202 - JOC2-022.0	63,938	63,938	0	0	0	0	63,938	
1.3.202.01.040.02 - JOC2-022:15&22 POTHOLING UTIL1 LGHT FNDS	63,938	63,938	0	0	0	0	63,938	
203 - JOC2-029.0	53,317	53,317	0	0	0	0	53,317	
1.3.203.07.040.02 - JOC0292-029: RELOCATE VAULTS-S	53,317	53,317	0	0	0	0	53,317	
302 - PG&E	1,988,173	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)	(2,350,000)	0	0	0	0	(2,350,000)	
1.3.302.03.050.03 - PGE POWER FEED UMS	2,959,826	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)	(2,350,000)	0	0	0	0	(2,350,000)	
1.3.302.04.050.03 - PGE POWER FEED CTS	2,959,826	2,959,826	0	0	0	0	2,959,826	
1.3.302.05.050.03 - PGE PERMANENT POWER YBM	(2,368,540)	(2,368,540)	0	0	0	0	(2,368,540)	
1.3.302.05.050.03 - PGE POWER FEED YBM	3,125,222	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	11,839	0	0	0	0	11,839	
331 - BAY AREA RAPID TRANSIT (BART)	951,356	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	0	33,152	0	0	33,152	(33,152)	
1.3.331.01.080.06 - CM: BAY AREA RAPID TRANSIT (BART) [122A]	951,356	951,356	27,304	0	0	27,304	924,052	
333 - AMERICAN PUBLIC TRANSP. ASSOCIATION (APTA) CS-APTA	146,500	146,500	54,612	0	0	54,612	91,888	
1.3.333.01.080.03 - APTA:APTA - IRP [2G]	46,500	46,500	27,304	0	0	27,304	19,196	
1.3.333.01.080.03 - APTA:APTA - IRP [2C]	100,000	100,000	27,308	0	0	27,308	72,692	
334 - BART FARE COLLECTION SYSTEM	700,000	700,000	0	0	0	0	700,000	

[A] Cost Account Description	BUDGET		ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[A] PRIOR Budget (YOE)	[B] April 2016 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
1.3.334.01.050.06 - BART:BART FARE COLLECTION EQP	700,000	700,000	0	0	0	0	700,000	
401 - ECONOMIC AND WORKFORCE DEVELOPMENT (EWD)	17,600	17,600	17,600	0	0	17,600	0	
1.3.401.01.080.04 - EWD: MAYORS OFFICE ECON DEV	17,600	17,600	17,600	0	0	17,600	0	
402 - DEPARTMENT OF TECHNOLOGY	242,371	242,371	237,534	0	0	237,534	4,837	
1.3.402.07.050.04 - DT:1UTL:COMM. CONNECTIONS	166,756	166,756	166,179	0	0	166,179	577	
1.3.402.08.050.04 - DT:2UTL:COMM.CONNECTIONS	75,615	75,615	71,354	0	0	71,354	4,261	
404 - DEPARTMENT OF BUILDING INSPECTION (DBI)	1,204,081	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	1,204,081	0	0	1,204,081	0	
491 - FORM B - REIMBURSEMENT	(12,227,954)	(12,227,954)	0	0	0	0	(12,227,954)	
1.3.491.02.040.02 - FORMB - CONTRACT 1252 UTILITY REIMBUR	(254,050)	(254,050)	0			0	(254,050)	59
1.3.491.03.040.02 - FORMB - UMS:CONTRACT 1300 UTILITY REIMBURSEMENT	(528,370)	(528,370)	0			0	(528,370)	60
1.3.491.04.040.02 - FORMB - CTS:CONTRACT 1300 UTILITY REIMBURSEMENT	(451,703)	(451,703)	0			0	(451,703)	61
1.3.491.05.040.02 - FORMB - YBM:CONTRACT 1300 UTILITY REIMBURSEMENT	(100,000)	(100,000)	0			0	(100,000)	62
1.3.491.06.040.02 - FORMB - CONTRACT 1300 UTILITY REIMBUR	0	0	0			0	0	63
1.3.491.07.040.02 - FORMB - CONTRACT 1250 UTILITY REIMBUR	(2,275,419)	(2,275,419)	0			0	(2,275,419)	64
1.3.491.08.040.02 - FORMB - CONTRACT 1251 UTILITY REIMBUR	(7,618,412)	(7,618,412)	0			0	(7,618,412)	65
1.3.491.09.040.02 - FORMB - STS:CONTRACT 1300 UTILITY REIMBURSEMENT	(1,000,000)	(1,000,000)	0			0	(1,000,000)	66
TOTAL CONSTRUCTION PHASE	1,328,140,481	1,328,140,481	725,332,696	10,606,243	11,069,867	736,402,563	591,709,802	
1.4.091.01.070.01 - LRVS: LIGHT RAIL VEHICLES RFP [34B]	1,325,000	1,325,000	1,319,773	0	0	1,319,773	5,227	
1.4.091.01.070.01 - LRVS: LIGHT RAIL VEHICLES PROJECT MGT [68E]	827,132	827,132	827,431	0	502	827,933	(801)	
1.4.091.01.070.01 - LRVS: LRV PROCUREMENT ODC	25,000	25,000	0	0	0	0	25,000	
1.4.091.01.070.01 - LRVS: LRV PROCUREMENT	11,131,868	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					13,076,653	21
TOTAL VEHICLES	26,385,653	26,385,653	2,147,204	0	502	2,147,706	24,237,947	
1.5.015.01.060.01 - RE: EASEMENT ACQUISIT	400,000	400,000	322,939	0	0	322,939	77,061	
1.5.015.01.060.01 - RE: REAL EST SITE ACQ	16,523,400	16,523,400	14,307,667	0	0	14,307,667	2,215,733	
1.5.015.01.060.01 - RE: REAL ESTATE	750,000	750,000	766,272	0	0	766,272	(16,272)	
1.5.015.01.060.01 - RE: REC & PARK MOU	6,987,624	6,987,624	6,987,624	0	0	6,987,624	0	
1.5.015.01.060.01 - RE:-DEPT OF TRANSPOR	2,686,000	2,686,000	2,686,000	0	0	2,686,000	0	
1.5.015.01.060.01 - RE:-LICENSES FEES	400,000	400,000	381,311	0	0	381,311	18,689	
1.5.015.97.060.01 - RE:A:AC: RE: REAL ESTATE ALLO	5,265,478	5,265,478					5,265,478	
1.5.023.01.060.01 - ATTY:REAL ES	2,212,882	2,212,882	2,678,858	0	0	2,678,858	(465,976)	
1.5.101.01.060.02 - RES.RELO: RELOCATION COST	1,275,200	1,275,200	1,289,701	0	0	1,289,701	(14,501)	
1.5.102.01.060.02 - COMM.RELO-RELOC COMMERCIAL	905,311	905,311	1,119,729	0	0	1,119,729	(214,418)	
TOTAL ROW, LAND, EXISTING IMPROVEMENTS	37,405,895	37,405,895	30,540,101	0	0	30,540,101	6,865,794	
90 - CONTINGENCY	80,150,845	80,150,845					80,150,845	
1.7.500.91.090.00 - UNALLOCATED CONTINGENCY	24,749,924	24,749,924					24,749,924	67
TOTAL ALLOCATED CONTINGENCY	55,400,921	55,400,921					55,400,921	
TOTAL PROJECT COST	1,578,300,001	1,578,300,001	918,869,527	10,606,243	11,070,369	929,939,896	648,331,990	

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

7.4 Contingency Management Trend Report	
15	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.

16	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.
17	Contract 1252 Original Contract Value "column a" and Original Contingency "column f" did not match September 2013 Supplemental due to Supplemental were used the revised value to reflect Contract Modifications #3-#18. Reduced Contract 1252 contingency to reflect CMod #20 for retrieval shaft relocation cost \$5.15M funded by CPT690, CMod #40 for Culvert, Street & Sidewalk Restoration cost \$694,651 funded by Traffic Effectiveness Project (TEP), and CMod #41 for install 24" Water Main in North Beach cost \$328,860 funded by SFPUC. In August 2015 report, release \$15M CN1252 Tunnel assigned contingency to program unallocated contingency. In March 2106 report, reduced Contract 1252 contingency by \$377,435 cost to reflect certification of five CMODS. CMod#49, #52 and #53 total \$221,967 are funded by CPS. CMod#51 Support for North Beach Restoration, OCS and Streetlighting cost of \$155,468 is being funded by TEP. Released \$155,468 CN1252 allocated contingency to program's unallocated contingency.
18	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.
19	In March 2016 Report, lowered Contract 1300 Stations CTS contingency by \$75,000 because Contract Modification #6 was funded by Project CPT718. The \$75,000 has been transferred to program's unallocated contingency.
20	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 allocated to ROW allocated contingency.
21	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.
22	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. In August 2015 Report, added \$15M from Contract 1252. In March 2016 Report, the \$155,468 costs funded by other project offset credits and \$75K funded by CPT718 added to program's unallocated contingency.
23	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.
24	Estimate at Completion is shown at Column "e".
25	Estimate at Completion vs. Budget variance is shown at Column "k".

7.5 Contract Modification/Trend Log - Contract 1300 Stations

26	Reported all trend cost for Contractor Change Order Requests and Proposed Contract Change and applied probability to forecasted trends. In April 2016 Report, reviewed probability formula and adjusted cost.
----	---

7.6 Budget Revisions: Report Sorted by Construction Packages

27	In Dec 2014 Report, reduced CN1252 allocated contingency by \$28K to excute Contract Modification #46, see Report 7.5 Detail Contingency Usage Report. In August 2015 report, release \$15M CN1252 Tunnel assigned contingency to program unallocated contingency. In March 2016 report, five contract modifications certified totaling \$377,435 of which \$155,468 is using another source of funding. Released \$155,648 from CN1252 Tunnel assigned contingency to program unallocated contingency.
28	In March 2016 Report, lowered Contract 1300 Stations CTS contingency by \$75,000 because Contract Modification #6 was funded by Project CPT718. The \$75,000 has been transferred to program's unallocated contingency. Refer to Report Note #19
29	Budget for Soil Process contract.
30	Program contingency increased by \$5,265,478. Refer to Report Note #20.
31	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.
32	In April 2015 report, program contingency decreased by \$500,000. Refer to Reports #20. In August 2015 report, release \$15M CN1252 Tunnel assigned contingency to program unallocated contingency. In March 2016 report, released \$155,468 from Contract 1252 Tunnel assigned contingency and \$75,000 from Contract 1300 Stations assigned contingency totaling \$230,956.

7.9 Detail Monthly Expenditure Report

Phase 1 Preliminary Engineering	
33	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.

Phase 2 Design Phase	
34	Famis cost adjustment to transfer Project Management cost from July 2013 to Phase 3 Construction Phase.
35	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.
36	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]

37	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]
38	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]
39	AVA Cost \$395,204 is reported in Phase 2 Final Design 1.2.066.01.080.03
40	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]
41	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]
42	1.2.073.01.080.02 - FD:FINAL DESIGN-DP3 [35CPT5441236.CPT5441236]: FAMIS: \$11,502,372 COST REPORT: \$11,432,312 COST TRANSFER: \$70,060 to 1.3.073.01.080.04 - CM: DP3 [35CPT5441236.CPT5441236]

Phase 3 CONSTRUCTION PHASE	
43	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
44	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
45	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]

46	Used \$500K program contingency for CS-175 Bayland Soil Process contract. Refer to Report Notes #20.
47	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]
48	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]
49	Contract 1251 Final cost is \$20,794,582.
50	In March 2016, contract 1252 modifications budget and actuals have been realigned and adjusted to reflect actuals costs.
51	In March 2016, contract 1252 modifications budget and actuals have been realigned and adjusted to reflect actuals costs.
52	In July 2015 Report, used Contract 1300 Contractor schedule to report budget and actual cost. The Standard Cost Categories (SCC) allocation changed from previous reports. In August 2015 Report, adjusted some of Contract 1300 Contractor SCC assignment to match most of previous SCC assignment. In March 2016, \$75,000 Cmod#6 subtracted from CN1300 Stations contingency (using CPT718 funding) and transferred to Program contingency; this lead to the total CN1300 Station budget being lowered.
53	Revised Contract 1252 allocated contingency SCC code from 040.08 to 010.07.
54	Revised Contract 1300/UMS allocated contingency SCC code from 040.08 to 020.03.
55	In March 2016 Report, reduced Contract 1252 contingency by \$377,435 cost to reflect certification of five CMODS.
56	Revised Contract 1300/CTS allocated contingency SCC code from 040.08 to 020.03.
57	Revised Contract 1300/YBM allocated contingency SCC code from 040.08 to 020.03.
58	Revised Contract 1300/STS allocated contingency SCC code from 040.08 to 020.01.
59	Revised Form B Reimbursements SCC code from 900.01 to 040.02
60	Revised Form B Reimbursements SCC code from 900.01 to 040.02
61	Revised Form B Reimbursements SCC code from 900.01 to 040.02
62	Revised Form B Reimbursements SCC code from 900.01 to 040.02
63	Revised Form B Reimbursements SCC code from 900.01 to 040.02
64	Revised Form B Reimbursements SCC code from 900.01 to 040.02
65	Revised Form B Reimbursements SCC code from 900.01 to 040.02
66	Revised Form B Reimbursements SCC code from 900.01 to 040.02
67	Increase Program contingency \$1,023,508. Refer to Report Notes #11 and #12. In April 2015 report, program contingency decreased by \$500,000. Refer to Report Notes #20. In August 2015 report, release \$15M CN1252 Tunnel assigned contingency to program unallocated contingency. In March 2016 report, program unallocated contingency increased by \$230,468.

