


Memorandum

CS Memorandum No. 1267

To: Distribution

From: Susan MacKenzie, Document Control Manager 

Date: October 25, 2012

Reference: Project No. M544.1, Contract No. CS-149
Task No. 1-8.02, Change Control

Subject: Configuration Management Board Meeting No. 95

Attached please find minutes for Configuration Management Board Meeting No. 95 held on September 26, 2012.

Attachments: CMB Meeting No. 95 Rev. 0 Minutes with attachments

Cc: David Kuehn, STV (w/attachments) david.kuehn@stvinc.com
Albert Hoe, SFMTA (w/attachments)
Shahnam Farhangi, SFMTA (w/attachments)
Roger Nguyen, SFMTA (w/attachments)
Jane Wang, SFMTA (w/attachments)
Eric Stassevitch, CSP (w/attachments)
Carlos Campillo, CSP (w/attachments)
Quon Chin, CSP (w/attachments)
Chuck Morganson, HNTB/B&C (w/attachments)
Aileen Read, CSDG (w/attachments)
CS File No. M544.1.5.0890

Distribution:

Brad Lebovitz, STV bradley.lebovitz@stvinc.com
Luis Zurinaga, SFCTA (luis.zurinaga@sfcta.org)
Matt Lee, SFCTA (matt@sfcta.org)
Joon Park, SFMTA
John Funghi, SFMTA
Arthur Wong, SFMTA
Ross Edwards, CSP
Mark Latch, CSP
Mark Benson, CSP
Beverly Ward, CSP
Sarah Wilson, CSP
Charles Dombrowski, Hill International
Ken Barnhart, Hill International
Alexis Ayres, Hill International
Michael Acosta, DPW

CMB Meeting Minutes #95

DATE: September 28, 2012

MEETING DATE: **September 26, 2012**

LOCATION: 821 Howard St, Main Conference Room

TIME: 3:00 PM

ATTENDEES: J Funghi (JF), A. Wong (AW), J. Park (JP), R. Edwards (RE), S. Wilson (SW)
M. Latch (ML), M. Benson (MB), B. Ward (BW), C. Dombrowski (CD), A. Ayers (AA),
K. Barnhart (KB), M. Acosta (MA), L. Zurinaga (LZ), M. Lee (ML), B. Lebovitz (BL),

COPIES TO: Attendees: S. Farhangi (SF), A. Hoe (AH), R. Nguyen (RN), E. Stassevitch (ES), Q. Chin (QC), J. Wang (JW), C. Campillo (CC), C. Morganson (CM), A. Read (AR), D. Kuehn (DK),
File No. M544.1.5.0890

REFERENCE: Project No. M544.1, Contract No. 149 Task 1-8.02
Final Design

SUBJECT: Configuration Management Board Meeting # 95 – Rev. No. 0

RECORD OF MEETING *(Italicized text indicates status update of open items)*

ITEM #	DISCUSSION	ACTION BY DUE DATE
1-06/06/12	The Configuration Manager presented the Programs Configuration Management Procedures, Rev 1 for review to identify the current Configuration Board Members or their designees; as listed in the Procedures and their current standing or relation to the Central Subway Project. A notification letter or email will be sent to SFMTA's Operations, Maintenance, Safety, and Security Managers of their responsibility as a Configuration Management Board Member. In addition the CMB Procedures will be revise to reflect the current SFMTA personnel who holds the position. <i>09/12: Due to time limitations the follow up action item was not discussed but will be addressed at the next CMB meeting. 09/26 Status: This item was not discussed at this week's meeting.</i>	ES 10/03/12
4-06/13/12	The CMB requested the PCC team provide an Interface Schedule for Construction Milestones for review. This item will be brought back to the next CMB meeting. <i>06/20: A Milestone Interface Points schedule analysis was shown for information of the Tunnels and STS and their interface with UMS and CTS. MOS is still in review because it isn't working with STS current schedule, it will be put on hold until the STS schedule can be further developed. The CMB recommend the analysis be revised stripping out buffer float and then run analysis. In addition the CMB requested that there be a monthly review update of the milestone interface points. Also the request was made to see the dates of the track schedule even if it doesn't work to see what can be done to resolve it. This item will be brought back to a future CMB meeting. 07/11: The PCC team presented for review the Important Interface Points analysis for the contract packages. The analysis showed the drivers in the schedule being the headwall activities, which is an unestablished milestone in the contract but are work activities that has to be completed before follow-on contract work can begin in earnest. Dates shown are valid and are reflecting the new bid schedule (see attached). Actual text still needs to be written in the</i>	ES 10/03/12

ITEM #	DISCUSSION	ACTION BY DUE DATE
	<p>Div1 specs for MOS and STS. The PCC will come back to the CMB next week validating the analysis actual construction days from NTP for headwalls to be completed is 219 days. In addition the CMB requested validation from the design lead that the language in the Div 1 specs precludes where the tunnel contractor can work during the 219 days the UMS contractor is performing the headwall work. <i>07/18:</i> Review of the interface analysis between the key points of the UMS, Tunnel, STS contracts was presented. Early completion of UMS headwalls on 6/20/13 is a constraint that needs to be incorporated into the UMS Station contract, this new date would go into the next addendum. Completion of cross passages of 3 & 4 in Tunnel contract allowing break in to the Tunnel by the UMS station contract is another key interface between the Tunnel and UMS contract. Interfaces between UMS and STS contract gaining access through UMS work area to allow STS contractor to start passing through the UMS area, will also be included in the addendum. R. Edwards will confirm UMS new dates are put into the addenda; confirm effects on CTS, i.e. what impact this has on additional float and review early start dates; write STS Division 1 in accord to the analysis currently presented. <i>09/12</i> Due to time limitations the follow up action item to confirm the 219 days the UMS contractor may perform the headwall work was not discussed but will be addressed at the next CMB meeting. <i>09/26 Status: This item was not discussed at this week's meeting.</i></p>	
<p>1 – 07/18/12</p>	<p>1252 – The Construction Manager and Resident Engineer presented a proposal from BIH for a no cost change to perform the Grant Avenue Conversion between Post Street and Geary Street from One-way to Two-way Street and modify the traffic signal at Grant Avenue and Geary Street intersection. A cost proposal was also received from Department of Traffic which includes; at their request adding an additional block to the scope of work and making the conversion between Geary and Sutter. Cost proposal received from DPT was relatively close to proposal received from BIH. DPT believes they can have this work done by 7/30, which includes performing pavement marking and redo the signalization. CMB agreed DPT will do the work with a “not to exceed” value of \$39K. In addition the CMB requested a side by side consolidated view of the cost and the recommendation be submitted to the CMB. Also that a scope of work quote be outline to properly implement a detour using Grant St, between Geary and Sutter. The Construction Manager will put together a complete proposal package for CMB approval. <i>09/26 Status: This item was not discussed at this week's meeting.</i></p>	<p>MB 10/03/12</p>
<p>3- 07/25/12</p>	<p>1252 – M. Benson and Sarah Wilson presented MOS Traffic Signal re-route cost proposal for re-routing the traffic signal cable for review (Trend #15). This work will require a new trench to be excavated south of the south headwall limits and new conduits and traffic cables will be installed in the new trench. This cost change will give authorization to the Contractor as a “Do Not Exceed Value” of \$40K. The CMB requested the PCC look into the hourly rate/daily rate for the triton barrier also to find out what the 1.5% payroll tax item is (what are we paying for)? This COR will be brought back to the next CMB meeting as a contract modification for approval. <i>08/01:</i> The RE gave a status update to Trend #15; reporting the potential change order now may include standby time associated with this change. A revised CMod will be develop to include cost for potential standby time and brought back to the CMB for review. <i>09/26 Status: This item was not discussed at this week's meeting.</i></p>	<p>MB 10/03/12</p>
<p>1- 08/08/12</p>	<p>1253 – R. Edwards and A. Ayres presented CCOP X53-004 - UMS Procurement Duration Change. This revision shortens the duration from Award to NTP from 40 days to 24 days. Activities requiring procurement are approve/execute/certify the UMS Contract. A revised CCOP will be brought back to the CMB for approval which further changes the schedule durations in addendum number six - 1) Changing the bid opening date to August 23rd, 2) shortening the restriction of when the Contractor can start interface on Stockton St. from 820 to 806 days; 3) increasing the quantity of when the Contractor can have access through tunnels interface from 1123 to 1167 days; and 4) duration of when the Contractor must provide the invert to the STS Contractor from 1199 to 1248 days. The CMB</p>	<p>RE 10/03/12</p>

ITEM #	DISCUSSION	ACTION BY DUE DATE
	requested the Advertise Date Study be updated to reflect the changes made to the UMS Procurement Duration. <i>09/12: Due to time limitations the follow up action item to was not discussed at this week's meeting. 09/26 Status: This item was not discussed at this week's meeting.</i>	
2- 08/08/12	1255 – R. Edwards and Alexis Ayres presented CCOP X55-004 – MOS Advertise Date to August 20, 2012 which changes the bid review time from 20 to 30 days to account for the holiday, and to avoid administration conflicts with issuing two stations (CTS and MOS) close to the same dates. The Advertise Date Study will be update to reflect the changes made to the MOS Advertise Date. <i>09/26 Status: This item was not discussed at this week's meeting.</i>	RE 10/03/12
3- 08/08/12	1256 – R. Edwards and Alexis Ayres presented CCOP X56-003 – STS Advertise Date to October 1, 2012, allowing more time to complete design changes to the sewer work and to received more feedback on the Advanced Train Control System (ATCS) scope. The Advertise Date Study will be update to reflect the changes made to the STS Advertise Date. <i>09/26 Status: This item was not discussed at this week's meeting.</i>	RE 10/03/12
4- 08/08/12	1252 – R. Edwards presented a PCC for Tunnels Revisions to North Headwall Elevation (Top) raising the North headwall elevation at MOS approximately 3'- 6". (See attached PCC - 01). The discussion focused on the reason for the change and the estimated cost. This item will be brought to the CMB for signature approval next week. <i>08/15: Agenda item was viewed however; cost estimate was not available to review. The CMB requested a complete package be brought back to next week's meeting for review and signature approval. 08/22: A complete PCC package which included the cost estimate was reviewed, however Proposed Contract Change concurrence was not given by the Contract Administrator's representative due to lack of authority to sign contract changes. The Construction Manager will forward the complete package to Joon Park for a more thorough review followed by a recommendation to Shahnam Farhangi, SFMTA Contractor Administrator. This item will be brought to the next CMB meeting. In addition a recommendation by the Board was given to update the Proposed Contract Change (PCC) Issuance and Processing procedures "Concur In Principle" section (Form 1102-1) delegating signature approval to a voting member of the Configuration Management Board. 08/29: The PCC approval concurrence was giving by the SFMTA Contractor Administrator on 08/23. A copy of the signed documentation needs to be presented to the CMB for final board approval. 09/26 Status: This item was not discussed at this week's meeting.</i>	ES 10/03/12
5- 08/08/12	1252 – R. Edwards presented a PCC for Tunnels - Reduction of UMS Headwall Concrete and Reinforcement Limits for approval of change. (See attached PCC-02). This change would reduce the cost of the headwall construction as well as facilitate the future station demolition of the headwalls. The CMB was in agreement this change needs to be done but wanted to review detailed estimate. This item will be brought to the CMB for signature approval next week. <i>08/15: Agenda item was viewed however; cost estimate was not available to review. The CMB requested a complete package be brought back to next week's meeting for review and signature approval. 08/22: A complete PCC package which included the cost estimate was reviewed, however Proposed Contract Change concurrence was not given by the Contract Administrator's representative due to lack of authority to sign contract changes. The Construction Manager will forward the complete package to Joon Park for a more thorough review followed by a recommendation to Shahnam Farhangi, SFMTA Contractor Administrator. This item will be brought to the next CMB meeting. In addition a recommendation by the Board was given to update the Proposed Contract Change (PCC) Issuance and Processing procedures "Concur In Principle" section (Form 1102-1) delegating signature approval to a voting member of the Configuration Management Board. 08/29: The PCC approval concurrence was giving by the SFMTA Contractor Administrator on 08/23. A copy of the</i>	ES 10/03/12

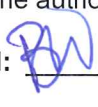
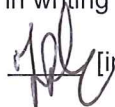
ITEM #	DISCUSSION	ACTION BY DUE DATE
	signed documentation needs to be presented to the CMB for final board approval. 09/12 This item was not discussed at the meeting and is on hold pending the outcome of the meeting with the contractor regarding their response to PCC 1252-002 UMS Headwalls. 09/26 Status: <i>This item was not discussed at this week's meeting.</i>	
1	1251– M. Benson and Mike Acosta presented for approval Trend #68 – Contractor's additional time related overhead (TRO) costs analysis, due to the 29EA calendar day Contract extension caused by the 1) Inability to Access 25 Stockton Street, which impacted the sewer contract work; and 2) AT&T Cutover Acceleration work requiring unrestricted access to a vault 5829 (located on Geary Street), which limited the 1251 contract work. The SFMTA Contract Administrator requested that the narrative be revised to list the Contractor's actual number of delay days by each occurrence. In addition the CMB requested the RE propose to the Contractor in writing a request for a "full release" of all claims for Contract 1251 as a stipulation for SFMTA agreement to pay this contract change which will be included in the final closeout contract modification. This item will be brought back to the next CMB meeting.	M. Benson 10/03/12
2-	The PCC team presented for information only the 100% Estimates for contracts 1255 (MOS) and 1256 (STS) with escalation values. The escalation values are based off of a 3.3% growth per year and the previous contract strategy of separate stations contracts. Total escalation for MOS is 11.18% and STS \$13.65%.	
3-	The Project Trend/Change Control Log was viewed as a standing agenda item. An overview of the remaining Contract 1251 Trends to be brought before the CMB was given. In addition Contract 1252 trends were reviewed.	