Appendix B

DETAIL SCHEDULE REPORTS

SCHEDULE HIGHLIGHTS

The Master Project Schedule (MPS) below includes progress through April 2016. The April 2016 Schedule Update submittal from Contract 1300 Contractor is rejected due to incorrect schedule logic. The Contract 1300 schedule represented in this report is based on the SFMTA April 2016 Schedule Update. The Program is continuing to working with the CN-1300 Contractor to mutually agree on Actual Dates for work performed.

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

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

Schedule Contingency is fully utilized on the critical path of the MPS, which is below the Minimum Schedule Contingency level of 6 months. A schedule re-evaluation will be performed, utilizing the updated Contract 1300 Schedule. Recovery options are being implemented in key areas as work proceeds. SFMTA continues to meet with Contractor to discuss all schedule concerns and comments. The Contractor, Tutor Perini Corporation's (TPC) April 2016 schedule shows 6 calendar days of delay on the longest Critical Path through the Chinatown Station compared to the March 2016 Schedule Update. Contractor started activity Break-In & construct Top Side Wall & Headwall Right – Cross Cut Cavern China Town Sta. 6 calendar days later than planned in the March 2016 Schedule Update, thereby adding 6 calendar days of negative float to Project Final Completion. This 6 calendar day delay results in the forecast Revenue Service Date slipping from May 2019 as reported last month to June 2019.

Contract 1300 Contractor submitted seventeen (17) Schedule Updates from December 2014 to April 2016. SFMTA rejected eight (8) Schedule Updates from September 2015 to April 2016. Contractor has been directed to develop a Recovery Schedule as required by Contract and correct out-of-sequence and Retained Logic driving many of the forecast dates. Review of schedule updates as well as identifying recovery options is ongoing.

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

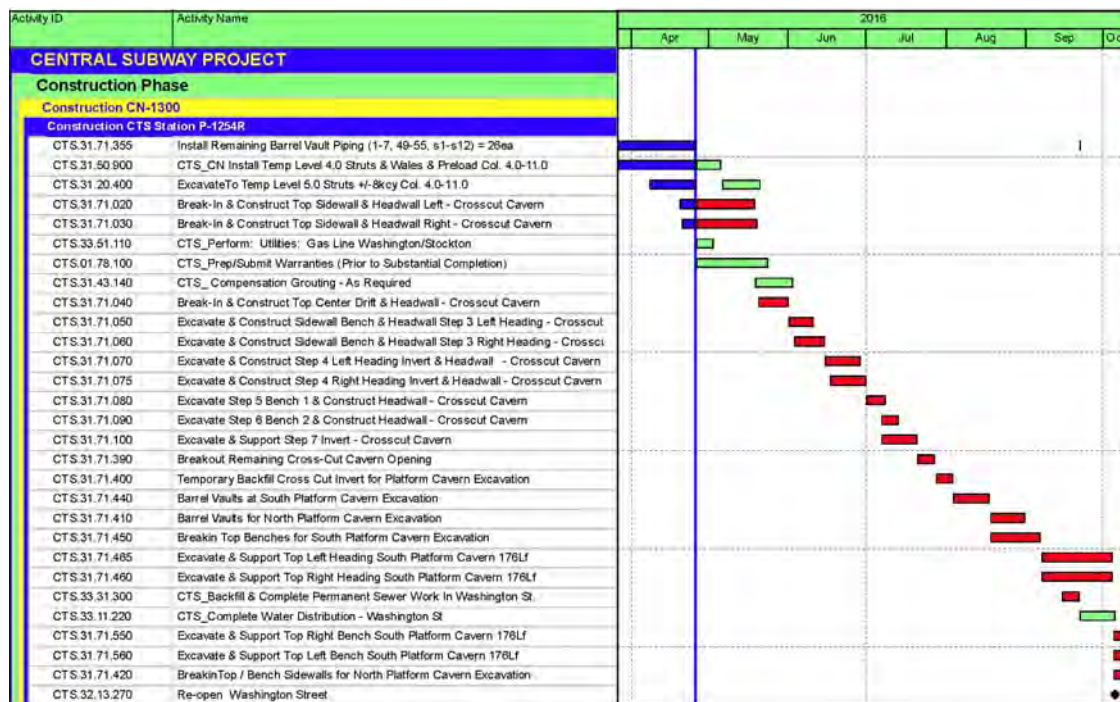
The Contractor, Tutor Perini Corporation's (TPC) baseline schedule is incorporated into the master program. The preliminary SFMTA Contract 1300 April 2016 schedule is used in April Report. The SFMTA Contract 1300 April 2016 schedule is based on the approved baseline schedule logic with adjustments made for fixing Retained Logic and lags. The SFMTA is developing their own Contract 1300 as-built schedule update. SFMTA met with the Contract 1300 Contractor on 4/28/16 to review draft monthly schedule update. It will take partnering effort with the Contractor, Tutor Perini Corporation's (TPC) to validate the prior 32 SFMTA monthly as-built schedules (JUN13 thru FEB16). The SFMTA will continue to use their Contract 1300 schedule update as a forecasting tool going forward until the Contract 1300 Contractor submits an acceptable schedule that addresses all of SFMTA scheduling concerns.

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

- Head house- excavate to Temp Level 5.0 Struts; install Walers and Struts Level 5
- Cross Cut Cavern: Begin tunneling under Stockton Street
- Incidental street work, monitoring, surveying
- North Emergency Egress Shaft – excavation begins mid-May

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

- Crosscut Cavern: continue tunneling under Stockton Street
- Compensation grouting may take place
- Head house – Complete Level 5 bracing. Excavate to Temp Level 6 Struts



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

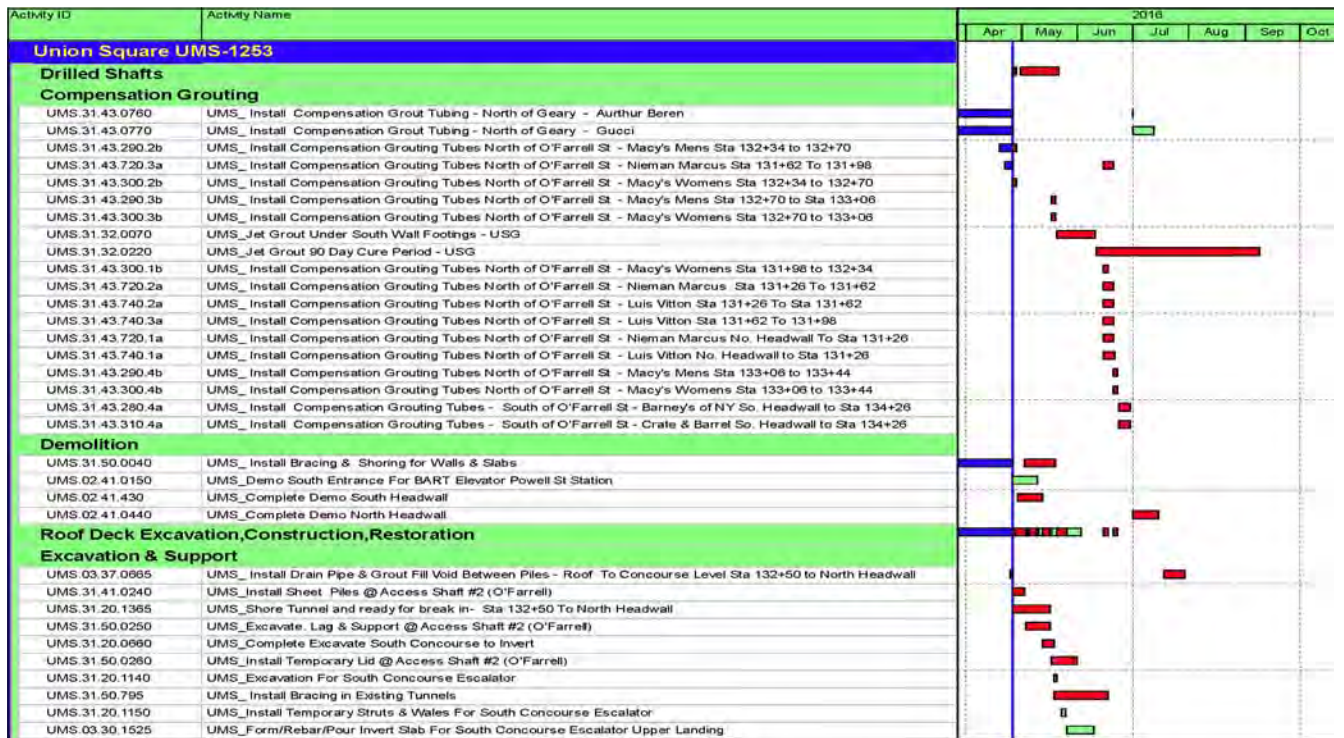
- North Concourse: Complete installation of PG&E electric line and cut over one service connection on the east side. Backfill and install paving. Below deck: precondition compensation grout pipes. Chip beams and expose piles. Install shotcrete leveling course.
- Platform Station: Install excavation support for roof deck section 5B-11R. Chip/expose/repair piles, set/weld deck beams, and install steel decking and studs. Continue installing jet grout columns.
- South Concourse: Excavate/grade for concourse invert slab, chip/prepare piles for stub beams and vertical drain slot, fine grade/install base and slab drain pipes, form and pour

mud slab. Install waterproofing.

- Ellis Annex: Remove and replace seismic joint, water test seismic joint, install waterproofing, grout protection course and lightweight concrete.
- UMS Garage: Continue and complete demolition at Levels 2 and Level 3; commence underpinning work

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

- North Concourse: Chip pile construction, install benches, rebar mesh & shotcrete leveling course; install permanent struts & wales on Concourse level; excavate HVAC duct chase invert, walls and lid; install W-section piles reinforcement
- Platform Station: Continue to chip/expose/repair piles, set/weld deck beams, and install steel decking and studs. Continue installing jet grout columns.
- South Concourse: Complete excavate South Concourse to invert
- Demo south entrance for BART elevator Powell Street Station
- UMS Garage: Commence Demolition of 17-Line wall between USG and North Concourse. Continue FRP B-line wall

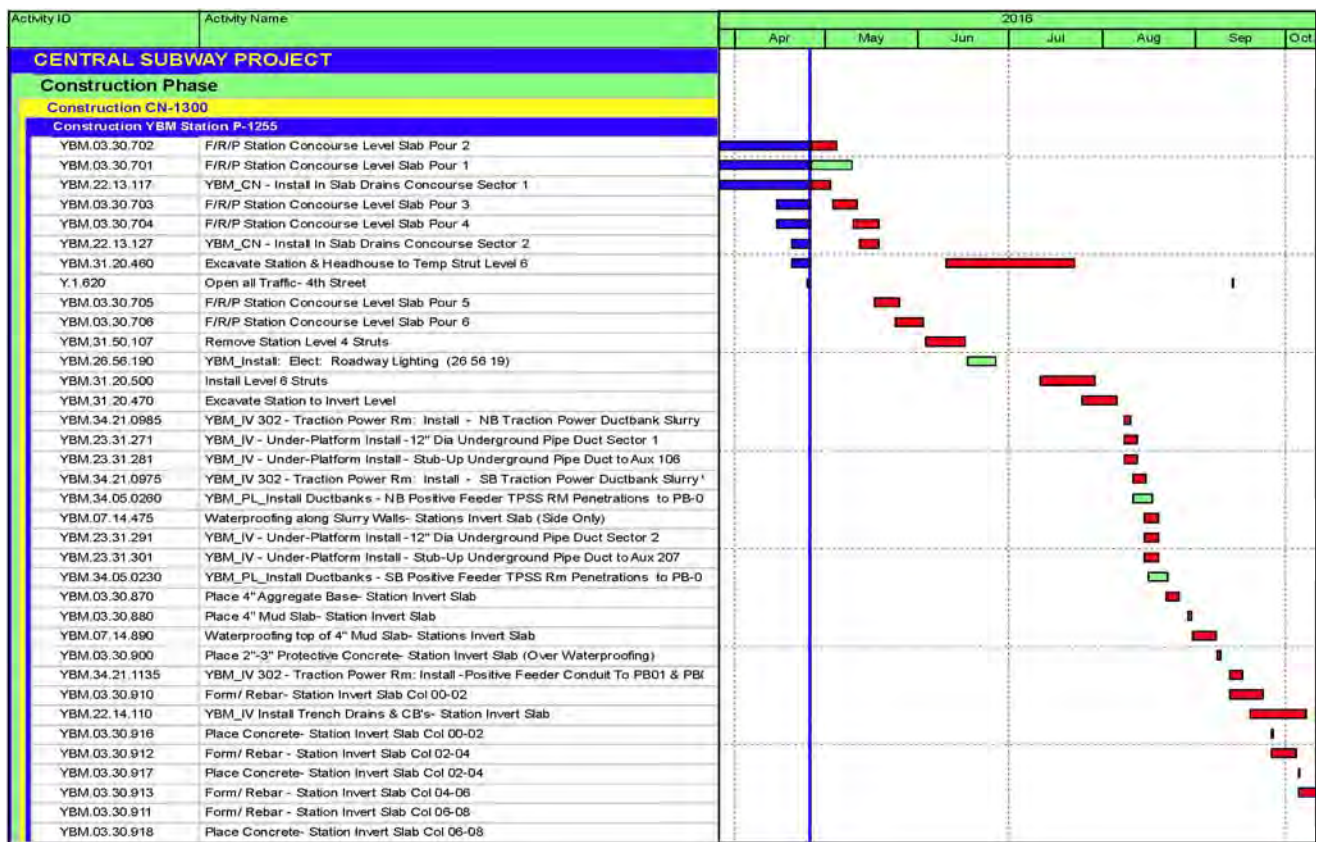


Work Package P-1255 (YBM) has performed the following work this month:

- Continue excavation and temporary bracing installation in head house and station box, including excavation to allow completion of Concourse level slab installation
- Concourse level concrete pour 2 of 3 completed
- Install in slab drains Concourse sector 2
- Continue utility installation on 4th Street north of the north headwall and on Folsom Street

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

- Continue excavation and temporary bracing installation in head house and station box, including excavation to allow Concourse level slab installation
- Concourse level concrete pour 3 of 3
- Remove station Level 4 Struts; begin excavation of Station & Head house to Temp Strut Level 6
- Continue utility installation on 4th Street north of the north headwall and on Folsom Street

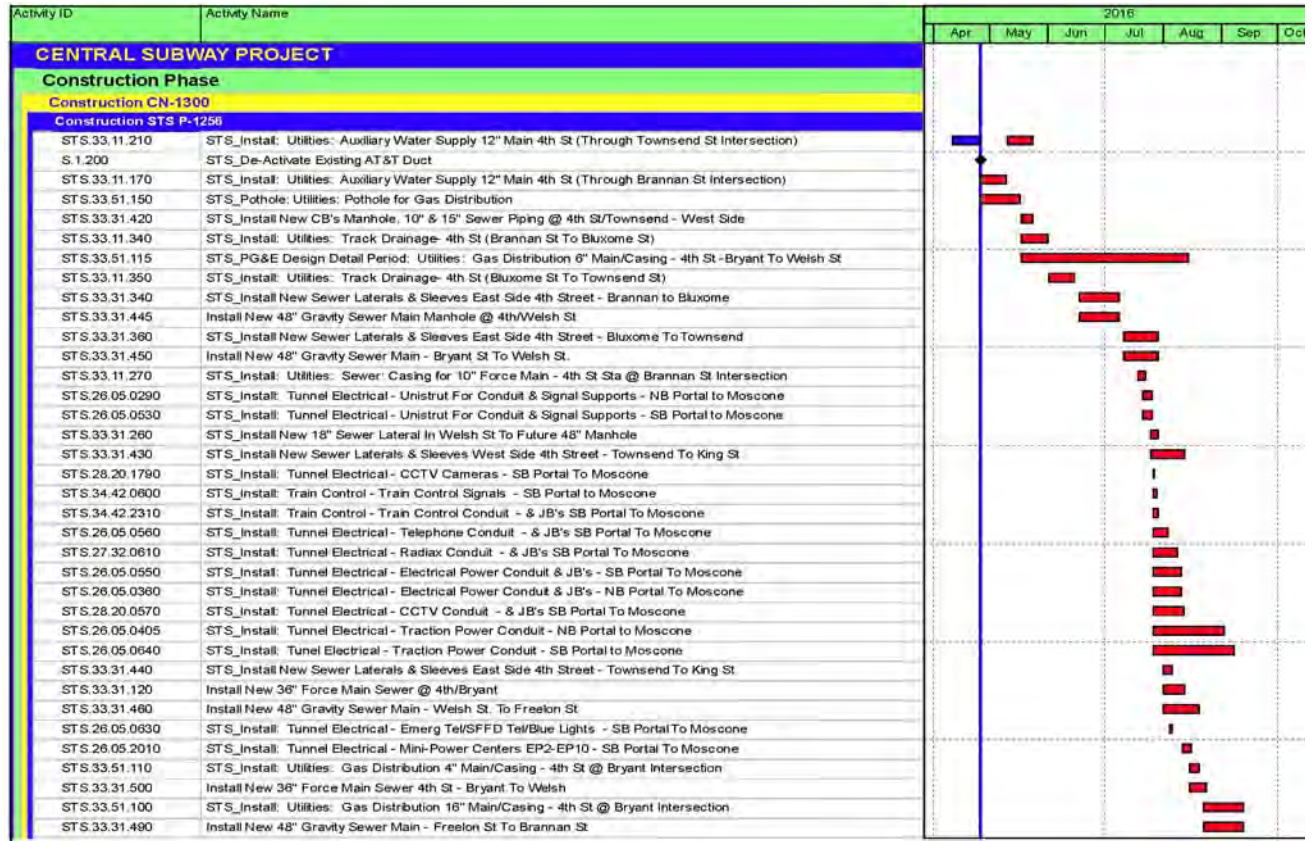


Work Package P-1256 (STS) has performed the following work this month:

- Continue Muni ductbank installation
- Continue 78" sewer rehabilitation
- Continue 36" sewer force main
- Continue Auxiliary Water Supply System (AWSS) installation
- Continue water line work
- Continue AT&T cutover
- Continue tunnel prep work
- Continue OCS pole foundation installation
- Start tunnel drainage system installation
- Start tunnel invert slab work

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

- Continue 78" sewer rehabilitation
- Continue MRY ductbank and vault installation
- Continue 36" sewer force main
- Continue AWSS installation
- Continue waterline installation
- Continue OCS pole foundation installation
- Complete AT&T cutover
- Continue tunnel drainage system installation
- Continue tunnel invert slab work



SCHEDULE REVISIONS

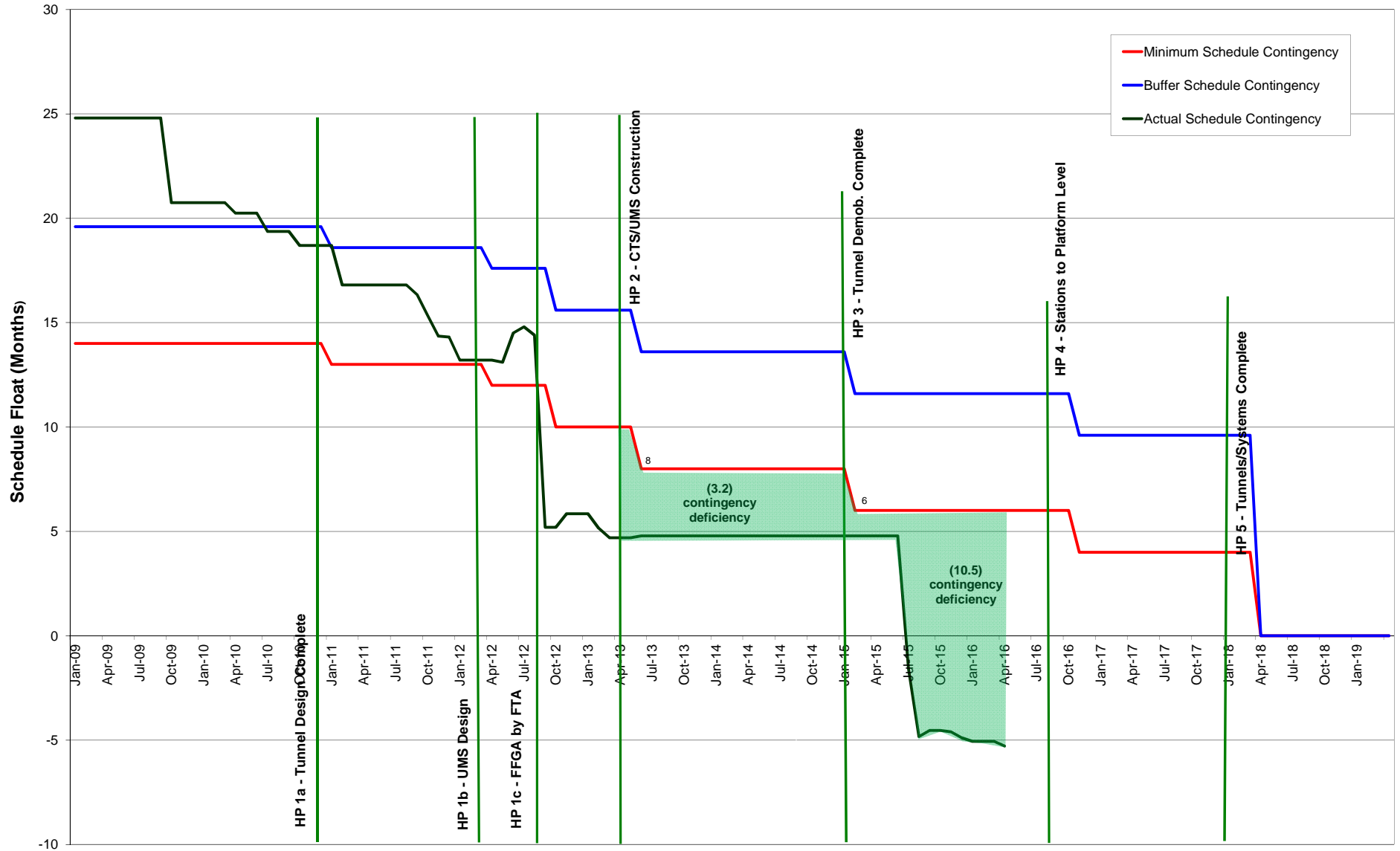
The SFMTA Contract 1300 April 2016 schedule update was added this period to the Central Subway Project Master Schedule.