ACTION ITEMS

ITEM #	MTG DATE	MTG ACTION DATE	DESCRIPTION	BIC	DUE DATE	STATUS
1	06/06/12	06/06/12	Configuration Management Procedures – update CMB voting members	E. Stassevitch	10/03/12	Open
4	06/13/12	07/11/12	1253 – Verification Interface Schedule Headwall Completed (219 CD from NTP)	E. Stassevitch	10/03/12	Open
3	07/25/12	07/25/12	1252 – MOS Traffic Signal – 1.5% Payroll tax	K. Barnhart	10/03/12	Open
1	08/08/12	08/08/12	Advertise Date Study - Revisions	A Ayres	10/03/12	Open
1	09/26/12	09/12/12	1251 – Trend #68 Revised Narrative	M. Benson	10/03/12	Open

Meeting adjourned at 5:00pm

These meeting minutes have been prepared by B. Ward and reviewed by R. Edwards, and are the preparer's interpretation of discussions that took place. If the reader's interpretation differs, please contact the author in writing within four (4) days of receipt of these minutes.

Signed:   [initials of preparer & reviewer] Date: 10/10/2012 [Date review completed]

Meeting Agenda

Project No. M544.1, Contract No. CS-149
Program/Construction Management
Configuration Management Board (CMB) Meeting No. 95
September 26, 2012
3:00pm – 5:00pm
 Central Subway Project Office
 821 Howard St. 2nd Floor
 Main Conference Room

Attendees:

Mark Benson	Albert Hoe	Matt Lee	Art Wong
Ross Edwards	Jim Kelly	Roger Nguyen	Luis Zurinaga
Shahnam Farhangi	David Kuehn	Joon Park	
John Funghi	Mark Latch	Eric Stassevitch	
John Haley	Brad Lebovitz	Beverly Ward	

1. **1250** – Nothing to Report
2. **1251** – Time Extension – Trend No. 68
3. **1252** – Nothing to Report
4. **1253 (UMS)** – Nothing to Report
5. **1254 (CTS)** – Nothing to Report
6. **1255 (MOS)** – Estimate Review 100% - Escalation
7. **1256 (STS)** – Estimate Review 100% - Escalation
8. **Trend/Change Log** –
9. **Other Business** –

Meeting Attendance Sheet

Project No. M544.1, Contract No. 149
Program/Construction Management
Configuration Management Board Meeting No. 95
September 26, 2012
3:00 p.m. – 5:00 p.m.
 Central Subway Project Office
 821 Howard, 2nd Floor
 Main Conference Room

Deliver Meeting Attendance Sheet with original signatures/initials to Document Control.

NAME	AFFILIATION	PHONE	E-MAIL (for minutes)	INITIALS
Please enter initials if your name is listed below. Please enter name, affiliation, phone number and email address if your name is not listed below.				
Benson, Mark	CSP	(415) 701-4295	Mark.Benson@sfmta.com	<i>MCB</i>
Dombrowski, Charles	Hill/PCC	(415) 701-5272	Charles.Dombrowski@sfmta.com	<i>CFA</i>
Edwards, Ross	CSP	(415) 581-5165	Ross.Edwards@sfmta.com	<i>RE</i>
Farhangi, Shahnam	SFMTA	(415) 554-0721	Shahnam.Farhangi@sfmta.com	
Funghi, John	SFMTA	(415) 701-4299	John.Funghi@sfmta.com	<i>JS</i>
Haley, John	SFMTA		John.Haley@sfmta.com	
Hoe, Albert	SFMTA	(415) 581-5164	Albert.Hoe@sfmta.com	
Kelly, Jim	SFMTA		Jim.Kelly@sfmta.com	
Kuehn, David	STV/PMOC	(510) 464-8053	David.kuehn@stvinc.com	
Latch, Mark	CSP	(415) 701-5294	Mark.Latch@sfmta.com	<i>ML</i>
Lebovitz, Brad	STV/PMOC	(510) 464-8052	Bradley.lebovitz@stvinc.com	<i>BL</i>
Lee, Matt	SFCTA	(415) 522-4813	matt@sfcta.org	<i>ML</i>

central subway

NAME	AFFILIATION	PHONE	E-MAIL (for minutes)	INITIALS
Nguyen, Roger	SFMTA	(415) 701-4312	Roger.Nguyen@sfmta.com	
Park, Joon	SFMTA	(415) 701-4742	Joon.Park@sfmta.com	<i>J.P.</i>
Stassevitch, Eric	CSP	(415) 701-4426	Eric.Stassevitch@sfmta.com	
Ward, Beverly	CSP	(415) 701-5291	Beverly.Ward@sfmta.com	<i>BW</i>
Wong, Arthur	SFMTA	(415) 701-4305	Arthur.Wong@sfmta.com	<i>aw</i>
Zurinaga, Luis	SFCTA	(415) 716-6956	Luis.zurinaga@sfcta.org	<i>LZ</i>
<i>Mike Acosta</i>	<i>CSP</i>	<i>701-5282</i>		<i>MA</i>
<p>* Sarah Wilson, Alexis Ayres + Ken Barnhart were all in attendance, but did not sign the sheet.</p>				
				<i>(Signature)</i>

TREND LOG ITEM NUMBER 68

SFMTA Contract No. 1251
UNION SQUARE/MARKET STREET STATION
UTILITIES RELOCATION

Contractor: Synergy Project Management Inc.
30 Grant Street, Suite 300
San Francisco, Ca 94108

SUPPLEMENTAL ANALYSIS (For CMB Presentation)

SCOPE OF WORK:

This Contract Modification compensates the Contractor for additional time related overhead (TRO) costs resulting from the 29EA calendar day Contract extension contained herein.

REASON FOR CHANGE:

Contract work could not be completed on time, due predominantly to the two reasons summarized below. Note that these changes were beyond the Contractor's control and combined to impact his schedule.

- Inability to Access 25 Stockton Street (Armani Store): The building owner was not cooperative in providing access to PG&E crews as required to complete gas cut-over work. This delayed the abandonment of an existing gas line which in turn delayed contract work activities (sewer manhole installation and water main connections), which required that the existing gas line be removed. Refer to attached sketch.
- SFMTA Directed AT&T Cutover Acceleration: The SFMTA requested that AT&T accelerate completion of its cut-over work as to minimize possible schedule impacts to the 1252 Contract and the Central Subway Program. AT&T stated that their crews would require unrestricted access to a critical vault, Vault 5829 (located on Geary Street), in order to meet the SFMTA's accelerated cutover work request. Granting such unrestricted access to AT&T entailed limiting the 1251 Contractor to work off of Geary Street. This subsequently delayed the final base Contract restoration work on Geary Street.

Note that it was known that the acceleration request and subsequent modified sequencing described above would impact the 1251 Contractor's schedule. It was determined that these time/cost impacts would be favorable to the potential time/cost impacts associated with further delays to the Central Subway Program.

Lastly, it should be noted that simultaneously to these two delays, the Contractor was able to mitigate possible delays related to SFWD differing conditions described below:

- Contract plans indicate existing laterals which were to be tied into. Upon inspection these laterals were found to be constructed with steel, a metal which is susceptible to corrosion. In order to complete the tie-in work, additional plumbing inside the properties was required to replace laterals with ductile iron piping as required to prevent possible corrosion and comply with SFWD requirements.
- Upon inspection it was found that the backflow preventer at Macys Men's was missing. Without this device the SFWD was prevented from making its connection. Due to this, it was decided to continue use of the existing main that feeds this property. Consequently, one additional water main cap and modifications of the tie-in at O'Farrell Street (tee instead of elbow) were required in order to ensure that the 1252 work could proceed without disruption.
-

ADDITIONAL INDIRECT COSTS ASSOCIATED WITH TIME EXTENSION:

\$106,967.02 Using previously determined daily indirect cost. See cost analysis section for more details.

COST ANALYSIS:

The Contractor and the SFMTA agreed on a total cost of \$106,967.02 to be a complete and final compensation cost for all additional indirect costs resulting from the 29 calendar day Contract time extension due to the previously discussed changes.

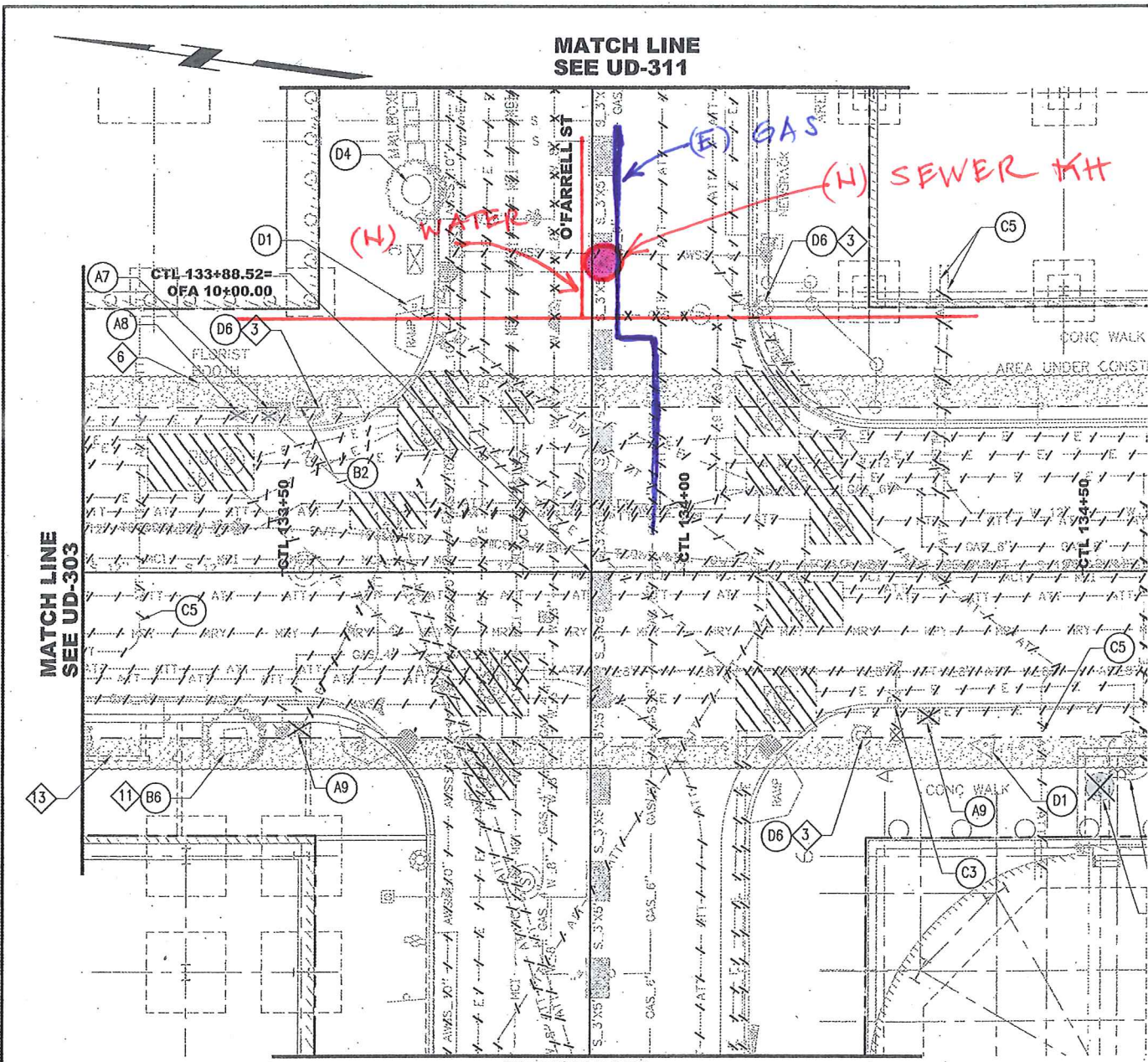
Using the daily indirect cost of \$3,604.18/calendar day established within Contract Modification No. 13, the 29 calendar day extension contained in this Contract Modification equates to a total indirect cost of \$106,967.02. Note that this total is inclusive of the contractual 2.34% bonds and insurance markup.

SCHEDULE ANALYSIS:

In order to determine the schedule impact of the changes contained herein the SFMTA PM/CM Scheduler conducted a review of the new critical path activities resulting from resequenced and delayed work. This was then compared to the latest SFMTA approved time impact analysis (TIA 16).

After this review it was determined that the additional work contained herein results in a 29 calendar day Contract extension (refer to attached P6 Schedule documenting this extension). The previous substantial completion date of 07/18/2012 (established under Contract Modification No. 17) will be extended to 08/16/2012 after execution of this Contract Modification.

\\CS2SA001\NCSm544.1\FinalDesign\Drawings\2-Civil\Utility Demolition\Sheet Files CP02\M54422UD304.dwg ESmatis Wed Jun 30, 2010 - 3:07 pm UD-304




NOTES:

1. COORDINATE WITH DPT FOR RELOCATION OF TRAFFIC SIGNAL PULL BOX.
2. NEWS RACK TO BE REMOVED BY OWNER PRIOR TO CONSTRUCTION.
3. SEE STRUCTURAL DEMOLITION (SD) FOR MORE INFORMATION.
4. SURVEYED ITEM NOT FOUND AND PRESUMED TO BE REMOVED FROM SITE.
5. TEMPORARILY RELOCATE TRASH RECEPTACLE AND RETURN TO ORIGINAL LOCATION.
6. (E) FLOWER STAND, SEE NOTE 19 ON DWG NO. UD-001
7. BUS SHELTER TO BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION
8. KIOSK TO BE REMOVED BY OWNER PRIOR TO CONSTRUCTION.
9. AWNING TO BE REMOVED BY OWNER PRIOR TO CONSTRUCTION.
10. RELOCATE TREES TO GEARY STREET. COORDINATE WITH 150 STOCKTON BUILDING OWNER.

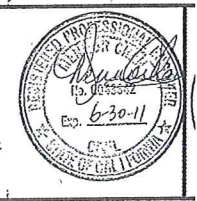
NOTES: (CONTINUED)

11. SALVAGE AND DELIVER TREES AND PLANTERS TO LOCATION SPECIFIED BY FRANCISCO RECREATION AND PARK DEPARTMENT.
12. TEMPORARILY RELOCATE BIKE RACK AND RETURN TO ORIGINAL LOCATION
13. HOTDOG STAND TO BE RELOCATED BY OWNER PRIOR TO CONSTRUCTION.
14. ITEM TO BE REMOVED/ABANDONED BY OWNER PRIOR TO CONSTRUCTION.
15. HOSE BIB. SEE WATER DISTRIBUTION (WD) DRAWINGS.
16. DEMOLISH AND BACKFILL ABANDONED PORTION OF PG&E VAULT. COORDINATE WORK WITH PG&E.
17. RELOCATE ILLUMINATED BART SIGN TO ELL 137+88, 24' RT. PROVIDE NEW FOUNDATION TO MATCH EXISTING. EXTEND ELECTRICAL SERVICE TO NEW POSITION.

DATE	ISSUED FOR	REV.	BY	CHECKED	APPROVED
07/08/2010	ISSUED FOR BID	0			


TELAMON ENGINEERING CONSULTANTS INC.

DESIGNED	MD	<i>Martin DePina</i>
DRAWN	EM	<i>Eric M...</i>
CHECKED	FR	<i>Frank...</i>
REVIEWED	MC	<i>Michael...</i>
RECOMMENDED	MF	<i>Matthew...</i>
APPROVED	RE	<i>Robert...</i>
DATE	JUL 8 - 2010	



Activity ID	Activity Name	Org Dur	Start	Finish	Total Float	2012											
						Jun	Jul	Aug	Sep	Oct	Nov	Dec					
1251 Utilities Relocation #2 TIA 16																	
STOCKTON (O'FARRELL TO MARKET) WEST (CTL 134 + 00 THRU ELL 137 + 00)																	
STK04-03-070	JOINT TRENCH (17-19 & 1 STOCKTON)	10	22-May-12 A	05-Jun-12	0	JOINT TRENCH (17-19 & 1 STOCKTON)											
STK04-03-TIA16 80	17-19: Install Utilities	1	06-Jun-12	06-Jun-12	0	17-19: Install Utilities											
STK04-03-080	SEWER	5	07-Jun-12	13-Jun-12	0	SEWER											
STK04-03-090	WATER	5	14-Jun-12	20-Jun-12	0	WATER											
STK04-03-TIA15 120	Additional Waterproofing at Top of New Apple Wall	1	21-Jun-12	21-Jun-12	0	Additional Waterproofing at Top of New Apple Wall											
STK04-03-010R	FINISH DEMO SIDEWALK	1	22-Jun-12	22-Jun-12	0	FINISH DEMO SIDEWALK											
STK04-03-TIA16 90	17-19: Block Out Basement, Build Access Hole and False Work	2	25-Jun-12	26-Jun-12	0	17-19: Block Out Basement, Build Access Hole and False Work											
STK04-03-100	RESTORATION	5	27-Jun-12	03-Jul-12	0	RESTORATION											
STK04-03-250	DEMOBILIZATION	10	05-Jul-12	18-Jul-12	0	DEMOBILIZATION											
PROJECT CLOSEOUT																	
PC-00-020	NOTICE OF SUBSTANTIAL COMPLETION	0		18-Jul-12*	0	NOTICE OF SUBSTANTIAL COMPLETION											
1251 Utilities Relocation #2 TIA 18																	
O'FARRELL (OFA 08 + 00 THRU OFA 11 + 50)																	
OFA-01-220A	O'Farrell- UTILITY VAULTS - East (QWT / UCCO / TCG)	10	17-May-12 A	01-Jun-12	-21	O'Farrell- UTILITY VAULTS - East (QWT / UCCO / TCG)											
OFA-01-240A	O'Farrell- Added PGE Gas Holes	3	04-Jun-12	06-Jun-12	-21	O'Farrell- Added PGE Gas Holes											
OFA-01-TIA 18 10	O'Farrell- PGE Conduit & Storm Connection Delay	18	07-Jun-12	02-Jul-12	-21	O'Farrell- PGE Conduit & Storm Connection Delay											
OFA-01-TIA 18 20	O'Farrell- Redig Gas Holes & Backfill for 7/7 Cutover	4	03-Jul-12	09-Jul-12	-21	O'Farrell- Redig Gas Holes & Backfill for 7/7 Cutover											
OFA-01-200R 2	O'Farrell- Complete MANHOLE EAST	2	20-Jul-12	23-Jul-12	-21	O'Farrell- Complete MANHOLE EAST											
OFA-01-140	O'Farrell- RESTORATION	5	24-Jul-12	30-Jul-12	-21	O'Farrell- RESTORATION											
GEARY (GEA 08 + 05 THRU GEA 12 + 00)																	
GEA-02-270A	Geary- AT&T Access to Manhole 5829 for Cut-Over	5	27-Jul-12	02-Aug-12	-21	Geary- AT&T Access to Manhole 5829 for Cut-Over											
GEA-02-140	Geary- RESTORATION	5	03-Aug-12	09-Aug-12	-21	Geary- RESTORATION											
TIE-IN HOLES																	
WTR-02-TIA 18 20	Tie- In Stockton (Geary to Ellis) line 2- Re-EXCAVATE P.O.C.	1	10-Jul-12	10-Jul-12	-21	Tie- In Stockton (Geary to Ellis) line 2- Re-EXCAVATE P.O.C.											
WTR-02-080 WD 01	Tie-In Stockton (Geary to Ellis) line 2- Water Department Measurements	1	11-Jul-12	11-Jul-12	-21	Tie-In Stockton (Geary to Ellis) line 2- Water Department Measurements											
WTR-02-080 WD 03	Tie-In Stockton (Geary to Ellis) line 2- Water Department Notifications / Fabricate	5	12-Jul-12	18-Jul-12	-21	Tie-In Stockton (Geary to Ellis) line 2- Water Department Notifications / Fabricate											
WTR-02-080 WD 04	Tie-In Stockton (Geary to Ellis) line 2- Water Department Tie-In	1	19-Jul-12	19-Jul-12	-21	Tie-In Stockton (Geary to Ellis) line 2- Water Department Tie-In											
DEMOBILIZATION																	
STK04-03-250	DEMOBILIZATION	10	03-Aug-12	16-Aug-12	-21	DEMOBILIZATION											
PROJECT CLOSEOUT																	
PC-00-020	NOTICE OF SUBSTANTIAL COMPLETION	0		16-Aug-12*	-29	NOTICE OF SUBSTANTIAL COMPLETION											

Approved through TIA 16

29 Calendar Days

		CTS	UMS, MOS & STS		UMS	MOS	STS
BASE		\$ 195,464,650			\$ 160,332,101	\$ 98,874,057	\$ 108,108,151
Prime Home Office Overhead	2.50%	\$ 4,886,616	Sales Tax	8.50%	\$ 7,257,274	\$ 5,046,660	\$ 4,844,930
Prime Profit	3.50%	\$ 7,012,294	Insurance/Bond	4.00%	\$ 6,413,284	\$ 3,954,962	\$ 4,324,326
Bond	0.80%	\$ 1,658,908	City Payroll Tax	1.50%	\$ 1,124,286	\$ 592,524	\$ 607,722
Builders Risk	0.35%	\$ 731,579	Small Tools/Misc	2.10%	\$ 3,366,974	\$ 2,076,355	\$ 2,270,271
Insurance	2.10%	\$ 4,404,835	OH&P	7.00%	\$ 12,494,574	\$ 7,738,119	\$ 8,410,878
		\$ 214,158,883			\$ 190,988,493	\$ 118,282,678	\$ 128,566,279
Escalation		9.385%	Escalation		11.18%	11.18%	13.65%
TOTAL		\$ 234,256,595			\$ 212,341,007	\$ 131,506,681	\$ 146,115,576

*UMS, MOS & STS percentage factors multiplied off the base cost and not compounded. OH&P is multiplied by compounded total.

MOS CN 1255- Base SCC by Calendar Year

MOS SCC Base	2013	2014	2015	2016	2017	Total \$
20.03	7,223,398	27,024,702	21,374,670	16,980,358	11,469,826	84,072,953
20.07	0	0	0	3,695,867	0	3,695,867
40.01	361,188	0	0	0	0	361,188
40.02	429,755	1,539,721	0	0	0	1,969,476
40.03	0	353,538	1,060,614	0	0	1,414,152
40.04	0	117,828	353,485	0	0	471,313
40.06	0	0	0	0	255,282	255,282
40.07	0	0	0	0	669,748	669,748
40.08	1,691,819	5,803,393	4,554,798	4,931,032	3,125,954	20,106,995
50.03	0	0	0	2,421,111	1,679,880	4,100,991
50.05	0	0	0	1,534,312	1,118,445	2,652,757
50.06	0	0	0	39,500	26,503	66,003
Period Total \$	9,706,160	34,839,181	27,343,567	29,602,180	18,345,638	119,836,725
Cumulative Total \$	9,706,160	44,545,341	71,888,908	101,491,087	119,836,725	

SCC Base Escalation	2013	2014	2015	2016	2017	Total \$
20.03	238,372	1,813,060	2,186,691	2,354,818	2,021,618	8,614,560
20.07	0	0	0	512,539	0	512,539
40.01	11,919	0	0	0	0	11,919
40.02	14,182	103,298	0	0	0	117,480
40.03	0	23,719	108,504	0	0	132,222
40.04	0	7,905	36,163	0	0	44,068
40.06	0	0	0	0	44,995	44,995
40.07	0	0	0	0	118,047	118,047
40.08	55,830	389,344	465,969	683,830	550,966	2,145,939
50.03	0	0	0	335,757	296,088	631,845
50.05	0	0	0	212,777	197,132	409,909
50.06	0	0	0	5,478	4,671	10,149
Period Total \$	320,303	2,337,326	2,797,327	4,105,199	3,233,517	12,793,672
Cumulative Total \$	320,303	2,657,629	5,454,956	9,560,155	12,793,672	