LIST OF SCHEDULE REPORTS

- 1.1. Schedule Contingency Drawdown
- 1.2. Master Summary Schedule
- 1.3. Program Critical Path Schedule
- 1.4. Construction Contract Summary Schedule
- 1.5. Detail Schedule for Remaining Work

CENTRAL SUBWAY PROJECT Schedule Contingency Drawdown

APRIL 2016



Activity ID	Activity Name	Original Duration	Start	Finish	2016				2017				2018				2019				2020		
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
CENTRAL SUBWAY PROJECT		4062	06/03/03 A	06/05/19	CENTRAL SUBWAY PROJECT																		
Program Level Milestones		4173	06/03/03 A	06/05/19	Program Level Milestones																		
PJD1000	Central Subway Project Start	0	06/03/03 A																				
MS0004A	Tunnel Excavation Complete - Project Milestone #4A	0		09/05/14 A	Milestone #4A																		
MS0019	Baseline Finish Date: 12-26-2018	0		06/05/19*	◆ Baseline Finish Date: 12-26-2018																		
MS0009	CSP Revenue Service Date	0		06/05/19*	◆ CSP Revenue Service Date																		
Preliminary Engineering Phase		2661	06/03/03 A	01/07/10 A																			
Final Design		1811	01/08/10 A	06/17/13 A																			
Light Rail Vehicles		2005	04/15/13 A	10/10/18	Light Rail Vehicles																		
Real Estate		3130	08/01/08 A	04/26/16	Real Estate																		
Construction Phase		2372	01/04/10 A	06/05/19	Construction Phase																		
Construction Support and Costs		2697	01/04/10 A	05/28/19	Construction Support and Costs																		
Construction Utility Contract #1- MOS & Portal CN-1250		505	01/04/10 A	05/23/11 A																			
Construction Utility Contract #2 - UMS CN-1251		643	01/12/11 A	10/15/12 A																			
Construction Tunnels CN-1252		1415	06/08/11 A	04/27/16	Construction Tunnels CN-1252																		
Construction CN-1300		1444	06/03/13 A	03/18/19	Construction CN-1300																		
CN- 1300 Milestone		1444	06/17/13 A	03/18/19	CN- 1300 Milestone																		
Construction UMS Station P-1253		1386	06/17/13 A	12/19/18	Construction UMS Station P-1253																		
Construction CTS Station P-1254R		1386	06/17/13 A	12/19/18	Construction CTS Station P-1254R																		
Construction YBM Station P-1255		1386	06/10/13 A	12/19/18	Construction YBM Station P-1255																		
Construction STS P-1256		1444	06/03/13 A	03/18/19	Construction STS P-1256																		
Project Start Up		115	12/18/18	06/05/19	Project Start Up																		
Unallocated Contingency		115	12/18/18	06/05/19	Unallocated Contingency																		
CO1.700	Cost Activity Unallocated Contingency (LOE) - 1.7.500.99.090.00 - Contingency	115	12/18/18	06/05/19	Cost Activity Unallocated Contingency (LOE)																		

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	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
CENTRAL SUBWAY PROJECT						797	04/20/16 A	06/05/19	-111																		
Program Level Milestones						115	12/18/18	06/05/19	-111																		
HidPt5	Systems Complete	0		12/18/18	-111																						
MS0019	Baseline Finish Date: 12-26-2018	0		06/05/19*	-111																						
MS0009	CSP Revenue Service Date	0		06/05/19*	-111																						
Construction Phase						797	04/20/16 A	06/05/19	-111																		
Construction CN-1300						741	04/20/16 A	03/18/19	-69																		
CN- 1300 Milestone						59	12/18/18	03/18/19	-170																		
BUF1017	STS Buffer Float- (0)	0	12/18/18	12/18/18	-111																						
STS1500	CN 1300 Substantial Completion	0		12/18/18	-160																						
MS-10	Substantial Completion - 1,700 Calendar Days (SP-4.B) { 10-Feb-18 }	0		12/18/18*	-311																						
C.Punch	Closeout Punchlist/Remaining Work	90	12/19/18	03/18/19	-311																						
MS-20	Final Completion - 1,790 Calendar Days (SP-4C)	0		03/18/19*	-311																						
Construction UMS Station P-1253						71	09/11/18	12/18/18	-10																		
UMS.01.80.9900	UMS- Building Systems Start-up & Testing	61	09/11/18*	12/04/18	0																						
UMS.26.08.9000	UMS_ - Power Commissioning	10	12/05/18	12/18/18	-222																						
UMS.26.08.9020	UMS_ Fire Alarm System Commissioning	10	12/05/18	12/18/18	-222																						
UMS.26.08.9030	UMS_ Lighting System & Lighting Control Commissioning	10	12/05/18	12/18/18	-222																						
UMS.26.08.9040	UMS_ Motor Control Center Commissioning	10	12/05/18	12/18/18	-222																						
Construction CTS Station P-1254R						704	04/20/16 A	12/18/18	-222																		
CTS.31.71.020	Break-In & Construct Top Sidewall & Headwall Left - Crosscut Cavern	20	04/20/16 A	05/18/16	-222																						
CTS.31.71.030	Break-In & Construct Top Sidewall & Headwall Right - Crosscut Cavern	20	04/21/16 A	05/19/16	-222																						
CTS.31.71.040	Break-In & Construct Top Center Drift & Headwall - Crosscut Cavern	7	05/20/16	05/31/16	-222																						
CTS.31.71.050	Excavate & Construct Sidewall Bench & Headwall Step 3 Left Heading - Crosscut Cavern	8	06/01/16	06/10/16	-222																						
CTS.31.71.060	Excavate & Construct Sidewall Bench & Headwall Step 3 Right Heading - Crosscut Cavern	8	06/03/16	06/14/16	-222																						
CTS.31.71.070	Excavate & Construct Step 4 Left Heading Invert & Headwall - Crosscut Cavern	10	06/15/16	06/28/16	-222																						
CTS.31.71.075	Excavate & Construct Step 4 Right Heading Invert & Headwall - Crosscut Cavern	10	06/17/16	06/30/16	-222																						
CTS.31.71.080	Excavate Step 5 Bench 1 & Construct Headwall - Crosscut Cavern	5	07/01/16	07/08/16	-222																						
CTS.31.71.090	Excavate Step 6 Bench 2 & Construct Headwall - Crosscut Cavern	5	07/07/16	07/13/16	-222																						
CTS.31.71.100	Excavate & Support Step 7 Invert - Crosscut Cavern	10	07/07/16	07/20/16	-222																						
CTS.31.71.390	Breakout Remaining Cross-Cut Cavern Opening	5	07/21/16	07/27/16	-222																						
CTS.31.71.400	Temporary Backfill Cross Cut Invert for Platform Cavern Excavation	5	07/28/16	08/03/16	-222																						
CTS.31.71.440	Barrel Vaults at South Platform Cavern Excavation	10	08/04/16	08/17/16	-222																						
CTS.31.71.450	Breakin Top Benches for South Platform Cavern Excavation	13	08/18/16	09/06/16	-222																						
CTS.31.71.465	Excavate & Support Top Left Heading South Platform Cavern 176Lf	20	09/07/16	10/04/16	-222																						
CTS.31.71.460	Excavate & Support Top Right Heading South Platform Cavern 176Lf	20	09/07/16	10/04/16	-222																						
CTS.31.71.550	Excavate & Support Top Right Bench South Platform Cavern 176Lf	10	10/05/16	10/18/16	-222																						
CTS.31.71.560	Excavate & Support Top Left Bench South Platform Cavern 176Lf	10	10/05/16	10/18/16	-222																						
CTS.31.71.580	Excavate & Support Top Left Step 3 Invert South Platform Cavern 176Lf	14	10/19/16	11/07/16	-222																						
CTS.31.71.570	Excavate & Support Top Right Step 3 Invert South Platform Cavern 176Lf	14	10/19/16	11/07/16	-222																						
CTS.31.71.590	CTS- Install Temporary Bracing - Sidewalls (Platform Cavern)	6	11/08/16	11/16/16	-222																						
CTS.31.71.600	Excavate & Support Top Center Drift Step 4 South Platform Cavern 176Lf	18	11/17/16	12/14/16	-222																						
CTS.31.71.610	Excavate & Support Center Bench Step 5 South Platform Cavern 176Lf	11	12/15/16	12/30/16	-222																						
CTS.31.71.620	Excavate & Construct Invert Step 6 South Platform Cavern 176Lf	10	01/03/17	01/16/17	-222																						
CTS.31.71.630	Demo Sidewalls & Repair Headwall South Platform Cavern 176Lf	10	01/17/17	01/30/17	-222																						
CTS.31.71.640	Stage Equipment & Construct Ramp For Crossover Breakin	5	01/31/17	02/06/17	-222																						
CTS.31.71.650	Break-in Crossover Cavern	1	02/07/17	02/07/17	-222																						
CTS.31.71.660	Excavate & Construct Left Sidewall & Headwall 268 Lf	55	02/08/17	04/25/17	-222																						
CTS.31.71.670	Excavate & Construct Right Sidewall & Headwall 268 Lf	55	02/08/17	04/25/17	-222																						

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	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
						CTS.31.71.680	Install Temporary Support Struts	10	04/26/17	05/09/17	-222																
CTS.31.71.690	Install Ramp For Center Drift	2	05/10/17	05/11/17	-222																						
CTS.31.71.700	Excavate & Support Center Drift	35	05/12/17	06/30/17	-222																						
CTS.31.71.710	Remove Crossover Excavation Ramp	2	07/03/17	07/05/17	-222																						
CTS.31.71.720	Excavate & Support Center Bench - Crossover	10	07/06/17	07/19/17	-222																						
CTS.31.71.730	Excavate & Construct Invert - Crossover	7	07/20/17	07/28/17	-222																						
CTS.31.71.740	Demo Sidewalls, Repair Headwall & Top Joint - Crossover	10	07/31/17	08/11/17	-222																						
CTS.31.71.750	Repair Invert Joint - Crossover	10	08/14/17	08/25/17	-222																						
CTS.31.74.700	Place Smoothing Concrete - Final Lining invert - Crossover Cavern	15	08/26/17	09/13/17	-267																						
CTS.31.74.705	Install Waterproofing - Final Lining invert - Crossover Cavern	15	09/14/17	09/30/17	-267																						
CTS.31.74.715	Install Rebar & Grout Piping - Final Lining invert - Crossover Cavern	20	10/02/17	10/24/17	-267																						
CTS.31.74.710	Place Smoothing Concrete - Final Lining Invert -Cross Cut Cavern	6	10/25/17	10/31/17	-267																						
CTS.31.74.725	Place Concrete - Final Lining invert - Crossover Cavern	20	10/25/17	11/17/17	-267																						
CTS.31.74.960	Install Waterproofing & Grout Pipes - Final Lining Invert -Cross Cut Cavern	5	11/01/17	11/06/17	-267																						
CTS.31.74.970	Install Rebar - Final Lining Invert -Cross Cut Cavern	10	11/07/17	11/18/17	-267																						
CTS.31.74.980	Place Concrete - Final Lining Invert -Cross Cut Cavern	10	11/20/17	12/02/17	-267																						
CTS.31.74.990	Install Waterproofing - Final Lining Arches - Crosscut Cavern	15	12/04/17	12/20/17	-267																						
CTS.31.74.1000	Install Rebar & Grout Piping - Final Lining Arches - Crosscut Cavern	15	12/09/17	12/27/17	-267																						
CTS.31.74.350	Shotcrete Final Lining Arches - Crosscut Cavern	20	12/20/17	01/13/18	-267																						
CTS.03.30.760	Shore/Rebar/Form Pour Track Slab - Crosscut Cavern	15	01/15/18	02/02/18	-222																						
CTS.03.30.780	Rebar/Form/ Pour Platforms - Crosscut Cavern	20	01/29/18	02/23/18	-222																						
CTS.03.30.770	Shore/Rebar/Form Pour Concourse Level Slab - Crosscut Cavern	15	02/12/18	03/02/18	-222																						
CTS.09.83.664	CTS_PL 05 Spray - Set Up Scaffold- Platform Level	5	03/05/18	03/09/18	-222																						
CTS.09.83.544	CTS_PL 05 Spray - Acoustical Vermiculite Wall Plaster NB - Sector 2	6	03/12/18	03/19/18	-222																						
CTS.09.83.554	CTS_PL 05 Spray - Acoustical Vermiculite Wall Plaster SB - Sector 2	6	03/20/18	03/27/18	-222																						
CTS.34.21.122	CTS_PL Station Platform: Install - Traction Power Box PS01 @ SB Track - Sec	3	03/28/18	03/30/18	-222																						
CTS.34.05.160	CTS_PL_Install Conduit SB Positive Feeder Box PS01 to PS05 (Traction Power)	5	04/02/18	04/06/18	-222																						
CTS.34.05.170	CTS_PL_Install Conduit SB Positive Feeder Box PS01 to PS07 (Traction Power)	5	04/09/18	04/13/18	-222																						
CTS.34.05.180	CTS_PL_Install:Conduit SB Positive Feeder Box PS02 to PS08 (Traction Power)	5	04/16/18	04/20/18	-222																						
CTS.03.46.980	CTS_PL Station Platform: Install - GFRC Perforated Wall Panel System SB - S	15	04/23/18	05/11/18	-222																						
CTS.03.46.164	CTS_PL Station Platform: Install - GFRC Perforated Ceiling Panels - Sector 2	15	05/14/18	06/01/18	-222																						
CTS.14.31.265	Set Escalator Trusses 1 & 2 (Concourse to Platform) - Crosscut	2	06/04/18	06/05/18	-222																						
CTS.14.31.275	CTS_PL Assemble Components Escalator #1	15	06/06/18	06/26/18	-222																						
CTS.14.31.415	CTS_PL Assemble Components Escalator #2	15	06/27/18	07/17/18	-222																						
CTS.09.66.616	CTS_PL Station Platform Cross-Cut Cavern: Install - Terrazzo Flooring Sector 2	5	07/18/18	07/24/18	-222																						
CTS.09.66.618	CTS_PL Station Platform Cross-Cut Cavern: Install - Terrazzo Cove Base Sectc	5	07/25/18	07/31/18	-222																						
CTS.09.66.620	CTS_PL Station Platform Cross-Cut Cavern: Grind & Polish - Terrazzo Floorin	10	08/01/18	08/14/18	-222																						
CTS.14.24.255	CTS-PL 05: Assemble Elevator #1	15	08/15/18	09/04/18	-222																						
CTS.14.24.265	CTS-PL 05: Assemble Elevator #2	15	09/05/18	09/25/18	-222																						
CTS.14.24.275	CTS-PL 05: Install Elevator Power & Controls	10	09/26/18	10/09/18	-222																						
CTS.08.44.265	CTS_PL Install Elevators 1 & 2 Glass Enclosure - Crosscut Platform Level	10	09/26/18	10/09/18	-222																						
CTS.08.44.580	Install Elevators 1 & 2 Glass Enclosure - Crosscut Concourse Level	10	09/26/18	10/09/18	-222																						
CTS.14.24.285	CTS-PL 05: Startup & Test Elevators 1&2	5	10/10/18	10/16/18	-222																						
CTS.14.24.295	CTS-PL 05:Inspections - Elevators 1&2	1	10/17/18	10/17/18	-222																						
CTS.01.80.00	CTS- Building Systems Start-up & Testing	44	10/18/18	12/18/18	-222																						
Project Start Up		115	12/18/18	06/05/19	-111																						
STU1010	S&S Certification / Pre-Revenue Activities	115	12/18/18	06/05/19	-111																						
BUF0018	Muni Float	0	06/05/19	06/05/19	-111																						

Activity Name	Original Duration	Start	Finish	2012				2013				2014				2015				2016				2017				2018				2019			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CENTRAL SUBWAY PROJECT	1954	06/08/11 A	03/18/19																																
Construction Phase	1954	06/08/11 A	03/18/19																																
Construction Tunnels CN-1252	1799	06/08/11 A	05/15/15 A																																
1252 Tunnel Contract BIH	1799	06/08/11 A	05/15/15 A																																
Contract Milestones	1437	06/08/11 A	05/15/15 A																																
General Conditions	1752	08/01/11 A	05/15/15 A																																
4th & Bryant St TBM Launch Box Construction	686	03/30/12 A	06/02/14 A																																
Moscone Station Headwalls	430	05/14/12 A	09/20/13 A																																
UMS Station Headwalls	425	07/24/12 A	11/22/13 A																																
UMS - Remove Geary to Ellis OCS	5	07/24/12 A	07/26/12 A																																
UMS - Setup Traffic Control for Headwall Construction	1	07/30/12 A	07/30/12 A																																
North Headwall	237	02/27/13 A	11/22/13 A																																
South Headwall	404	07/31/12 A	11/22/13 A																																
4th St and Market Compensation Grouting	707	01/28/13 A	04/30/15 A																																
Southbound Tunneling	451	04/27/13 A	10/13/14 A																																
Ellis St Compensation Grouting	561	07/31/12 A	05/09/14 A																																
Green St Compensation Grouting	320	08/05/13 A	06/30/14 A																																
Retrieval Shaft	1070	10/31/11 A	03/20/15 A																																
Cross Passage 1-5	339	03/22/14 A	04/16/15 A																																
Cross Passage 1	79	06/14/14 A	09/13/14 A																																
Cross Passage 2	105	05/10/14 A	09/09/14 A																																
Cross Passage 3	127	03/31/14 A	08/28/14 A																																
Cross Passage 4	114	03/22/14 A	07/31/14 A																																
Cross Passage 5	277	05/31/14 A	04/16/15 A																																
Portal Structure	196	09/02/14 A	04/15/15 A																																
Contract Close Out	307	03/03/14 A	05/15/15 A																																
Construction CN-1300	1444	06/03/13 A	03/18/19																																
CN- 1300 Milestone	1444	06/17/13 A	03/18/19																																
Construction UMS Station P-1253	1386	06/17/13 A	12/19/18																																
Construction CTS Station P-1254R	1386	06/17/13 A	12/19/18																																
Construction YBM Station P-1255	1386	06/10/13 A	12/19/18																																
Construction STS P-1256	1444	06/03/13 A	03/18/19																																

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	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
CENTRAL SUBWAY PROJECT																											
Program Level Milestones																											
No 13-Disp																											
MS0005	50% through Construction Project - Milestone #5	0		08/31/16*	847	◆ 50% through Construction Project - Milestone #5																					
HldPt4	Stations to Platform Level	0		11/18/16*	412	◆ Stations to Platform Level																					
MS0006	75% through Construction - Project Milestone #6	0		01/01/18*	359	◆ 75% through Construction - Project Milestone #6																					
MS0007	90% through Construction - Project Milestone #7	0		06/01/18*	208	◆ 90% through Construction - Project Milestone #7																					
STU1030	Accept CSP Funded LRVs	0		12/18/18	4	◆ Accept CSP Funded LRVs																					
HldPt5	Systems Complete	0		12/18/18	-111	◆ Systems Complete																					
MS0008	Construction Complete	0		03/18/19	-82	◆ Construction Complete																					
MS0019	Baseline Finish Date: 12-26-2018	0		06/05/19*	-111	◆ Baseline Finish Date: 12-26-2018																					
MS0009	CSP Revenue Service Date	0		06/05/19*	-111	◆ CSP Revenue Service Date																					
MS0010	Grant Closeout - CSP Complete	0		06/09/21	0	◆ Grant																					
Light Rail Vehicles																											
Real Estate																											
Construction Phase																											
Construction Support and Costs																											
Construction Tunnels CN-1252																											
Construction CN-1300																											
CN- 1300 Milestone																											
Administrative / Milestones																											
DUR	Construction Duration - 1,700 Calendar Days	1699	06/17/13 A	12/18/18	-311	Construction Duration - 1,700 Calendar Days																					
MS-10	Substantial Completion - 1,700 Calendar Days (SP-4.B) { 10-Feb-18 }	0		12/18/18*	-311	◆ Substantial Completion - 1,700 Calendar Days (SP-4.B) { 10-Feb-18 }																					
C.Punch	Closeout Punchlist/Remaining Work	90	12/19/18	03/18/19	-311	Closeout Punchlist/Remaining Work																					
MS-20	Final Completion - 1,790 Calendar Days (SP-4C)	0		03/18/19*	-311	◆ Final Completion - 1,790 Calendar Days (SP-4C)																					
No 13-Disp																											
Construction UMS Station P-1253																											
Administrative / Milestones																											
Preconstruction																											
Engineering & Procurement																											
Site Work / Utility Relocation																											
Drilled Shafts																											
Compensation Grouting																											
Demolition																											
Roof Deck Excavation,Construction,Restoration																											
Excavation & Support																											
Concrete/Shotcrete																											
Structural Steel																											
Masonry																											
Mechanical																											
Electrical																											
Electrical - Transportation																											
Architectural Finishes																											
Conveyances																											
Stairs																											
Startup & Testing																											
No 13-Disp																											
Construction CTS Station P-1254R																											
Administrative / Milestones																											
Preconstruction																											
Site Work / Utility Relocation																											
Demolition																											

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2016												2017				2018				2019				2020				2021			
						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	
Excavation & Support						569	03/10/16 A	05/02/18	-58																												
CTS.31.50.900	CTS_CN Install Temp Level 4.0 Struts & Wales & Preload Col. 4.0-11.0	8	03/10/16 A	05/05/16	80	■ CTS_CN Install Temp Level 4.0 Struts & Wales & Preload Col. 4.0-11.0																															
CTS.31.20.400	ExcavateTo Temp Level 5.0 Struts +/-8kcy Col. 4.0-11.0	11	04/08/16 A	05/20/16	80	■ ExcavateTo Temp Level 5.0 Struts +/-8kcy Col. 4.0-11.0																															
CTS.31.43.140	CTS_ Compensation Grouting - As Required	10	05/19/16	06/02/16	427	■ CTS_ Compensation Grouting - As Required																															
CTS.31.50.310	CTS_CN Install Temp Level 5 Struts & Wales & Preload Col 4.0-11.0	8	07/31/17	08/09/17	-220	■ CTS_CN Install Temp Level 5 Struts & Wales & Preload Col 4.0-11.0																															
CTS.31.20.320	Excavate to 4' Below Level 6 Struts EL 7.5' Col 4.0-11.0	9	07/31/17	08/10/17	-220	■ Excavate to 4' Below Level 6 Struts EL 7.5' Col 4.0-11.0																															
CTS.31.50.330	Install Temp Level 6 Struts & Wales & Preload	10	08/03/17	08/16/17	-220	■ Install Temp Level 6 Struts & Wales & Preload																															
CTS.31.20.335	Excavate to 3' Below Level 7 Struts EL -7.5 Col 4.0-11.0	15	08/07/17	08/25/17	-220	■ Excavate to 3' Below Level 7 Struts EL -7.5 Col 4.0-11.0																															
CTS.31.50.370	Install Temp Level 7 Struts & Wales & Preload	10	08/15/17	08/28/17	-220	■ Install Temp Level 7 Struts & Wales & Preload																															
CTS.31.20.380	Excavate Headhouse to Invert Slab EL -18.67	12	08/29/17	09/14/17	-220	■ Excavate Headhouse to Invert Slab EL -18.67																															
CTS.31.50.070	Remove Level 6 & 7 Struts & Wales	5	12/07/17	12/13/17	-215	■ Remove Level 6 & 7 Struts & Wales																															
CTS.31.50.110	CTS_CN Remove Level 5 Struts & Wales	5	12/07/17	12/13/17	-220	■ CTS_CN Remove Level 5 Struts & Wales																															
CTS.31.50.150	CTS_CN Remove Level 4 Struts & Wales	5	01/26/18	02/01/18	-178	■ CTS_CN Remove Level 4 Struts & Wales																															
CTS.31.50.195	Remove Level 3 Struts & Wales	5	03/26/18	03/30/18	-214	■ Remove Level 3 Struts & Wales																															
CTS.31.50.235	Remove Level 2 Struts & Wales	5	04/02/18	04/06/18	-204	■ Remove Level 2 Struts & Wales																															
CTS.31.50.240	Remove Level 1 Struts & Wales	5	04/26/18	05/02/18	-215	■ Remove Level 1 Struts & Wales																															
Tunnel / Cavern Mining						637	01/06/16 A	09/08/17	-108																												
CTS.31.71.490	Excavate & Support North Emergency Egress Shaft	40	01/06/16 A	01/25/17	24	■ Excavate & Support North Emergency Egress Shaft																															
CTS.31.71.355	Install Remaining Barrel Vault Piping (1-7, 49-55, s1-s12) = 26ea	15	02/25/16 A	09/22/16	-5	■ Install Remaining Barrel Vault Piping (1-7, 49-55, s1-s12) = 26ea																															
CTS.31.71.020	Break-In & Construct Top Sidewall & Headwall Left - Crosscut Cavern	20	04/20/16 A	05/18/16	-222	■ Break-In & Construct Top Sidewall & Headwall Left - Crosscut Cavern																															
CTS.31.71.030	Break-In & Construct Top Sidewall & Headwall Right - Crosscut Cavern	20	04/21/16 A	05/19/16	-222	■ Break-In & Construct Top Sidewall & Headwall Right - Crosscut Cavern																															
CTS.31.71.040	Break-In & Construct Top Center Drift & Headwall - Crosscut Cavern	7	05/20/16	05/31/16	-222	■ Break-In & Construct Top Center Drift & Headwall - Crosscut Cavern																															
CTS.31.71.050	Excavate & Construct Sidewall Bench & Headwall Step 3 Left Heading - Crosscut Cavern	8	06/01/16	06/10/16	-222	■ Excavate & Construct Sidewall Bench & Headwall Step 3 Left Heading - Crosscut Cavern																															
CTS.31.71.060	Excavate & Construct Sidewall Bench & Headwall Step 3 Right Heading - Crosscut Cavern	8	06/03/16	06/14/16	-222	■ Excavate & Construct Sidewall Bench & Headwall Step 3 Right Heading - Crosscut Cavern																															
CTS.31.71.070	Excavate & Construct Step 4 Left Heading Invert & Headwall - Crosscut Cavern	10	06/15/16	06/28/16	-222	■ Excavate & Construct Step 4 Left Heading Invert & Headwall - Crosscut Cavern																															
CTS.31.71.075	Excavate & Construct Step 4 Right Heading Invert & Headwall - Crosscut Cavern	10	06/17/16	06/30/16	-222	■ Excavate & Construct Step 4 Right Heading Invert & Headwall - Crosscut Cavern																															
CTS.31.71.080	Excavate Step 5 Bench 1 & Construct Headwall - Crosscut Cavern	5	07/01/16	07/08/16	-222	■ Excavate Step 5 Bench 1 & Construct Headwall - Crosscut Cavern																															
CTS.31.71.090	Excavate Step 6 Bench 2 & Construct Headwall - Crosscut Cavern	5	07/07/16	07/13/16	-222	■ Excavate Step 6 Bench 2 & Construct Headwall - Crosscut Cavern																															
CTS.31.71.100	Excavate & Support Step 7 Invert - Crosscut Cavern	10	07/07/16	07/20/16	-222	■ Excavate & Support Step 7 Invert - Crosscut Cavern																															
CTS.31.71.390	Breakout Remaining Cross-Cut Cavern Opening	5	07/21/16	07/27/16	-222	■ Breakout Remaining Cross-Cut Cavern Opening																															
CTS.31.71.400	Temporary Backfill Cross Cut Invert for Platform Cavern Excavation	5	07/28/16	08/03/16	-222	■ Temporary Backfill Cross Cut Invert for Platform Cavern Excavation																															
CTS.31.71.440	Barrel Vaults at South Platform Cavern Excavation	10	08/04/16	08/17/16	-222	■ Barrel Vaults at South Platform Cavern Excavation																															
CTS.31.71.410	Barrel Vaults for North Platform Cavern Excavation	10	08/18/16	08/31/16	-21	■ Barrel Vaults for North Platform Cavern Excavation																															
CTS.31.71.450	Breakin Top Benches for South Platform Cavern Excavation	13	08/18/16	09/06/16	-222	■ Breakin Top Benches for South Platform Cavern Excavation																															
CTS.31.71.465	Excavate & Support Top Left Heading South Platform Cavern 176Lf	20	09/07/16	10/04/16	-222	■ Excavate & Support Top Left Heading South Platform Cavern 176Lf																															
CTS.31.71.460	Excavate & Support Top Right Heading South Platform Cavern 176Lf	20	09/07/16	10/04/16	-222	■ Excavate & Support Top Right Heading South Platform Cavern 176Lf																															
CTS.31.71.800	TB-4 SEM Additional Flashcrete	30	09/22/16	11/02/16	24	■ TB-4 SEM Additional Flashcrete																															
CTS.31.71.810	TB-5 SEM Additional Shotcrete	30	09/22/16	11/02/16	24	■ TB-5 SEM Additional Shotcrete																															
CTS.31.71.820	TB-6 SEM Additional Lattice Girders	30	09/22/16	11/02/16	24	■ TB-6 SEM Additional Lattice Girders																															
CTS.31.71.830	TB-7 SEM Additional Steel Arches	30	09/22/16	11/02/16	24	■ TB-7 SEM Additional Steel Arches																															
CTS.31.71.840	TB-8 SEM Additional Face Bolts	30	09/22/16	11/02/16	24	■ TB-8 SEM Additional Face Bolts																															
CTS.31.71.850	TB-9 SEM Additional Metal Sheets	30	09/22/16	11/02/16	24	■ TB-9 SEM Additional Metal Sheets																															
CTS.31.71.860	TB-10 SEM Additional Probe Holes	30	09/22/16	11/02/16	24	■ TB-10 SEM Additional Probe Holes																															
CTS.31.71.870	TB-11 SEM Additional Grout Holes	30	09/22/16	11/02/16	24	■ TB-11 SEM Additional Grout Holes																															
CTS.31.71.880	TB-12 SEM Additional Permeation Grouting	30	09/22/16	11/02/16	24	■ TB-12 SEM Additional Permeation Grouting																															
CTS.31.71.890	TB-13 SEM Additional Pocket Excavation	30	09/22/16	11/02/16	24	■ TB-13 SEM Additional Pocket Excavation																															
CTS.31.71.900	TB-14 SEM Additional Drilled Gravity Dewatering Pipes/ Gravity Well Points	30	09/22/16	11/02/16	24	■ TB-14 SEM Additional Drilled Gravity Dewatering Pipes/ Gravity Well Points																															
CTS.31.71.910	TB-15 SEM Additional Vacuum Well Points	30	09/22/16	11/02/16	24	■ TB-15 SEM Additional Vacuum Well Points																															
CTS.31.71.780	TB-2 SEM Additional Grouted Pipe Spiles	30	09/22/16	11/02/16	24	■ TB-2 SEM Additional Grouted Pipe Spiles																															
CTS.31.71.790	TB-3 SEM Additional Barrel Vault Pipes	30	09/22/16	11/02/16	24	■ TB-3 SEM Additional Barrel Vault Pipes																															