**Escalation
Compound**

2012	= Estimate Rate
2013	1.0330
2014	1.0671
2015	1.1023
2016	1.1387
2017	1.1763

132,630,397

Activity ID	Activity Name	Org Dur	Start	Finish	Total Float	2013												2014												2015												2016												2017												2018												2019																																																																							
						F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D																									
CSP - CURRENT MASTER PROJECT SCHEDULE																																																																																																																																																					
CENTRAL SUBWAY PROJECT																																																																																																																																																					
CONSTRUCTION PHASE																																																																																																																																																					
Construction MOS Station CN-1255																																																																																																																																																					
CN-1255 Contract Milestones																																																																																																																																																					
FDS1600	MOS CN 1255 NTP	0	14-Mar-13	14-Sep-17	468	◆ MOS CN 1255 NTP																																																																																																																																															
MOS2010	CN 1255 Req'd MOS Headwalls Complete (97 CD from NTP)	97	14-Mar-13	18-Jun-13	2	■ CN 1255 Req'd MOS Headwalls Complete (97 CD from NTP)																																																																																																																																															
MOS2020	CN 1255 Req'd MOS Tunnel Interface (CP 1-5) Complete (679 CD from NTP)	679	14-Mar-13	21-Jan-15	1405	■ CN 1255 Req'd MOS Tunnel Interface (CP 1-5) Complete (679 CD from NTP)																																																																																																																																															
MOS2030	CN 1255 Req'd MOS Access through Tunnel (980 CD from NTP)	980	14-Mar-13	18-Nov-15	1104	■ CN 1255 Req'd MOS Access through Tunnel (980 CD from NTP)																																																																																																																																															
MOS2040	CN 1255 Req'd MOS- STS Track Interface Complete (1119 CD from NTP)	1119	14-Mar-13	05-Apr-16	965	■ CN 1255 Req'd MOS- STS Track Interface Complete (1119 CD from NTP)																																																																																																																																															
MOS2050	CN 1255 Req'd MOS- STS Rooms Access Complete (1458 CD from NTP)	1458	14-Mar-13	10-Mar-17	626	■ CN 1255 Req'd MOS- STS Rooms Access Complete (1458 CD from NTP)																																																																																																																																															
MOS2060	CN 1255 Req'd MOS- STS Infrastructure Complete (1556 CD -> NTP)	1556	14-Mar-13	16-Jun-17	320	■ CN 1255 Req'd MOS- STS Infrastructure Complete (1556 CD -> NTP)																																																																																																																																															
MOS2070	CN 1255 Req'd MOS- Substantial Completion (1616 CD from NTP)	1616	14-Mar-13	15-Aug-17	468	■ CN 1255 Req'd MOS- Substantial Completion (1616 CD from NTP)																																																																																																																																															
MOS2080	CN 1255 Req'd MOS- Final Completion (1646 CD from NTP)	1646	14-Mar-13	14-Sep-17	468	■ CN 1255 Req'd MOS- Final Completion (1646 CD from NTP)																																																																																																																																															
N-MOS10110	MOS Tunnel Interface Finish MOS Head Walls	0	14-Mar-13	18-Jun-13	2	◆ MOS Tunnel Interface Finish MOS Head Walls																																																																																																																																															
N-MOS9910	MOS Tunnel Interface Finish Cross Passages 1-5	0	14-Mar-13	21-Jan-15	0	◆ MOS Tunnel Interface Finish Cross Passages 1-5																																																																																																																																															
N-MOS10190	MOS Access through tunnels Interface to STS	0	14-Mar-13	18-Nov-15	194	◆ MOS Access through tunnels Interface to STS																																																																																																																																															
N-MOS10120	MOS Track Interface to STS	0	14-Mar-13	05-Apr-16	0	◆ MOS Track Interface to STS																																																																																																																																															
N-MOS10130	MOS Interface for Access to Station Rooms for STS Contractor	0	14-Mar-13	10-Mar-17	305	◆ MOS Interface for Access to Station Rooms for STS Contractor																																																																																																																																															
N-MOS10200	MOS Interface for STS Infrastructure Complete	0	14-Mar-13	16-Jun-17	320	◆ MOS Interface for STS Infrastructure Complete																																																																																																																																															
MOS1500	MOS CN 1255 Substantial Completion	0	14-Mar-13	15-Aug-17	468	◆ MOS CN 1255 Substantial Completion																																																																																																																																															
MOS1510	MOS CN 1255 Closeout Complete	0	14-Mar-13	14-Sep-17	468	◆ MOS CN 1255 Closeout Complete																																																																																																																																															
Surface Level																																																																																																																																																					
N-MOS1250	MOS Get needed Permits & Submittals	30	14-Mar-13	24-Apr-13	15	■ MOS Get needed Permits & Submittals																																																																																																																																															
MOS1010	MOS Demolish 76 Gas Station	25	25-Apr-13	30-May-13	15	■ MOS Demolish 76 Gas Station																																																																																																																																															
MOS1020	MOS Mobilize & Establish Headhouse Worksite	5	19-Jun-13	25-Jun-13	2	■ MOS Mobilize & Establish Headhouse Worksite																																																																																																																																															
MOS1030	MOS Install Slurry Wall West Side & Headhouse	120	26-Jun-13	30-Jan-14	2	■ MOS Install Slurry Wall West Side & Headhouse																																																																																																																																															
MOS9730	MOS Construct Roof Slab for West Side & Restore Street	55	31-Jan-14	18-Apr-14	2	■ MOS Construct Roof Slab for West Side & Restore Street																																																																																																																																															
MOS9710	MOS Install Slurry Wall East Side (6 Day Calendar)	120	19-Apr-14	10-Sep-14	3	■ MOS Install Slurry Wall East Side (6 Day Calendar)																																																																																																																																															
MOS1050	MOS Construct Roof Slab East Side & Restore Street	20	11-Sep-14	08-Oct-14	2	■ MOS Construct Roof Slab East Side & Restore Street																																																																																																																																															
N-MOS10170	MOS Install Subsurface Headhouse & Ventilation Plenums	15	02-Sep-16	23-Sep-16	265	■ MOS Install Subsurface Headhouse & Ventilation Plenums																																																																																																																																															
N-MOS9050	MOS Install Vertical Circulation Elements (VCE)	100	07-Dec-16	28-Apr-17	322	■ MOS Install Vertical Circulation Elements (VCE)																																																																																																																																															
N-MOS10180	MOS Install Surface Level Framing	10	20-Jan-17	02-Feb-17	347	■ MOS Install Surface Level Framing																																																																																																																																															
MOS1230	MOS Surface Level M/E/A/P	35	27-Feb-17	14-Apr-17	304	■ MOS Surface Level M/E/A/P																																																																																																																																															
MOS1245	S&S Certification-Startup & Commissioning	75	01-May-17	15-Aug-17	322	■ S&S Certification-Startup & Commissioning																																																																																																																																															
Mezzanine Level																																																																																																																																																					
MOS1060	MOS Excavate & Install Temp Struts for Mez Level Slab	44	09-Oct-14	11-Dec-14	2	■ MOS Excavate & Install Temp Struts for Mez Level Slab																																																																																																																																															
MOS1080	MOS Construct Mez Slab at Station Box	20	12-Dec-14	15-Jan-15	2	■ MOS Construct Mez Slab at Station Box																																																																																																																																															
N-MOS9750	MOS Construct Headhouse Mez Level Slab & Remove Temp Struts	20	09-Jun-16	07-Jul-16	210	■ MOS Construct Headhouse Mez Level Slab & Remove Temp Struts																																																																																																																																															
N-MOS10160	MOS Install Station Mez Level Walls & Headhouse Columns & Perimeter Walls	40	08-Jul-16	01-Sep-16	210	■ MOS Install Station Mez Level Walls & Headhouse Columns & Perimeter Walls																																																																																																																																															
MOS1090	MOS Install Internal Walls at Mez Level Station & Headhouse	20	19-Sep-16	14-Oct-16	210	■ MOS Install Internal Walls at Mez Level Station & Headhouse																																																																																																																																															
N-MOS1190	MOS Rough-In M/E/P/A at Mez Level	35	17-Oct-16	06-Dec-16	210	■ MOS Rough-In M/E/P/A at Mez Level																																																																																																																																															
MOS1190	MOS Finish M/E/P/A at Mez Level	55	07-Dec-16	24-Feb-17	220	■ MOS Finish M/E/P/A at Mez Level																																																																																																																																															
N-MOS1230	MOS - Emergency Ventilation Equipment	60	14-Dec-16	10-Mar-17	210	■ MOS - Emergency Ventilation Equipment																																																																																																																																															
Concourse Level																																																																																																																																																					
MOS1130	MOS Excavate & Install Temp Struts to Level 4	30	16-Jan-15	27-Feb-15	2	■ MOS Excavate & Install Temp Struts to Level 4																																																																																																																																															
N-MOS9740	MOS Shore/Fill Existing Tunnel for Stability	28	22-Jan-15	03-Mar-15	0	■ MOS Shore/Fill Existing Tunnel for Stability																																																																																																																																															
N-MOS10150	MOS Excavate to bottom of Concourse Slab	15	04-Mar-15	24-Mar-15	0	■ MOS Excavate to bottom of Concourse Slab																																																																																																																																															
MOS1140	MOS Construct Station Concourse Level Slab & Remove Temp Struts at Station Site	25	25-Mar-15	28-Apr-15	0	■ MOS Construct Station Concourse Level Slab & Remove Temp Struts at Station Site																																																																																																																																															
N-MOS9745	MOS Construct Headhouse Concourse Level Slab & Remove Temp Struts	50	26-Jan-16	05-Apr-16	0	■ MOS Construct Headhouse Concourse Level Slab & Remove Temp Struts																																																																																																																																															

MOS- STS CN 12556- Base SCC by Calendar Year

STS SCC Base	2013	2014	2015	2016	2017	2018	Total \$
10.02	0	1,369,110	0	0	0	0	#NAME?
10.06	0	0	0	0	1,312,525	0	1,312,525
10.07	0	0	5,000,020	6,315,558	5,874,476	0	17,190,054
10.09	0	0	0	0	7,942,839	0	7,942,839
10.10	647,731	824,384	0	0	0	0	1,472,115
10.12	343,168	587,617	589,967	1,580,499	1,249,910	0	4,351,161
20.01	663,239	0	0	0	0	0	663,239
40.01	508,848	0	0	0	0	0	508,848
40.02	12,203,960	483,146	0	0	0	0	12,687,106
40.03	327,724	0	0	0	0	0	327,724
40.06	0	563,134	0	0	0	0	563,134
40.07	1,736,842	0	0	0	0	0	1,736,842
40.08	1,581,838	407,389	556,942	709,726	6,994,442	2,317,435	12,567,772
50.01	0	0	0	0	32,136,740	11,800,209	43,936,949
50.02	172,938	220,102	0	0	4,065,832	972,756	5,431,628
50.04	0	0	0	0	14,628,302	3,499,841	18,128,143
50.05	0	0	0	0	10,606,032	2,537,507	13,143,539
Period Total \$	18,186,288	4,454,883	6,146,929	8,605,782	84,811,099	21,127,748	143,332,728
Cumulative Total \$	18,186,288	22,641,171	28,788,100	37,393,882	122,204,980	143,332,728	

STS Base Escalation	2013	2014	2015	2016	2017	2018	Total \$
10.02	0	68,516	0	0	0	0	68,516
10.06	0	0	0	0	206,680	0	206,680
10.07	0	0	423,482	760,967	925,037	0	2,109,486
10.09	0	0	0	0	1,250,736	0	1,250,736
10.10	10,688	41,256	0	0	0	0	51,943
10.12	5,662	29,407	49,968	190,436	196,820	0	472,292
20.01	10,943	0	0	0	0	0	10,943
40.01	8,396	0	0	0	0	0	8,396
40.02	201,365	24,179	0	0	0	0	225,544
40.03	5,407	0	0	0	0	0	5,407
40.06	0	28,182	0	0	0	0	28,182
40.07	28,658	0	0	0	0	0	28,658
40.08	26,100	20,388	47,171	85,516	1,101,395	453,438	1,734,006
50.01	0	0	0	0	5,060,480	2,308,871	7,369,351
50.02	2,853	11,015	0	0	640,235	190,333	844,436
50.04	0	0	0	0	2,303,477	684,791	2,988,268
50.05	0	0	0	0	1,670,101	496,498	2,166,599
Period Total \$	300,073	222,941	520,620	1,036,919	13,354,960	4,133,930	19,569,442
Cumulative Total \$	300,073	523,014	1,043,634	2,080,553	15,435,513	19,569,442	

Escalation
Compound
 = Estimate Rate
 July 2012
 2013 1.0165
 2014 1.0500
 2015 1.0847
 2016 1.1205
 2017 1.1575
 2018 1.1957