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	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
CTS.31.71.770	TB-1 SEM Additional Rebar Spiles	30	09/22/16	11/02/16	24																							
CTS.31.71.550	Excavate & Support Top Right Bench South Platform Cavern 176Lf	10	10/05/16	10/18/16	-222																							
CTS.31.71.560	Excavate & Support Top Left Bench South Platform Cavern 176Lf	10	10/05/16	10/18/16	-222																							
CTS.31.71.420	BreakinTop / Bench Sidewalls for North Platform Cavern Excavation	12	10/05/16	10/20/16	-44																							
CTS.31.71.580	Excavate & Support Top Left Step 3 Invert South Platform Cavern 176Lf	14	10/19/16	11/07/16	-222																							
CTS.31.71.570	Excavate & Support Top Right Step 3 Invert South Platform Cavern 176Lf	14	10/19/16	11/07/16	-222																							
CTS.31.71.425	CompleteTop / Bench Invert Sidewalls & Headwall Left Side for North Platform Cavern Excavation	33	10/21/16	12/09/16	-44																							
CTS.31.71.435	CompleteTop / Bench Invert Sidewalls & Headwall Right Side for North Platform Cavern Excavation	33	10/21/16	12/09/16	-44																							
CTS.31.71.590	CTS- Install Temporary Bracing - Sidewalls (Platform Cavern)	6	11/08/16	11/16/16	-222																							
CTS.31.71.600	Excavate & Support Top Center Drift Step 4 South Platform Cavern 176Lf	18	11/17/16	12/14/16	-222																							
CTS.31.71.445	Install Temporary Bracing Sidewalls for North Platform Cavern Excavation	4	12/12/16	12/15/16	-44																							
CTS.31.71.610	Excavate & Support Center Bench Step 5 South Platform Cavern 176Lf	11	12/15/16	12/30/16	-222																							
CTS.31.71.455	Excavation / Support Top Center Drift & Construct Headwall for North Platform Cavern Excavation	13	12/16/16	01/05/17	-44																							
CTS.31.71.620	Excavate & Construct Invert Step 6 South Platform Cavern 176Lf	10	01/03/17	01/16/17	-222																							
CTS.31.71.475	Excavation / Support Center Bench Invert & Construct Headwall for North Platform Cavern Excavation	9	01/17/17	01/27/17	-51																							
CTS.31.71.630	Demo Sidewalls & Repair Headwall South Platform Cavern 176Lf	10	01/17/17	01/30/17	-222																							
CTS.31.71.500	Excavate & Support North Emergency Egress Tunnel	15	01/26/17	02/15/17	24																							
CTS.31.71.485	Demo Sidewall, Repair Headwall for North Platform Cavern Excavation	10	01/30/17	02/10/17	-51																							
CTS.31.71.640	Stage Equipment & Construct Ramp For Crossover Breakin	5	01/31/17	02/06/17	-222																							
CTS.31.71.650	Break-in Crossover Cavern	1	02/07/17	02/07/17	-222																							
CTS.31.71.660	Excavate & Construct Left Sidewall & Headwall 268 Lf	55	02/08/17	04/25/17	-222																							
CTS.31.71.670	Excavate & Construct Right Sidewall & Headwall 268 Lf	55	02/08/17	04/25/17	-222																							
CTS.31.71.495	Repair Invert Joint North Platform Cavern 110Lf	8	02/13/17	02/22/17	-51																							
CTS.31.71.520	Initial Excavation & Support - South Emergency Egress Tunnel	10	02/16/17	03/01/17	24																							
CTS.31.71.530	Complete Excavation & Support - South Emergency Egress Tunnel	5	03/02/17	03/08/17	24																							
CTS.31.71.680	Install Temporary Support Struts	10	04/26/17	05/09/17	-222																							
CTS.31.71.690	Install Ramp For Center Drift	2	05/10/17	05/11/17	-222																							
CTS.31.71.700	Excavate & Support Center Drift	35	05/12/17	06/30/17	-222																							
CTS.31.71.710	Remove Crossover Excavation Ramp	2	07/03/17	07/05/17	-222																							
CTS.31.71.720	Excavate & Support Center Bench - Crossover	10	07/06/17	07/19/17	-222																							
CTS.31.71.730	Excavate & Construct Invert - Crossover	7	07/20/17	07/28/17	-222																							
CTS.31.71.740	Demo Sidewalls, Repair Headwall & Top Joint - Crossover	10	07/31/17	08/11/17	-222																							
CTS.31.71.750	Repair Invert Joint - Crossover	10	08/14/17	08/25/17	-222																							
CTS.31.71.760	Excavation & Mining Complete	0		09/08/17	-190																							
Cavern Lining		276	02/16/17	03/08/18	-196																							
Concrete/Shotcrete		379	03/16/17	08/28/18	-187																							
Structural Steel		104	04/04/18	08/27/18	-199																							
Masonry		104	01/19/18	06/13/18	-185																							
Mechanical		383	03/30/17	09/17/18	-201																							
Misc Metal		295	07/31/17	09/21/18	-204																							
Electrical		303	08/10/17	10/08/18	-206																							
Electrical - Transportation		85	03/12/18	07/06/18	-192																							
Architectural Finishes		425	02/14/17	10/10/18	-173																							
Conveyances		98	06/04/18	10/17/18	-223																							
Startup & Testing		170	04/25/18	12/18/18	-222																							
No 13-Disp		1308	12/23/13 A	12/19/18	619																							
Construction YBM Station P-1255		1328	12/31/13 A	12/19/18	619																							
Administrative / Milestones		351	12/02/16	04/06/18	-55																							
Preconstruction		15	01/16/18	02/05/18	4																							
Excavation & Support		470	04/20/16 A	02/27/18	-37																							
Concrete/Shotcrete		551	02/25/16 A	04/06/18	246																							
Mechanical		5	06/23/17	06/29/17	63																							

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	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	
Electrical		399	08/11/16	02/20/18	-71																					
Electrical - Transportation		345	08/08/16	12/01/17	-14																					
Conveyances		222	05/25/17	04/10/18	-103																					
Startup & Testing		61	04/20/18	07/13/18	-110																					
No 13-Disp		1328	12/31/13 A	12/19/18	619																					
Construction STS P-1256		1444	01/06/14 A	03/18/19	561																					
Preconstruction		465	04/26/16	02/05/18	4																					
Engineering & Procurement		15	04/26/16	05/16/16	-49																					
Site Work / Utility Relocation		128	04/26/16	10/25/16	-27																					
Concrete/Shotcrete		70	10/12/16	03/01/17	186																					
Tunnel Concrete		445	04/11/16 A	06/12/18	-87																					
Structural Steel		15	03/01/17	03/21/17	49																					
Electrical		224	09/01/17	07/18/18	22																					
Electrical - Transportation		21	03/16/18	04/13/18	-158																					
Trackwork		430	09/22/16	05/16/18	-68																					
Track System Work		1068	04/25/15 A	02/28/19	-209																					
Startup & Testing		87	08/16/18	12/14/18	-220																					
No 13-Disp		1444	01/06/14 A	03/18/19	561																					
Project Start Up		115	12/18/18	06/05/19	-111																					
No 13-Disp		115	12/18/18	06/05/19	-111																					
STU1010	S&S Certification / Pre-Revenue Activities	115	12/18/18	06/05/19	-111																					
BUF0018	Muni Float	0	06/05/19	06/05/19	-111																					
Unallocated Contingency		115	12/18/18	06/05/19	-111																					
Project Management		505	06/05/19	06/09/21	0																					
No 13-Disp		505	06/05/19	06/09/21	0																					
CO1.840	Program Closeout	120	06/05/19	11/22/19	385																					
STU1040	After Study	505	06/05/19	06/09/21	0																					

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:

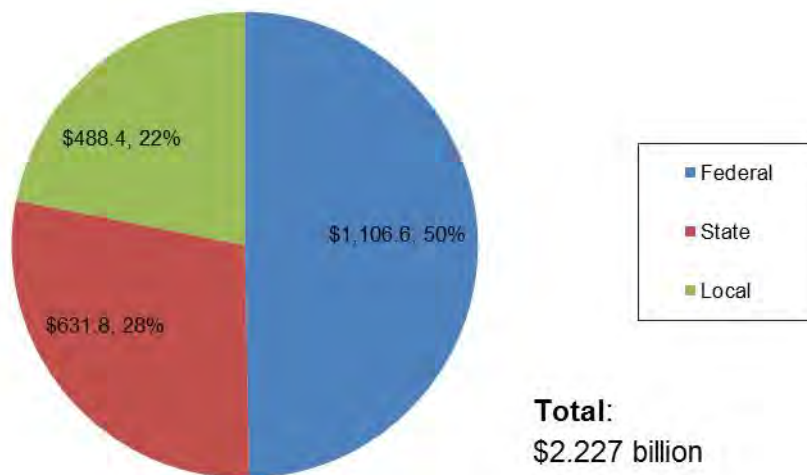
- Phase 1 + Phase 2 of the T Third Line federal, state and local funding percentages previous to the addition of the retrieval shaft relocation budget and funding in December 2013.