for only half of year

162,902,170

CENTRAL SUBWAY PROJECT
Project Trend/Change Control Log

Projected Trends versus Current Cost Estimate and Allocated Contingencies													
Item #	Date Initiated		Change Description	Change Type	CMB No.	Status		Projected Cost Impact +Exposure/(Benefit)		Comments	Modification Number	Completed by Project Controls Manager per Completed Change Form	
						Action	Date	Actual/Forecast	Potential Change			Verifier Name	Date
CONSTRUCTION TRENDS													
Contract 1250 - Utilities Relocation #1 (Portal & MOS)													
1250-0001	04/15/10	081-0001	Delete Option MF-OPT1 "Fire Protection Sprinkler System"	1	N/A				(50,000)	Status of ROCA? Cleared City Attorney's Office; to Shahnam for execution. [In "Current Forecast" - Sep2010 Cost Report.] COMPLETE, NO FURTHER ACTION; CMOD #1	CMOD #1 Approved	JB	04/20/10
1250-0002	05/07/10	081-0002	Changes to Sewer on 4th between Howard and Folsom	2	CMB-0001	Agree	07/12/10		+107,174	Differing conditions as AWSS is directly over existing sewer; unable to install sewer manhole per plan. [In "Current Forecast" - Sep2010 Cost Report.] No reimbursement from SFPUC Sewer. COR #2-\$34,135; COR #5-\$73,039 COMPLETE, NO FURTHER ACTION; CMOD #2	CMOD #2 Approved		
1250-0003	05/28/10	081-0003	Quantity Adjustment for JT-6 and JT-7	4	CMB-0002	Agree	08/04/10		+192,420	In April 2010 pay app, JT-6 bid qty exceeded by 344% (230 vs 1021) and JT-7 bid qty exceeded by 112% (500 vs. 1060) [In "Current Forecast" - Sep2010 Cost Report.] COMPLETE, NO FURTHER ACTION; CMOD #3	CMOD #3 Approved		
1250-0004	07/02/10	081-0004	Demolition of existing brick and concrete footing on 4th between Howard and Folsom	2	CMB-0003	Agree	07/12/10		+170,000	Unforeseen bricks and concrete footing discovered on east side of 4th Street between Folsom and Howard. [In "Current Forecast" - Sep2010 Cost Report.] COR #3-RFI #76 COMPLETE, NO FURTHER ACTION; CMOD #4	CMOD #4 Approved		
1250-0005	04/20/10	081-0005	Modify AWSS at 4th/Bryant and 4th/Harrison	3	CMB-0004	Agree	08/04/10		+586,000	At 4th/Bryant, AWSS conflict with new 48" sewer and AT&T ductbank. At 4th/Harrison, AWSS conflict with 18" sewer. [In "Current Forecast" - Sep2010 Cost Report.] No reimbursement from SFPUC AWSS. PCC #2: RFI #s 34, 49 & 51 COMPLETE, NO FURTHER ACTION; CMOD #5	CMOD #5 Approved		
1250-0006	04/29/10	081-0006	Install four additional piles and reinforce existing foundation at 401 4th Street	2	CMB-0005	Agree	08/25/10		+130,000	Existing foundation was discovered to be part brick and part concrete, which is different from plan. Also, foundation was unstable and required additional reinforcement. Refer to RFIs #85R1, 88.1, 100, 101, 102 COMPLETE, NO FURTHER ACTION; CMOD #6	CMOD #6 Approved		
1250-0007	10/06/10	081-0007	Additional work to install 48" sewer due to various utility conflicts at 4th/Bryant	2	N/A				+32,964	48" RCP sewer in conflict with existing AT&T ductbank that needs to remain in service until new joint trench is installed to enable switchover. This conflict forced contractor into a more expensive means to install sewer. Also, 48" RCP sewer in conflict with existing 30" force main and 24" steel pipes. No reimbursement from SFPUC Sewer. COMPLETE, NO FURTHER ACTION; CMOD #9	CMOD #9 Approved		
1250-0008	10/06/10	081-0008	Relocate TPC vault on 4th Street between Howard and Folsom	6	N/A				+19,500	Contractor uncovered existing TPC conduits on top of AT&T ductbank on 4th near Howard, a differing site condition. An AT&T intercept vault is to be installed, however, TPC conduits can not reside inside AT&T intercept vault. Joint Trench utilities participation cost TBD. Executed on 10/14/2010. Refer to RFI #62 (\$19,500) Expected Reimbursement from TPC. RE has provided documentation of notification to TPC, July-August '10. See final 1250 Form B actual costs COMPLETE, NO FURTHER ACTION; CMOD #8	CMOD #8 Approved		
1250-0009	10/06/10	081-0009	Install additional sewer and provide temporary connections at 4th/Stillman	3	N/A				+47,000	Location of existing sewer to be intercepted differs from where it's shown in the plan, hence additional sewer to be installed. Also, due to optional sewer MH not buildable until (E) AT&T DB is removed, additional sewer is necessary to tie into (E) main as interim. New sewer is supposed to tie into optional MH. No reimbursement from SFPUC Sewer. RFI #91 COMPLETE, NO FURTHER ACTION; CMOD #7	CMOD #7 Approved		

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1250-0010	10/06/10	081-0010	6	N/A				+48,181	AT&T was supposed to tie-in its own facility. However, AT&T's contractor, who is hired to install vaults, stated it is not in their scope of work. Refer to RFI #82.1. AT&T intercept vault at 4th/Harrison can not be installed at design location due to utility conflicts. AT&T vault to be shifted a few feet instead of vault being on top of existing ductbank. This will cause additional excavation, joint trench and modification to existing ductbank. Joint Trench utilities participation cost TBD. SFMTA and AT&T are negotiating with Contractor. (\$48,181) Expected Reimbursement from AT&T. RE has provided documentation of notification to AT&T, Sept-Oct '10. See final 1250 Form B actual costs. COMPLETE, NO FURTHER ACTION; CMOD #10	CMOD #10 Approved		
1250-0011	10/06/10	081-0011	2					-0-	This change order has been incorporated in CMOD #16 (Trend #30) COMPLETE, NO FURTHER ACTION; CMOD #16	CMOD #16 Approved		
1250-0012	10/06/10	081-0012	6	CMB-0047	Agree	08/03/11		+67,798	This is the total of all force account work related to AT&T facility. SFMTA to seek reimbursement from AT&T through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #21	CMOD #21		
1250-0013	10/06/10	081-0013	6	CMB-0047	Agree	08/03/11		+30,547	This is the total of all force account work related to PG&E facility. SFMTA to seek reimbursement from PG&E through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #21	CMOD #21		
1250-0014	10/06/10	081-0014	2					-0-	This change order has been incorporated in CMOD #16 (Trend #30) COMPLETE, NO FURTHER ACTION; CMOD #16	CMOD #16 Approved		
1250-0015	10/06/10	081-0015	2					+290,703	Midden deposits were discovered on 4th Street between Howard and Folsom. Contractor stopped work. Contractor requesting payment for rental charges of trench plates, barricades, and shoring, and cost of maintenance. Total cost exposure is projected through end of November 2010. The \$290,703.00 is expected to be the final estimate for the rental of trench plates, barriers and shoring. COMPLETE, NO FURTHER ACTION; CMOD #20	CMOD #20		
1250-0016	10/06/10	081-0016	1	CMB-0016	Agree	11/10/10		+156,418	New alignment is proposed by Design team. CM awaiting cost proposal from Contractor. No reimbursement from SFPUC AWSS. COR #33 Supplemental COMPLETE, NO FURTHER ACTION; CMOD #12	CMOD #12 Approved		
1250-0017	10/06/10	081-0017	6					+6,400	CM reviewing COR for merit. Expected Reimbursement from PG&E or work to be deferred \$6,400. RE has notified PG&E via email dated 10/29/10 that SFMTA expects full reimbursement for this work if implemented. Follow-up pending. Work was not performed and will need to be addressed in a future contract.			
1250-0018	10/06/10	081-0018	6					+25,000	CM reviewing COR for merit. Expected Reimbursement from PG&E or work to be deferred \$25,000. RE has notified PG&E via email dated 10/29/10 that SFMTA expects full reimbursement for this work if implemented. Follow-up pending. Work was not performed and will need to be addressed in a future contract.			
1250-0019	10/06/10	081-0019	2					-0-	Old Note: Potential delay claim if issue extends project duration. Amount is estimated at \$3,000.00 per day for 60 days (\$180K). New Note: By exercising all option work, additional 84 calendar days is added to the contract time. In addition, midden mitigation will start on 10/7/10. As a result, the potential for extended overhead cost is averted. This trend has been superseded by Trend #37. COMPLETE, NO FURTHER ACTION			
1250-0020	10/06/10	081-0020	3					+39,062	Inverts of existing sewer where new sewer will tie into are found to be different than shown in plan and would create a reverse slope. Additional pipe and manhole are required to fix slope. Refer to RFI Nos. 2S01 and 147. No reimbursement from SFPUC Sewer. COMPLETE, NO FURTHER ACTION; CMOD #11	CMOD #11 Approved		
1250-0021	10/06/10	081-0021	2					+100,000	Existing AWSS lateral at SW 4th/Harrison is in conflict with new 18" sewer. Instead of modifying the lateral to avoid the sewer, a new lateral at NW corner is a preferred solution. CM awaiting design revision from Design team. Trend No. 21 is combined with Trend No. 22.			

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1250-0022	10/06/10	081-0022	2	CMB-0026	Agree	01/12/11	+160,908		AWSS Point of connection on 4th Street was found to be cast iron instead of ductile iron as shown in DPW as-built. Due to this differing condition, additional length of pipe needs to be replaced and lead joint to be installed in order to install a ductile iron tee. Also, existing AWSS hydrant lateral is in conflict with new 18" sewer. The preferred solution was to install a new ductile iron lateral at a different location rather than installing vertical offsets on an existing cast iron lateral. No reimbursement from SFPUC AWSS. COMPLETE, NO FURTHER ACTION; CMOD #15	CMOD #15 Approved		
1250-0023	10/06/10	081-0023	3				+24,981		Sewer at Clementina was delayed by 2 months due to PG&E vault conflict. PG&E will not pay cost of steel plates and shoring standby because PG&E drawings were sent to MTA during design phase and PG&E was not made aware of the conflict then. COMPLETE, NO FURTHER ACTION; CMOD #13	CMOD #13 Approved		
1250-0024	10/06/10	081-0024	6	CMB-0048	Agree	08/24/11	+95,311		Contract specs specified AT&T to compensate contractor directly for workaround & support. AT&T refused to pay Synergy. Synergy considers AT&T's refusal as a changed condition to CN 1250 contract. (\$95,311) Reimbursement from AT&T. See Final 1250 Form B actual costs. COMPLETE, NO FURTHER ACTION; CMOD #19	CMOD #19		
1250-0025	10/06/10	081-0025	6				+182,980		Contract specs specified PG&E to compensate contractor directly for workaround & support. PG&E negotiated \$100,000 directly with Synergy and will pay synergy directly as well.			
1250-0026	10/06/10	081-0026	3	CMB-0028	Agree	02/09/11	+66,510		Total cost known to date (10/5/10) of all SFWD support and workaround. See COR #12, 20, 32 and 35. Agreed amount is total of COR #12, 20 and 32. Total exposure is equal to agreed amount plus COR #35. No reimbursement from SFWD. COMPLETE, NO FURTHER ACTION; CMOD #14	CMOD #14 Approved		
1250-0027	10/06/10	081-0027	2				+115,789		Synergy is asked to provide trucking for delivery of midden soil to Sonoma State University lab. Other support work includes traffic control, plating, loading and unloading of midden soil. The amount shown are charges up to end of November 2010 only. Additional charges are expected which will be tracked as Trend No. 28. COMPLETE, NO FURTHER ACTION; CMOD #20	CMOD #20		
1250-0028	12/08/10	081-0028	2				+50,000		Synergy is asked to provide trucking for delivery of midden soil to Sonoma State University lab. Other support work includes traffic control, plating, loading and unloading of midden soil. The amount shown are expected charges beyond November 2010. COMPLETE, NO FURTHER ACTION; CMOD #20	CMOD #20		
1250-0029	12/08/10	081-0029	4	CMB-0036	Agree	05/04/11	+112,500		Bid item UD-10 is to pay for excavation of connection hole and kill hole for SFWD line. Contract only included 200 cubic yard for this work. The size of excavations is dictated by field conditions and per the direction of SFWD inspector. RE's estimate of the total volume of dirt to be excavated is 630 cy. Examples of differing conditions encountered are: location of existing water line is different than where it's shown in the plan, existing waterline where shown in the plan to be connected to is inactive, differing condition at 5th/Clementina, connection holes and kill holes need to be expanded due to other utilities in the way. COMPLETE, NO FURTHER ACTION; CMOD #17	CMOD #17 Approved		
1250-0030	12/08/10	081-0030	4	CMB-0030	Agree	04/13/11	+235,595		This change order is to supplement GE-4 for cost overrun related to the installation of publicly owned infrastructure only. GE-4 cost overrun for installation of privately owned infrastructure is being tracked separately and a separate change order will be issued. COMPLETE, NO FURTHER ACTION; CMOD #16	CMOD #16 Approved		
1250-0031	12/08/10	081-0031	4				(38,048)		Bid item GE-8 is an allowance to pay contractor for designing and constructing cast-in-place manholes as required for installation of new systems. Only one CIP vault was installed. Credit amount included in Trend #43			

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1250-0032	12/08/10	081-0032 Unused allowance for bid item UD-5 "Handling and disposal of Class I Hazardous Waste"	4					(50,807)	Bid item UD-5 is an allowance to pay contractor for handling and disposal of Class I Hazardous Waste. No class I hazardous waste was off hauled away from the job site. Class I soil found under the I-80 freeway was put back in the trench as backfill. This bid item is expected to remain unused. However, contractor is claiming to recover "General Conditions" cost. Credit amount included in Trend #43			
1250-0033	12/08/10	081-0033 Unused allowance for bid item UD-6 "Transportation of Class I Hazardous Waste"	4					(76,210)	Bid item UD-6 is an allowance to pay contractor for transporting of Class I Hazardous Waste. No class I hazardous waste was off hauled away from the job site. Class I soil found under the I-80 freeway was put back in the trench as backfill. This bid item is expected to remain unused. However, contractor is claiming to recover "General Conditions" cost. Credit amount included in Trend #43			
1250-0034	12/08/10	081-0034 Cost overrun for bid item TR-6 "Allowance for manual traffic control"	4	CMB-0037	Agree	05/04/11		+68,820	Bid item TR-6 is an allowance to pay for off-duty police officers and parking control officers. Contract allowance amount is \$50,000.00. Contract specs calls for police officers at 4 intersections (4th/Howard, 4th/Folsom, 4th/Harrison and 4th/Bryant). The average cost of 1 police officer is about \$800.00 per day (\$100.00 per hour). The \$50,000.00 allowance is only good for 60 days for 1 police officer. Hence, additional money was needed for traffic control support. Final amount paid police officers is \$87,500.00. Additional billings for parking control officers (from Al Herce of DPT) is forthcoming; RE estimated this bill to be about \$60,000.00. COMPLETE, NO FURTHER ACTION; CMOD #18	CMOD #18 Approved	SS	05/04/11
1250-0035	12/08/10	081-0035 Premium cost for requesting contractor to accelerate work on 4th Street between Howard and Folsom	2					+35,000	Due to archaeological discoveries, many trenches remained open and the project would not have enough time to complete installation of underground utilities and restore the roadway before the Holiday season. Without accelerating the work, the project would have had to pay rentals for the barriers, street plates and shoring for the unfinished trenches that would have remained. By accelerating the work and DPT allowing the contractor to work through the beginning of the Holiday Moratorium, the project avoided these rental costs, which is estimated to be greater than the premium cost of accelerating the work. COMPLETE, NO FURTHER ACTION; CMOD #20	CMOD #20		
1250-0036	12/08/10	081-0036 Rental/Maintenance costs for support of Archeological Trenches (Part 1 of 4) \$255,840; Support Work During Archeologist Mitigation Efforts (Part 2 of 4) \$199,741; Mobilization and Equipment Standby Costs (Part 3 of 4) \$67,728; Additional Overhead/Indirect Costs During Archeological Delay Period (Part 4 of 4) \$124,186	2	CMB-0041	Agree	07/13/11 02/15/12 07/25/12 09/12/12		+597,497	Due to archaeological discoveries, contractor may potentially claim for compensation for his equipment that were idle for the duration of the waiting period. RE's estimate is based on Caltrans rate for equipment standby for 5 months (May to October). RE has not received any change order request related to this item. RE to verify if his equipment were indeed idle during this time period. 2/15: Rental/Maintenance Costs for Support (Part 2 of 4); Addl Work as Result of Archeological Shutdown (3 of 4). 07/25: Revised mod - compensation for 1 of 3) Rental/Maintenance, 2 of 3) Addl Work result of Archeological support, 3 of 3) Addl OH/Indirect cost. RE to add Equipment Standby time to revised mod. 09/12: RE to Prepare Modification; CMOD #20	CMOD #20		
1250-0037	12/08/10	081-0037 Compensation for loss of production, inefficiency and disruption of work due to archaeological discovery	2					+100,000	Due to archaeological discoveries, contractor may potentially claim for compensation for loss of production, inefficiency and disruption of work. RE has not received any change order request related to this item. Amount shown is a ROM cost by the RE. RE expects a COR from the contractor but change justification is very unlikely. Initial draft COR was \$898,453. RE has adjusted to \$661,559 removing the month of October and option work. This was then revised to 800,000. There has been no official submittal from Synergy. SFMTA has directed Synergy to submit anything related to the Architectural delays through the claims process. This will be carried in the Potential Claim Log. COMPLETE, NO FURTHER ACTION; CMOD #20	CMOD #20		
1250-0038	03/18/11	081-0038 Project Delay due to archaeological discovery and PG&E Issues.	2						switchover to Olivet University and de-energize a live ductbank in conflict with 48" sewer. The project will realize an estimated 6 weeks of non-compensable delay to the substantial completion date of 4/6/11. 47 days estimated by RE. Contractor submitted COR 51 in the amount of \$1,144,776.74 on September 1st, 2011. RE responded requesting additional backup on October 19th, 2011. Subsequently, no additional information has been provided by the contractor, therefore, SFMTA has directed Synergy to submit anything related to the Architectural delays through the claims process. This will be carried in the Potential Claim Log.			

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1250-0039	05/18/11	081-0039	Remove BP-4 (Waterproofing) from Contract	4						Bid item was not used. Contractor requesting compensation to recover for General Conditions cost. Bid item amount total is \$40,000. NO FURTHER ACTION; Superseded by COR #58. (See 1250-0043 below)	N/A		
1250-0040	05/18/11	081-0040	Delete SW-8 (24" Sewer) from Contract	4						Bid item was not used. Contractor requesting compensation to recover for General Conditions cost. Bid item amount total is \$73,117. NO FURTHER ACTION; Superseded by COR #58. (See 1250-0043 below)	N/A		
1250-0041	05/18/11	081-0041	Delete UD-5 and UD-6 (Class I Off haul and Handling) from Contract	4						Bid items were not used. Contractor requesting compensation to recover for General Conditions cost. Bid items total amount is \$150,000. NO FURTHER ACTION; Superseded by COR #58. (See 1250-0043 below)	N/A		
1250-0042	05/25/11	081-0042	Delete GE-6 (Hazmat) from Contract	4						Bid item was not used. Contractor requesting compensation to recover for General Conditions cost. Bid item amount total is \$100,000. NO FURTHER ACTION; Superseded by COR #58. (See 1250-0043 below)	N/A		
1250-9001	10/06/10	081-9001	Utility Companies refusal to contribute to utility support costs and work around. (Voided. Recorded individually in TR-0059-TR-	7							VOIDED		
1250-0043	08/03/11	081-0043	Unit Rate Adjustment for Entire 1250 Bid Items	4				(203,548)	(203,548)	Pursuant to General Provision GP-11, COR is to adjust contract value to account for fix overhead costs for bid items not performed or where the bid item performed varied by 25%. COMPLETE, NO FURTHER ACTION; CMOD #22	CMOD #22		
Contract 1250 Totals								+2,729,633	+543,264	Of the total cost exposure shown, changes have been absorbed by allocated contingency in the amount of \$2,860,848. Additional potential changes is <\$139,169> which reflects Utility Reimbursements. Currently, overall contract value remains unchanged in the amount of \$11,999,786.			
Contract 1251 - Utilities Relocation #2 (UMS)													
1251-0001	03/18/11	082-0001	Modify traffic control plan by establishing a single travel lane on Stockton St. in lieu of time-based multiple lane requirements as stipulated in contract plans TR-001 to 004.	7					-0-	After discussions with the Contractor and the Union Square Business Improvement District (BID), the SFMTA determined that modifying the lane requirements along Stockton St. and implementing the alternate pedestrian walkway design would be beneficial to the execution of CN 1251 in the following ways: increased public safety, increase construction production, and create a more pleasing environment to the public and merchant. COR #1	CMOD #4 Approved		
1251-0002	03/18/11	082-0002	Installation of reinforced concrete slab underneath Joint Trench along Stockton at O'Farrell (East Side). CTL 133+66.37 (27.08 LEFT) to CTL 134+00.87 (27.08 LEFT)	1&3	CMB-0035	Agree	04/20/11		+67,634	Pursuant to a commitment between Barney's and SFMTA, Emergency Stair #4 (to be constructed in CN 1253) must avoid existing subsidewalk basement. It was determined that moving the conflicting stairs would require the Joint Trench to be constructed in a manner that would enable it to span the excavated area. The addition of the invert slab allowed for the needed span thereby allowing for a relocation of Emergency Stair #4. COR #4; PCC #1 COMPLETE, NO FURTHER ACTION; CMOD #2	CMOD #2 Approved		
1251-0003	03/18/11	082-0003	Adjust placement of 3EA manholes along Geary Street and O'Farrell Street. The modified manhole locations require the installation of approximately 265LF of additional HDPE pipe inside the existing 3'x5' brick sewer.	1	CMB-0029	Agree	02/23/11		+148,919	During future station construction, the design team anticipates that excavation related settlement may cause damage to the brick sewers along Geary and O'Farrell Streets. This proposed modification will replace the vulnerable brick sewer within the influence zone with HDPE pipe that will not be as susceptible to settlement-induced damage. COR #9, PCC #2 COMPLETE, NO FURTHER ACTION; CMOD #1	CMOD #1 Approved	JH	6/9/2011

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1251-0004	04/06/11	082-0004	Changes to Neiman Marcus secondary enclosure wall due to various differing site conditions.	2	CMB-0031	Agree	04/13/11	+189,584		Due to various differing site conditions as described in RFIs 15, 37, 38 and 44, changes to the secondary enclosure wall are required. The existing footing were found to be inconsistent, i.e. missing footing in one area, footing sticks out beyond existing wall, overpour on existing footing, existing wall to be 6" into private property. Contract plan SR-302 shows a consistent footing. COR #8 COMPLETE, NO FURTHER ACTION; CMOD #3	CMOD#3 Approved	SS	10/5/2011
1251-0005	04/06/11	082-0005	Existing PG&E conduits were found on top and parallel to existing AWSS on Geary Blvd. at 2 locations (east and west of Stockton)	6				+127,893		Contract plans AW-501.1, 501.2, 501.4 and 501.4 show the existing AWSS to be replaced in place. However, existing PG&E conduits were found to be on top and parallel to the existing AWSS resulting in extra work in working around and/or shifting the existing electrical conduits. Contract plans JT-308 and 309 showed the existing electrical and AWSS to be separate. Estimate includes \$77,892.53 (Synergy FA Request) + \$25,000 (first digging west side) + \$10,000 (temp backfill during moratorium) + \$15,000 (plate rental west side at \$5k per month). Estimate does not include Synergy's cost to resequence his work. Updated projected cost impact from \$50,000 to \$127,893 based on compilation of force accounts received. RE is awaiting COR Cost proposal			
1251-0006	04/20/11	082-0006	Design changes to utilities on Stockton street between Post and Geary	1	CMB-0039	Agree	06/08/11	+398,624		Due to changes to the limits of the UMS Station on Stockton Street between Post and Geary, the original utility design has changed. COR #24, PCC #4 COMPLETE, NO FURTHER ACTION; CMOD #5	CMOD#5 Approved	SS	
1251-0007	04/20/11	082-0007	Design changes to utilities on Ellis Street	1	CMB-0049	Agree	08/24/11	(434,957)		Due to changes to the limits of the UMS Station on Ellis street, the original utility design has changed. RE has not determined cost impact. PCC #5 COMPLETE, NO FURTHER ACTION; CMOD #5	CMOD #5 Approved	SS	
1251-0008	04/20/11	082-0008	Elimination of underpinning at 150 Stockton	1				(65,284)		Based on field verification, it was determined that underpinning is no longer needed. Contract bid item SR-9 is for a total amount of \$116,000 measured by LF. However, CM team does not anticipate to recover the full amount because contractor may be entitled to retain general conditions cost and some excavation cost that was already performed but encumbered in Bid Item SR-9 COR #22, PCC #3 RE to negotiate			
1251-0009	04/20/11	082-0009	Additional cost for police officers and/or Parking Control Officers for traffic control.	4	CMB-0038	Agree	06/01/11	+261,584		Contract bid item TR-7 for manual traffic control in the amount of \$120,000 is insufficient to control traffic for the duration of the contract. The \$120,000 allowance only equates to one police officer for a duration of 7.5 months. At a minimum, it is anticipated that one police officer or PCO will be needed at Stockton/Post for the entire contract duration of 16 months. Additionally, one PCO is required for each intersection at Geary/Stockton and O'Farrell/Stockton. COMPLETE, NO FURTHER ACTION; CMOD #4	CMOD #4 Approved		
1251-0010	05/25/11	082-0010	Accelerate Stockton east between O'Farrell and Market	1				+27,409		Contractor needed to rent additional excavators to work concurrently with the other block on Stockton between O'Farrell and Market. Amount: \$27,409; COR #25 COMPLETE, NO FURTHER ACTION; CMOD #3	CMOD #3 Approved	SS	10/5/2011
1251-0011	06/22/11	082-0011	Potholing at 4th/Howard for PUC sewer design	1						Request from MOS utility design team to pothole for the intercept of a 36" force main sewer and 96" sewer. PUC requested that this be done in order to ensure that we have accurate utility information to avoid costly change orders during construction. COR #50, PCC #6 CLOSED, NO FURTHER ACTION: Per direction from CMB on January 18, 2012, this request is denied.			
1251-0012	07/06/11	082-0012	Additional cost to lower the AWSS at O'Farrell, east of Stockton, due to numerous existing utility conflicts.	2	CMB-0042, CMB-0050	Agree	8/3/2011, 9/21/2011	+278,351		The AWSS is in conflict with AT&T, PG&E and several other utilities and needs to be installed under all these utilities at about 11' deep (instead of 6' depth as noted in Plan AW-501.4, sheet note #5). During negotiations with the Contractor several items of work were found to be missing for the original cost estimates which increase the amount to \$278,351. RFI #76, COR #31 COMPLETE, NO FURTHER ACTION; CMOD #6	CMOD #6 Approved	SS	