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.

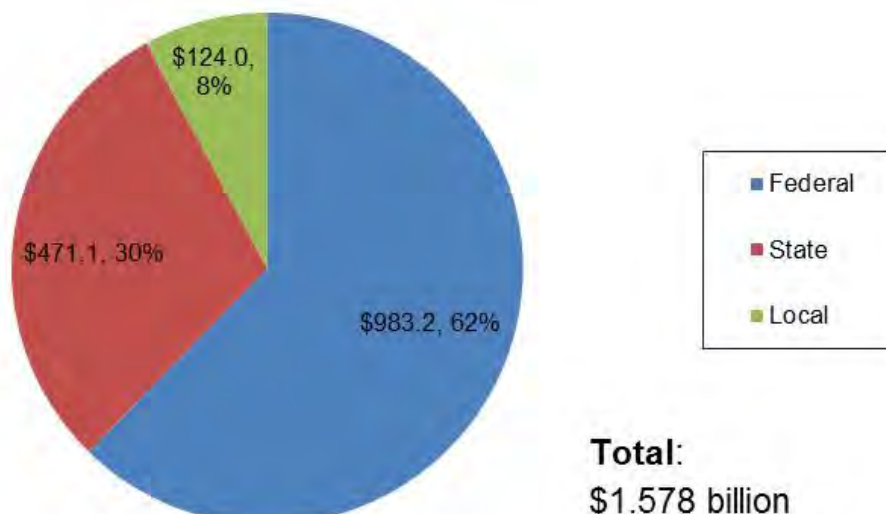
Third Street Light Rail Transit Project Funding

Phase 1 + Phase 2
(\$ in millions)



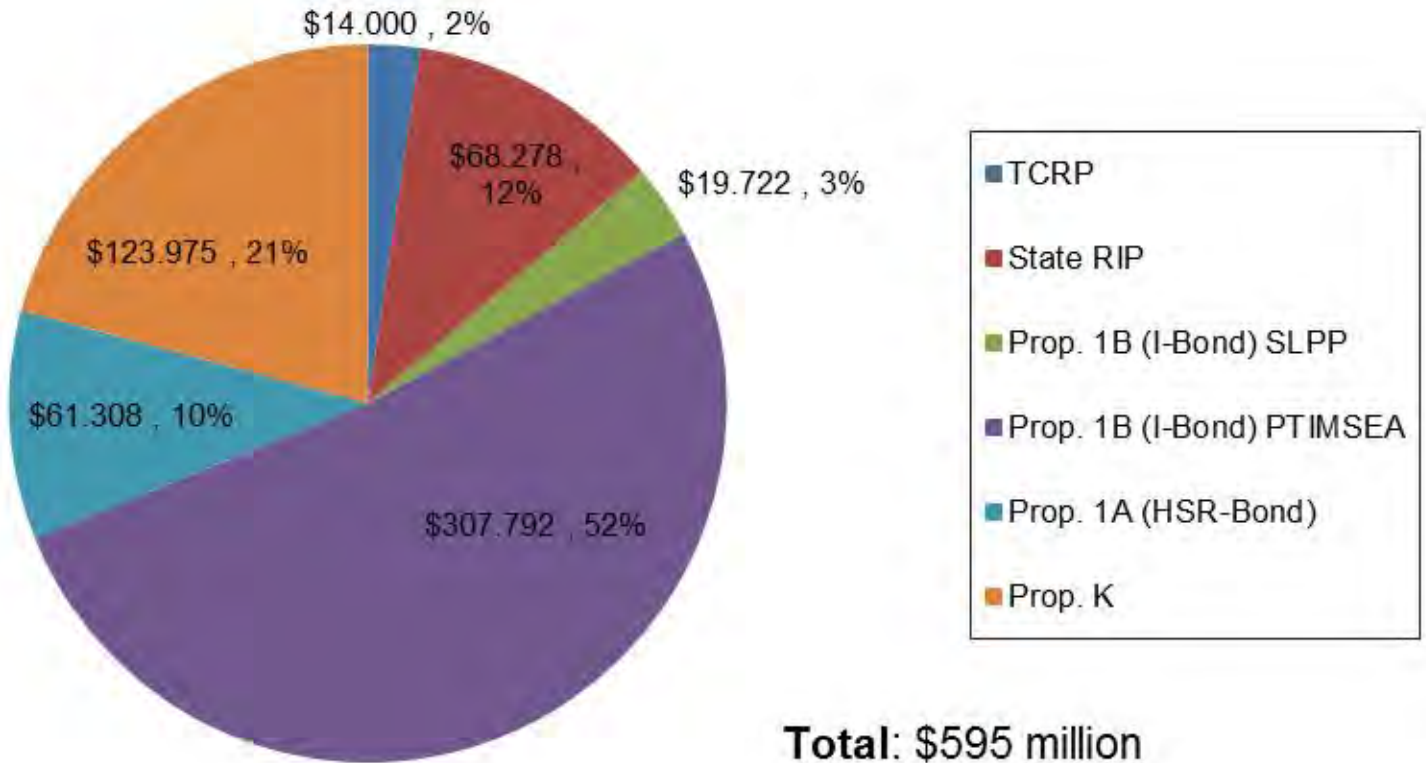
Central Subway Project Funding

Phase 2
(\$ in millions)



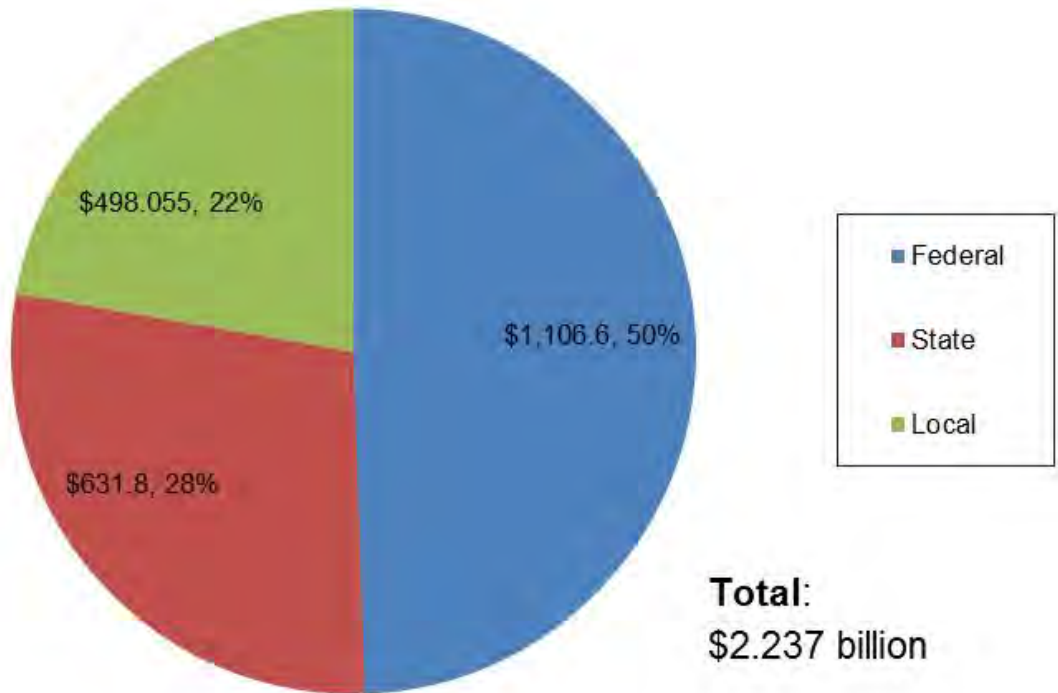
State and Local Funding

Phase 2
(\$ in millions)



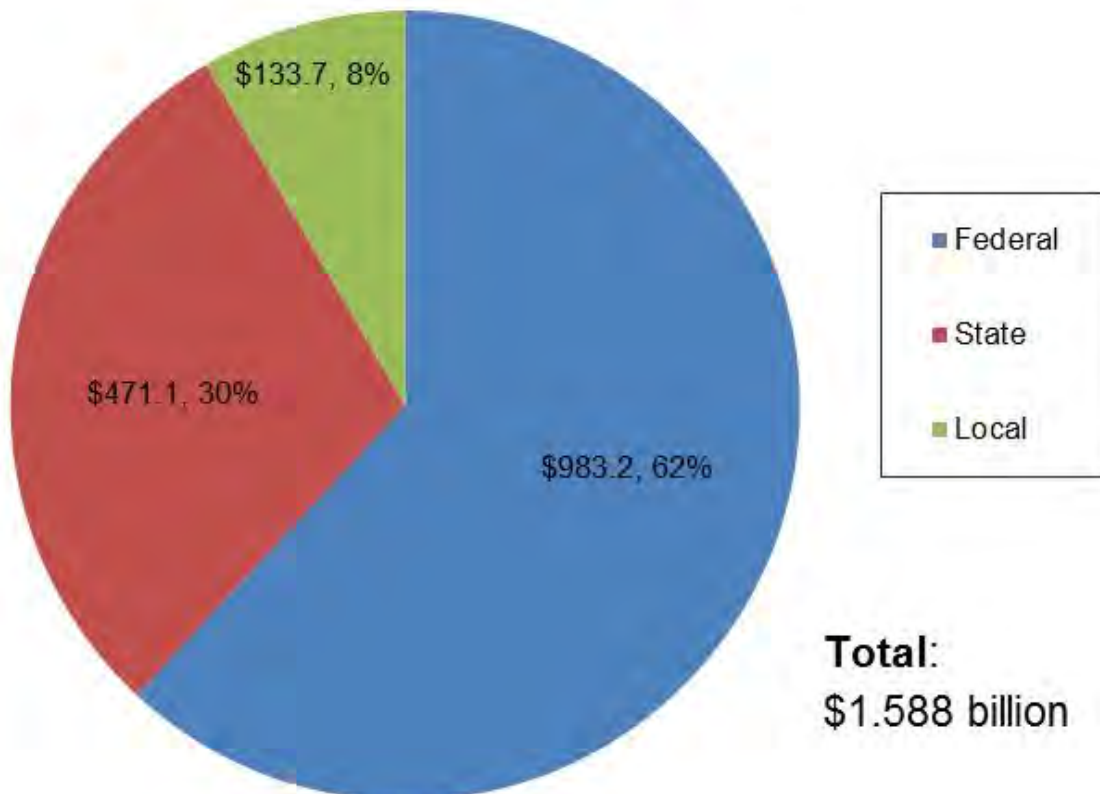
Third Street Light Rail Transit Project Funding