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1251-0013	07/06/11	082-0013	Accelerate start of construction in front of Macys West by trenchless construction method	7				-0-	Micropile installation on Stockton east between O'Farrell and Market has proven to be much slower than anticipated. To mitigate this potential delay, contractor requested to start construction in front of Macys West. This is a no cost change order. COR 32 COMPLETE, NO FURTHER ACTION; CMOD #3	CMOD #3 Approved	SS	10/5/2011	
1251-0014	07/21/11	082-0014	Increase in Bid Item WD-10, Allowance for Additional Excavation and Backfill.	3	CMB-0055	Agree	09/14/11	+191,779	+198,221	This allowance is for the contractor to perform additional excavation, backfilling and restoration associated with the water tie-ins and capping for the distribution piping system. The contractor has performed two water service tie-ins at an average cost of \$14,000 per tie-in. The current number of tie-ins and capping is 35 separate points. This amounts to a total cost of \$490,000. The current contract allowance amount is \$100,000, therefore an additional \$390,000 will be needed to augment is bid item. CMB made a partial approve of up to \$200K. The initial Contract Modification to supplement this allowance is in the amount of \$191,778.62. COMPLETE, NO FURTHER ACTION; CMOD #9	CMOD #9 Approved	SS	
1251-0015	08/03/11	082-0015	Additional traffic signal work at Post/Stockton	1				+17,530		Modification of the traffic signal at Post/Stockton is required to implement the detour shown in contract plan TR-010. There are no bid item to bill this work. COR #19 COMPLETE, NO FURTHER ACTION; CMOD #8	CMOD #8 Approved	SS	
1251-0016	08/03/11	082-0016	Additional traffic signal work at Sutter/Mason	2				+32,054		Existing conduits shown in Plan ET-101 differs from what is actually in the field. City's response to RFI 73 directs contractor to install new conduits and conductors. RFI #73; COR #33 COMPLETE, NO FURTHER ACTION; CMOD #8	CMOD #8 Approved	SS	
1251-0017	08/03/11	082-0017	Furnish and install AT&T Manhole 5830 on O'Farrell Street	6	CMB-0051	Agree	09/21/11	+25,000		AT&T was supposed to hire its own subcontractor to furnish and install all AT&T vaults in CN 1251. AT&T requested SFMTA for Synergy to perform this work as change order to CN 1251. AT&T agreed to reimburse SFMTA through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #7	CMOD #7 Approved	SS	
1251-0018	08/03/11	082-0018	Furnish and install AT&T Manhole 5829 on Geary Blvd.	6	CMB-0051	Agree	09/21/11	+31,000		AT&T was supposed to hire its own subcontractor to furnish and install all AT&T vaults in CN 1251. AT&T requested SFMTA for Synergy to perform this work as change order to CN 1251. AT&T agreed to reimburse SFMTA through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #7	CMOD #7 Approved	SS	
1251-0019	08/03/11	082-0019	Extend joint trench and modify existing AT&T Manhole 403 on Ellis Street.	6	CMB-0057	Agree	10/26/11	+31,000		AT&T was supposed to furnish and install AT&T vault #5833 on Ellis Street. The current design was to intercept the existing AT&T conduit in the middle of Ellis Street. It was discovered that the existing AT&T conduit actually run adjacent to the southern curb line along Ellis Street. Therefore, AT&T requested SFMTA for Synergy to extend the joint trench approximately 200 feet to the West and tie into their existing AT&T vault #403. This work will also require Synergy to enlarge vault #403 to accept the additional conduit. This additional work for AT&T will need to be reimbursed to SFMTA through the Form B process. Note: The agreed amount (\$31,000.00) is for enlargement of vault #403 only; the additional 200 feet of trench to be captured in the JT bid items. (See Trend 60) COR #43 COMPLETE, NO FURTHER ACTION; CMOD #11	CMOD #11 Approved		
1251-0020	09/07/11	082-0020	Change PG&E conduit material from PVC to GRS on west side of Stockton between Geary and Post	6	CMB-0058	Agree	11/02/11		+21,410	PG&E requested to use GRS material in lieu of PVC in areas where PG&E conduits were expected to be exposed and temporary supported during future UMS station construction. PG&E agreed to reimburse SFMTA through the Form B process. RE to prepare modification			
1251-0021	09/07/11	082-0021	Revise PG&E service points and layout of primary lines at various locations, and delete Muni Vault 1850 A at Stockton/Ellis.	6						PG&E made changes to the locations of the service points and layout of some of the primary lines. In addition, due to changes to the limits of the UMS Station on Ellis Street, it was determined that Muni Vault 1850A is no longer needed. Cost for this trend in captured in Trend #31 or CMod #12. CLOSED; NO FURTHER ACTION. Cost for this trend is captured in Trend #31/CMod #12			

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1251-0022	09/07/11	082-0022	Change OCS supports at SF Hilton Hotel on Mason Street from embedded eyebolts to poles w/foundations.	7						During the design phase the representatives of the Hilton Hotel agreed to and signed a license agreement with the SFMTA to allow embedded eyebolt supports. Hilton's Dir of Property Ops now wants to have OCS poles rather than the embedded building eyebolt supports. However, the OCS designer was able to revise the OCS design to eliminate the need for either eyebolts or poles in front of Hilton Hotel, resulting in a \$2,000 credit. CLOSED; NO FURTHER ACTION. Applicable bid items to be adjusted accordingly, See Trend #60.			
1251-0023	09/07/11	082-0023	4th Street & Folsom Trolley Bypass	1	CMB-0065	Agree	1/25/2012, 2/29/12	+405,440		SFMTA Operations has requested a bypass be installed at 4th Street and Folsom Street. \$242,619 in labor costs for OCS installation has not been negotiated yet. 1/25: Condition agreed upon verification material from Contractor to be procured is available. (Verified 02/01/12). 02/29: CMod negotiated cost has been revised to incorporate original three items and the add'l OCS work on Folsom St. COR #52; PCC #7 Updated projected cost impact from \$490,000 to \$405,440. CMod #12 (Formally CMod #15) COMPLETE, NO FURTHER ACTION; CMOD #12	CMOD #12 Approved	MAB	03/28/12
1251-0024	09/07/11	082-0024	Install a 5" slurry wall between the gas line and wet utilities if the separation is less than 3 feet	6	CMB-0059	Agree	11/16/2011, 05/02/12		+204,610	As a new requirement, PG&E had requested that a 5" slurry wall be installed between the gas line and wet utilities where the separation between the 2 utilities is less than 3 feet. PG&E agreed to reimburse SFMTA through the Form B process. COR #58; Engineer's Estimate \$146,018 RE to prepare modification			
1251-0025	09/07/11	082-0025	Additional PG&E conduit crossings at Geary and O'Farrell to minimize service interruption during future UMS Station construction	6						PG&E requested to install additional conduits crossing Stockton Street at Geary and O'Farrell to minimize service interruption during future UMS Station construction. David Greenaway is coordinating with PG&E regarding reimbursement of additional cost through the Form B process. CLOSED; NO FURTHER ACTION. Item is captured under applicable JT Bid Item, See Trend 60.			
1251-0026	09/14/11	082-0026	Install cantilever footing in lieu of regular OCS foundation at 2 locations on Mason Street between Geary and O'Farrell	2						The sub-basement in the public parking garage at O'Farrell/Mason extends beyond the property line up to the curb line. Therefore, regular foundations as per original design could not be installed. CLOSED; NO FURTHER ACTION. Item is captured under applicable OCS Bid Item, See Trend 60.			
1251-0027	09/20/11	082-0027	Accelerate installation of AT&T facilities in order for AT&T to start cut-over sooner	1	CMB-0056	Agree	11/30/11	+281,435		Acceleration is necessary to avoid potential delay impacts to Central Subway follow-on contracts. Initial Cost Estimate \$287,000. COR #40 COMPLETE, NO FURTHER ACTION; CMOD #10	CMOD #10 Approved	MAB	
1251-0028	10/18/11	082-0028	Furnish and install AT&T Manholes 5828 (Stockton), 5831 (Geary), 5832 (O'Farrell) and 113 (O'Farrell)	6	CMB-0057	Agree	10/26/11	+157,000		AT&T was supposed to hire its own subcontractor to furnish and install all AT&T vaults in CN 1251. AT&T requested SFMTA for Synergy to perform this work as change order to CN 1251. AT&T agreed to reimburse SFMTA through the Form B process. COR #43 COMPLETE, NO FURTHER ACTION; CMOD #11	CMOD #11 Approved	MAB	
1251-0029	10/26/11	082-0029	Rebuild existing AT&T vault 133 at Post/Stockton and demolish existing AT&T vaults 403 (Ellis) and 113 (O'Farrell)	6						AT&T asked SFMTA to rebuild existing vault 133 (estimated cost at \$30k). Demolition of existing vaults 403 and 113 was done on force account but was not included in the cost shown in Trend No. 28 and 19 (estimated cost at \$20k). AT&T agreed to reimburse SFMTA through the Form B process. COR #64 Vault 133 rebuild is superseded by Trend 40. Demolition of existing vaults 403 and 113 is superseded by Trend 43. Updated projected cost impact from \$50,000 to \$0. CLOSED; NO FURTHER ACTION. Demo of exiting vaults 403 and 113 are superseded by Trend 43.			

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1251-0030	10/26/11	082-0030	Enlarge existing PG&E vault 873 at SW Geary/Stockton	6	CMB-0058	Agree	11/02/11		+40,000	PG&E asked SFMTA to enlarge vault 873. PG&E agreed to reimburse SFMTA through the Form B process. CMB approved a NTE amount of \$40K RE to prepare modification			
1251-0031	10/26/11	082-0031	Additional PG&E conduits crossing O'Farrell on east side of Stockton (Task Order #32)	6	CMB-0058	Agree	11/02/11		+27,534	PG&E asked SFMTA to install additional conduits. PG&E agreed to reimburse SFMTA through the Form B process. RE to prepare modification			
1251-0032	11/08/11	082-0032	Excavation and restoration cost for PG&E gas tie-in and kill holes.	6	CMB-0059	Agree	11/16/2011, 05/02/12		+98,439	PG&E gas drawings were not included in the bid package and there was no bid item to capture this work. Gas drawings was issued by PG&E in June 2011. PG&E agreed to reimburse SFMTA through the Form B process. Updated projected cost impact from \$202,400 to \$169,087 due to reduction in number of kill holes from 18 to 15. 04/11: Discovery of actual number of Kill/Tie locations being 26 instead of 15 will require confirmation from PG&E of the locations and the new cost of scope of work. RE to prepare mod			
1251-0033	11/23/11	082-0033	Install secondary enclosure wall at One Stockton (Apple Store)	1	CMB-0068	Agree	03/07/12	+408,700		Additional enclosure wall is design initiated change. COR #47, PCC #9 Updated projected cost impact from \$262,484 to \$408,700. 39 Calendar Day Time Extension COMPLETE, NO FURTHER ACTION; CMOD #13 (formally CMOD #14)	CMOD #13 Approved	MAB	4/21/2012
1251-0034	01/10/12	082-0034	Install temporary support as required to protect existing live utilities that are encroaching into the City right-of-way in front of 17-25 Stockton Street.	2	CMB-0069	Agree	04/04/12		+346,452	Existing utilities that are in active service were discovered in the City public right-of-way and are obstructing the performance of Contract work. Worst case scenario - "Not to Exceed" value) CM team will report actual amount value at a later date COR #71 CMB agreed to a Not-to-Exceed amount of \$346,456 on 4/4/12. All physical work was scheduled to complete by 4/13/12 RE to prepare modification	CMOD #17 Approved	MAB	6/28/2012
1251-0035	01/11/12	082-0035	Potholing on Stockton between Post and Geary for UMS Station design	1						UMS Design Team requested 1251 to pothole (6'Wx12'Lx8'D) on Stockton between Post and Geary to locate existing piles and tie-backs at Union Square. Cost for this scope of work from the Contractor is \$19,870.73. Per direction from the CMB on Jan 18th this request is denied and the DP2 designer will cover this potential future obstruction with a note on the drawings. COR #53 CLOSED; NO FURTHER ACTION. Per direction of CMB on 1/18/12, this request is denied and DP2 Designer will cover this potential future obstruction with a note on the drawings.			
1251-0036	01/11/12	082-0036	Install three 6" PG&E conduits from vault 5800 to PG&E "A" pullbox at 4th/Bryant.	6						CN 1252 Contract is requesting 1251 to install PG&E conduits in order to bring power in advance of the tunnel equipment arrival. The scope of work, which involves trenching at the busy 4th/Bryant intersection, was part of the 1252 contract, hence, a credit of same amount (\$54,892.07) to be due back to 1252. Based upon a field meeting and discussions with BIH on Jan 17th this work will be done under CN 1252 as originally planned. COR #55 CLOSED; NO FURTHER ACTION. Based on field meeting with BIH on 1/17/12; this work will be completed under CN 1252 as planned.			
1251-0037	01/17/12	082-0037	Install sewer lateral from the Gucci building (240 Stockton) to the main sewer on Maiden Lane. Work will involve plumbing modification inside building to raise invert.	3	CMB-0078	Agree	09/12/12		+25,926	After field investigation, the existing sewer lateral was found to connect to the Stockton main near Geary. However, the location where the lateral is connected to the main is inside the footprint of the UMS station, in which the main is shown in the contract plan to be slurry filled. The contract plan shows the lateral to be connected to the main on Maiden Lane but is not possible due to invert problem. At the CMB meeting on 1/18/12, Albert Hoe reported that he had instructed the design team during the design phase to investigate this lateral and make the connection to the sewer main at Maiden Lane. RE was asked to investigate if this could be a possible error and omission by the sewer design. (See Trends #44 and 45) RE to negotiate			