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

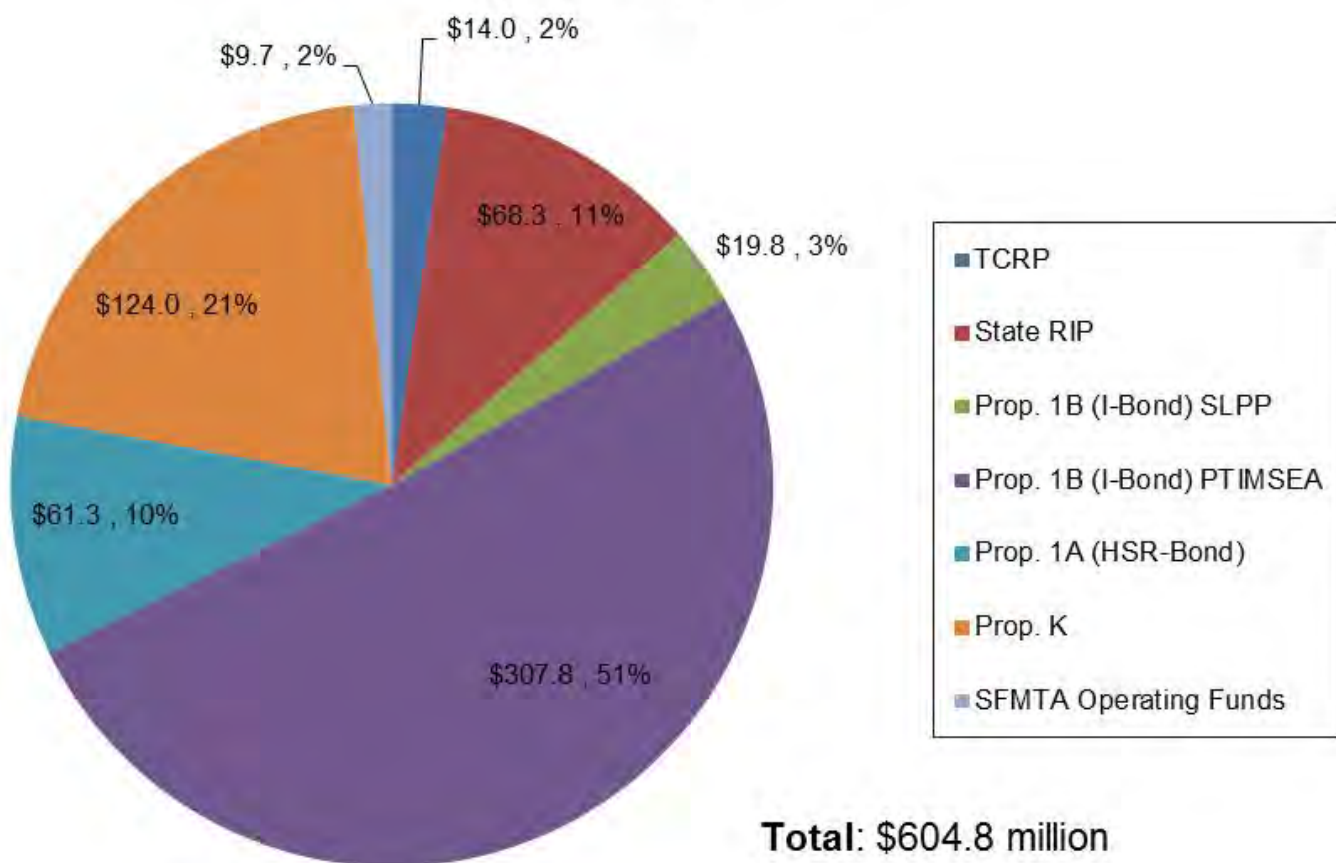


Central Subway Project Funding

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

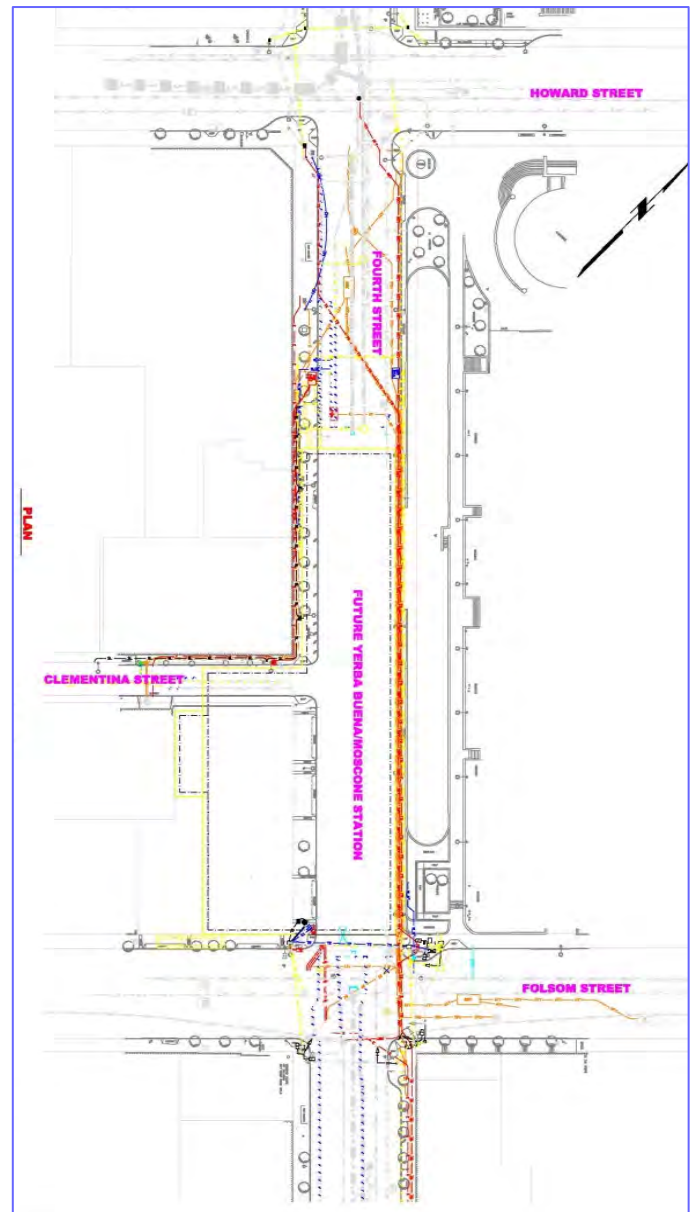
Contract Awarded:	November 17, 2009
Notice to Proceed:	January 4, 2010
Substantial Completion:	June 23, 2011
Contract Award Value:	\$ 9,273,939
Modifications Final :	\$ 2,694,211
Final Contract Value:	\$11,968,150

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

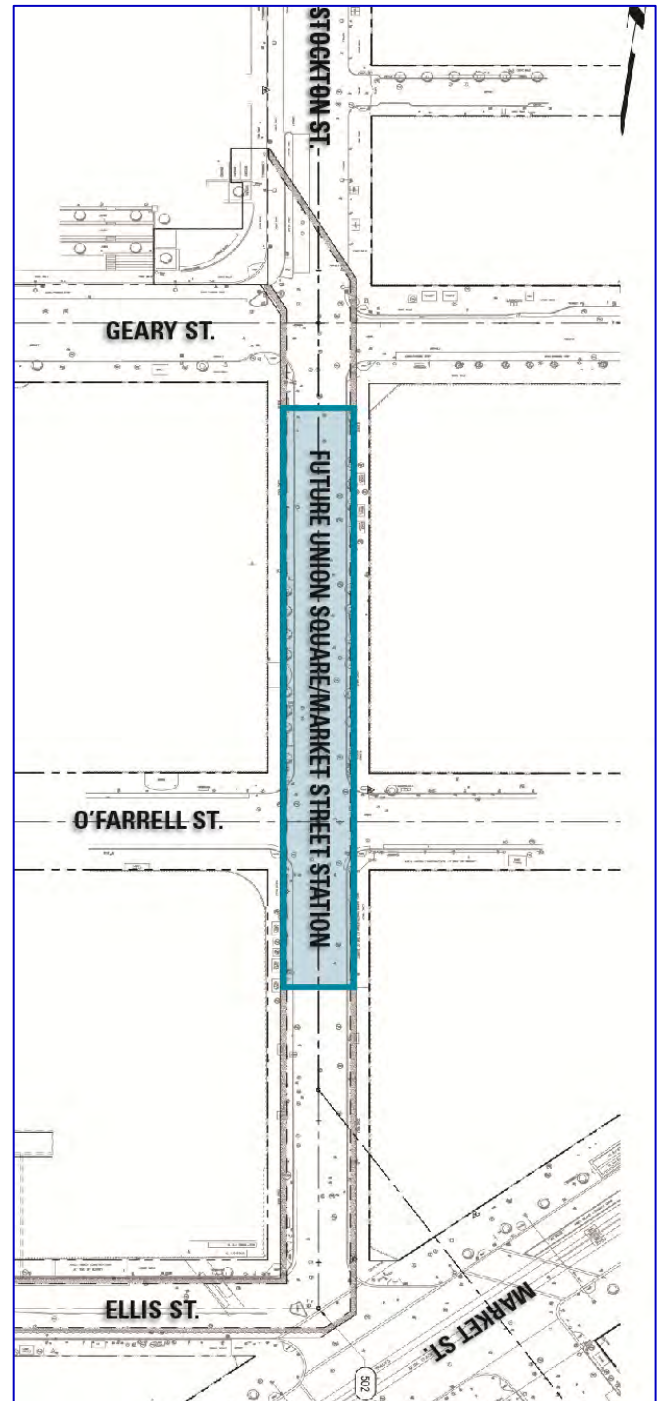
Contract 1251

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.

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

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



Central Subway Tunneling

Contract 1252 Contractor: Barnard Impregilo Healy Joint Venture

Description of Work

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

Status

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

Budget/Expenditures	
Category	Amount
Current Budget	\$235,913,500
Other Project Budget	\$5,150,000
Other Offset Credits	\$1,291,078
Expenditures to Date	\$234,881,397

Contract Details	
Contract Awarded:	June 28, 2011
Notice to Proceed 1:	January 27, 2012
Notice to Proceed 2:	March 14, 2012
Partial NTP 3:	April 12, 2012
Notice to Proceed 3:	October 15, 2012
Substantial Completion:	April 13, 2015
Contract Award Value:	\$233,584,015
Modifications to Date:	\$8,084,852
Current Contract Value:	\$241,668,867



Appendix E

SBE PARTICIPATION

Quarterly Report

Current Report: January 2016 – March 2016

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, 2016.¹

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%	\$52.94	35%	\$25.54	\$18.74	31.4%
2	156	Hill International	Project Controls Task 1	\$17.11	26%	\$9.02	29%	\$4.45	\$2.62	26.0%
3	155-1	PB Telemon	Tunnels Design	\$7.94	30%	\$7.75	30%	\$2.38	\$2.30	31.6%
4	155-2	CS Design Group	Stations Design	\$36.52	30%	\$31.44	42%	\$10.96	\$13.25	36.4%
5	155-3	HNTB, Inc.- B&C	Systems, Track & Surface Station Design	\$17.23	30%	\$24.72	28%	\$5.17	\$6.92	30.0%
Subtotal Professional Services				\$163.94		\$125.87		\$48.50	\$43.83	
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%	233.70	5.8%	\$14.48	\$13.66	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	\$842.61	20%	\$362.88	17.2%	\$168.52	\$62.56	25.5%
Subtotal Construction Contracts				\$1,117.34		\$629.98		\$190.23	\$106.66	
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 #40, 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 28.9% 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 #27, March 2016, SFMTA SBE FORM No. 6.
- g) The SBE SFMTA goal for Contract 1277 MH Construction was based on an SBE set-aside.

SBE Participation Details

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

Active Professional Services Contracts - SBE Participation Details

As of: 3/31/2016

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.)	\$52,936,912
	% Expended	62.2%
	SBE Participation	35.4%

Contract:	Project Controls Cost and Schedule Support	
Contract No.	CS 156 Hill International Task 1*	
Status:	On-going	
	Base Contract Value	\$17,112,873
	Approved Change Orders	-0-
	Current Contract Value	\$17,112,873
	Expended to Date (est.)	\$9,018,724
	% Expended	52.7%
	SBE Participation	29.1%

Contract:	Design Package 1 for CNs 1250, 1251 and 1252 Tunnels*	
Contract No.	CS-155-1 PB / Telemon	
Status:	Design is completed. Construction support ongoing	
	Base Contract Value	\$5,795,000
	Approved Change Orders (7)	\$2,145,159
	Current Contract Value	\$7,940,159
	Expended to Date (est.)	\$7,754,848
	% Expended	97.7%
	SBE Participation	29.6%

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.)	\$31,436,143
	% Expended	86.1%
	SBE Participation	41.8%

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.)	\$24,719,950
	% Expended	143.5%
	SBE Participation	27.6%

Active and Completed Construction Contracts - SBE Participation Details

Data as of: 3/31/2016

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

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

Contract:	Pagoda Palace Demolition / MH Construction	
Contract No.	1277	
Status:	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	\$8,084,852
	Current Contract Value	\$241,668,867
	Expended to Date (est.)	\$233,697,189
	% Expended	96.7%
	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	\$2,933,000
	Current Contract Value	\$842,609,400
	Expended to Date (est.)	\$362,881,108
	% Expended	43.1%
	SBE SFMTA Goal	20.0%
	SBE Participation To Date	20.1%

Photos on the next page:

Following the tremendous success of Winter Walk 2014, the green turf, vintage-inspired lamp posts, and nightly light show were set up once more for the 2015 holiday season. Off the Grid food trucks were present for four days a week, offering a wide variety of culinary delights. Winter Walk's pedestrian plaza was set up on Stockton between Geary and Ellis.

central subway

Central Subway Project Office
821 Howard Street
San Francisco, CA 94103
Phone: 415.701.4371
Fax: 415.701.5222
Email: central.subway@sfmta.com



www.centralsubwaysf.com



www.twitter.com/central_subway



www.facebook.com/centralsubway



www.centralsubwayblog.com



www.youtube.com/municentralsubwaysf



www.flickr.com/municentralsubway

This document is published by the SFMTA and the City and County of San Francisco as a service to individuals and agencies interested in the Central Subway Project. Funding for the Central Subway is made possible through funds provided by the Federal Transit Administration, the State of California, the Metropolitan Transportation Commission and the San Francisco County Transportation Authority.



SFMTA
Municipal
Transportation
Agency