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1251-0038	01/04/12	082-0038	Reimburse Synergy for JCDecaux work to remove kiosks	1	CMB-0064	Agree	01/04/12		+29,268	JCDecaux refused to remove the remaining kiosks (2ea) without being paid for work already completed. RE to prepare modification		
1251-0039	01/17/12	082-0039	Furnish and install 2ea benches along 5th Street	1					+5,250	Requested by Muni Operation. RE to prepare mod		
1251-0040	02/15/12	082-0040	Furnish and install AT&T Manholes 133 at Post/Stockton	6	CMB-0070	Agree	04/11/12	+45,000		AT&T requested SFMTA for Synergy to rebuild manhole 133 at Post/Stockton. COR #64 AT&T agreed to reimburse SFMTA through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #14	CMOD #14 Approved	MAB 04/24/12
1251-0041	02/15/12	082-0041	Install additional 55 LF of AT&T trench to extend conduits from vault 5832 to vault 113 on O'Farrell Street	6	CMB-0070	Agree	04/11/12	+23,704		AT&T requested SFMTA for Synergy to extend their conduit from vault to vault instead of wye-casting into exiting ductbank. COR #63 AT&T agreed to reimburse SFMTA through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #14	CMOD #14 Approved	MAB 04/24/12
1251-0042	02/15/12	082-0042	Install additional 95 LF of AT&T trench to extend conduits from vault 5831 to vault 129 on Geary Blvd.	6	CMB-0070	Agree	04/11/12	+31,525		AT&T requested SFMTA for Synergy to extend their conduit from vault to vault instead of wye-casting into exiting ductbank. COR #62 AT&T agreed to reimburse SFMTA through the Form B process. COMPLETE, NO FURTHER ACTION; CMOD #14	CMOD #14 Approved	MAB 04/24/12
1251-0043	02/15/12	082-0043	Force account work for demolition of existing AT&T vaults 113 (Post/Stockton) and 403 (Ellis)	6	CMB-0076	Agree Conditionally	10/03/12		+55,961	Agreed cost shown in Trends 29 and 40 is for installing vaults only. Cost to demo existing vaults is tracked on force account (estimated cost at \$15k each vault). AT&T agreed to reimburse SFMTA through the Form B process. CMB Agreed contingent on receipt of confirmation letter from AT&T for costs associated with these three trends RE to prepare modification (see also Trend CN1251 #'s 72 & 80)		
1251-0044	02/15/12	082-0044	Install new sewer lateral from Macys West on O'Farrell including plumbing modification inside Macy's building.	3	CMB-0078	Agree	09/12/12		+20,014	Contract plan SW-4 shows an existing lateral to be connected to new main. However, the 8" lateral is too big to be connected directly to the new 14" main necessitating a new connection to the manhole. However, numerous existing utilities were in the way and required installation of a new lateral at a higher elevation. Due to the raised lateral invert, modification to the plumbing inside the building is also needed. Refer to RFI 43. (See Trends #37 and 45) RE to prepare mod		
1251-0045	02/15/12	082-0045	Install new 2 each sewer laterals on Stockton between Post and Geary	3	CMB-0078	Agree	09/12/12		+25,145	Contract plan SW-3 shows 2 each existing laterals coming from the Union Square garage to be connected to the new main at approximate sta 128+55. However, the laterals were found to be connected to the downstream end of the existing main (toward Geary), which is called for to be abandoned in 1251 to make room for the future station. (See Trends #37 and 44) RE to prepare mod		
1251-0046	03/06/12	082-0046	Additional cost for enlarging PG&E vault 584 on O'Farrell east of Stockton	6					+60,053	were wider than shown on plan. Vault 584 was needed to be enlarged in order to capture the two (2) ductbanks. PG&E agreed to reimburse SFMTA through the Form B process. RE to prepare mod		
1251-0047	04/10/12	082-0047	Enlarge Muni Vault 900A on Stockton between Post and Geary	2					+20,000	Contract plan JT-301 calls for an intercept vault to capture 2 (E) Muni ductbanks (DB). These DBs were found to be farther apart than shown on plan. The intercept vault needs to be widened. RE awaiting COR		
1251-0048	04/10/12	082-0048	Additional cost and time for stucked auger during micropile drilling	2					+41,737	Contractor's hollow stem auger got stucked during drilling of micropile #27C in front of 17 Stockton. Contractor claims differing condition as cause for the stucked auger. Contractor is asking for 1 day compensable time extension. SFMTA is reviewing claim for entitlement. COR #67 RE Denied COR (City Letter 26); however Contractor will most likely send rebuttal.		

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1251-0049	04/10/12	082-0049	Additional cost and time for added rebar and coordination with 17-19 Stockton Owner's contractor	2				+16,208	Existing footing of One Stockton was found to be recessed from property line. City's response to RFI 171 called for additional rebar to compensate for the gap between back of new enclosure wall and existing footing. Also, the Owner's contractor of 17-19 Stockton asked that Synergy clear his work area so he can pour the primary wall and bring in his new switchgear. Synergy is asking 2 days compensable time extension. RE awaiting COR			
1251-0050	04/10/12	082-0050	Additional cost to install a Type 770 pole foundation at a different location, install 2 each DPT mast arms and demo existing wall in conflict with OCS footing	2	CMB-0074	Agree	08/15/12	+40,000	Type 770 pole foundation at SW 5th/Folsom could not be installed per plan due to a conflict with a cistern. Only solution is to remove an existing pole foundation (recently installed in 1251 as contract work) to make room for the 770 pole foundation. At 5th/Folsom, 2 DPT mast arms (not shown in original plan) need to be installed. At Pole #811, an existing concrete wall is in conflict with pole foundation. RE preparing modification (see also Trend CN1251 #'s 67, 74 & 75)			
1251-0051	04/10/12	082-0051	Intercept existing PG&E ductbank and terminate into vault 5464 at Market/Ellis	6				+15,000	PG&E requested to reroute existing ductbank running north out of MH 1803 at 4th/Pioneer Place into MH 5464 at Market/Ellis RE awaiting COR			
1251-0052	04/10/12	082-0052	Reroute unforeseen existing waterline on Geary east of Stockton	2				+45,000	An unforeseen existing waterline was found to be in conflict with PG&E vault 573 and needs to be rerouted per City's response to RFI #182. RE awaiting COR			
1251-0053	04/10/12	082-0053	Additional cost for premium to accelerate contract work	1				+42,688	allow CN 1252 Contractor to start work at UMS PG&E agreed to reimburse SFMTA through the Form B process. RE negotiating cost			
1251-0054	04/17/12	082-0054	Additional waterproofing at FIDM and north end of Crate & Barrel	2				+8,151	Sidewalk in front of FIDM and north end of Crate & Barrel did not have a sub-sidewalk basement, hence the original plan did not call for waterproofing of the primary wall. While excavating for the joint trench, contractor found the existing waterproofing to be spalling and peeling off from the primary wall. RE awaiting COR			
1251-0055	04/17/12	082-0055	Install Swiveloc lids on all PG&E vaults	6				+29,255	PG&E requested SFMTA to add this scope to the 1251 contract for safety reason. COR #72 PG&E agreed to reimburse SFMTA through the Form B process. RE to prepare modification			
1251-0056	05/31/12	082-0056	Additional work on force account related to sewer installation	2				+45,156	Additional work due to unforeseen and differing conditions during installation of sewer. COMPLETE, NO FURTHER ACTION; CMOD #15	CMOD #15	MAB	06/01/12
1251-0057	05/31/12	082-0057	Additional work on force account related to water installation and NRG vault demolition	2				+39,599	Additional work due to unforeseen and differing conditions during installation of water and demolish existing NRG vaults that are in conflict with utility installation. COMPLETE, NO FURTHER ACTION; CMOD #16	CMOD #16	MAB	06/01/12
1251-0058	05/31/12	082-0058	Additional streetlight conduit on 5th Street between Harrison and Bryant	2				+14,741	The existing streetlight pullboxes new cables were supposed to be connected to per contract plan did not have power. New conduit needs to be install from the power source. COR #75 RE to review COR			
1251-0059	06/26/12	082-0059	Accelerate contract work at Barney's front	1				+30,000	As a result of numerous meetings and complaints by Barneys, it was decided to accelerate contract work in order to restore Barneys sidewalk earlier RE awaiting COR			
1251-0060	06/26/12	082-0060	Final Bid Item Reconciliation	4				+25,946	Amount is result of Bid Item Analysis completed as of 6/12/12.			
1251-0061	06/26/12	082-0061	Excavate for PG&E cutover at 177 Stillman	6				+15,000	PG&E requested Synergy to excavate for PG&E cutover at 177 Stillman. Reference document: Email from Michael Lightstone dated 12/9/11 PG&E agreed to reimburse SFMTA through the Form B process. RE awaiting COR			
1251-0062		082-0062	Additional waterproofing at Macys Men's wall	2				+24,774	Contract did not call for waterproofing at Macys Men's wall. However, when contractor dug for the joint trench, it was found that the existing waterproofing has deteriorated and needed to be replaced. COR# 20 RE to review COR			

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1251-0063	082-0063	Excavation and restoration cost for PG&E gas tie-in and kill holes. Part II	6					+40,000	After completion of Part I (see trend 32), PG&E had offered to self-perform the excavation and restoration of the gas tie-in/kill holes because PG&E had crews available to perform the work. However, PG&E no longer have available crews, hence Synergy had to continue and finish excavating and restoring the last tie-in/kill holes. PG&E agreed to reimburse SFMTA through the Form B process. RE awaiting COR			
1251-0064	082-0064	Accelerate finish and detail work of AT&T and PG&E vaults	1					+20,000	In order to expedite turn-over of AT&T and PG&E vaults, SFMTA directed Synergy to accelerate the detailing and finish work of these vaults. SFMTA will pay Synergy premium cost for OT hours. RE awaiting COR			
1251-0065	082-0065	Additional fittings for AWSS lateral and chipping of pole foundation at Market/Ellis	2					+20,000	An existing Muni pole foundation is in the way of the AWSS lateral. Additional fittings are required to complete contract work. RE awaiting COR			
1251-0066	082-0066	Intercept PG&E conduits at Vault 573 at Geary east of Stockton	6					+15,000	During installation of PG&E intercept vault 573, PG&E had incorrectly identified the conduits to be intercepted. This error was discovered during cut-over process by PG&E. PG&E agreed to reimburse SFMTA through the Form B process. RE awaiting COR			
1251-0067	082-0067	Additional feeder span, no-bo insulator and adjustment of guywire for the Folsom OCS bypass	3	CMB-0074	Agree	08/15/12		+37,148	SFMTA Electrical Designer had pointed out the new Folsom Bypass does not have enough capacity to power the new OCS necessitating installation of feeder spans. Also, adjustments to the guywire are necessary to mitigate conflict with new signal mast arms. RE presented COR to CMB 7/25; direction given to develop one CMod with all remaining items to be purchased for the new OCS bypass. RE to prepare modification (see also Trend CN1251 #'s 50, 74 & 75)			
1251-0068	082-0068	Extended Overhead cost from July 19, 2012 to August 16, 2012	1	CMB-0075	Agree Conditionally	10/03/12		+106,967	Contract is expected to be extended beyond the approved July 18, 2012 completion due to the following reasons: contractor was slowed due to accommodation of AT&T and PG&E cut-over, for example, contractor has to provide windows of time for AT&T to occupy its work space to provide continuity and efficiency for AT&T cut-over, contractor has to advance cleaning and detailing of vaults to turnover to AT&T and PG&E, these work are typically done as punchlist, contractor now has to resequence work and reallocate resources; SFWD cut-over is taking longer than expected; PG&E gas cut-over was delayed due to inability to access Armani building, this delay held up completion of sewer MH, SFWD connection and restoration on O'Farrell east; added change order work, i.e. additional PG&E conduit at vault 573 and additional excavation for AT&T cut-over at 240 Stockton. CMB Agreed contingent on receipt of letter confirming e-mail as presented in the meeting and content viewed related to agreement and remaining actions and release of funds. RE to prepare modification			
1251-0069	082-0069	Removal of abandoned PG&E gas valve (8each) and install anodes	6					+15,000	PG&E asked Synergy to remove all abandoned gas valves (8each) PG&E agreed to reimburse SFMTA through the Form B process. RE awaiting COR			
1251-0070	082-0070	Core drill primary wall and install interior plumbing at Armani and Disney for the fire service water cutover	2					+20,959	Existing fire service inside the building is a thin-wall steel pipe that extends out to the previously existing sub-sidewalk basement. However, 1251 had backfilled the subsidewalk basement per contract, which now made the steel pipe susceptible to corrosion. SFWD does not want to tie-in to the steel pipe due to corrosion issue plus the fact that the pipe is thin walled, which makes welding almost impossible. A ductile iron pipe needs to be installed from the main and into the building. RE reviewing COR			
1251-0071	082-0071	Install a new 8" backflow preventer for the fire service inside Macys Men's building	6					+56,129	The new water main (installed in the 1251 Contract) is closer to the property line than the existing backflow preventer. State law stipulates that a backflow preventer be installed in between the property's fire suppression system and the water main. The SFWD refuses to make this connection until a proper backflow preventer is installed. RE reviewing COR			

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1251-0072	08/08/12	082-0072	6	CMB-0076	Agree Conditionally	10/03/12		+15,020	AT&T requested new conduits to maintain continuity between the 2 vaults. AT&T agreed to reimburse SFMTA through the Form B process. RE Tracking work on FAR CMB Agreed contingent on receipt of confirmation letter from AT&T for costs associated with these three trends RE to prepare modification (see also Trend CN1251 #'s 43 & 80)				
1251-0073	08/08/12	082-0073	1					+15,000	Contract bid allowance for providing utility services for flower stands (UD-14) had been exhausted during relocation of 2 flower stands. A third and final flower stand is still needed to be relocated. RE tracking work on FAR				
1251-0074	08/08/12	082-0074	1	CMB-0074	Agree	08/15/12		+16,429	Due to installation of OCS bypass on Folsom between 4th and 5th Streets, a left turn signal is required at 5th/Folsom. Additional signal heads and modification to the existing traffic signal is necessary. RE Tracking work on FAR RE to prepare modification (see also Trend CN1251 #'s 50, 67, & 75)				
1251-0075	08/08/12	082-0075	2	CMB-0074	Agree	08/15/12		+12,568	Contractor encountered unforeseen concrete and brick substructures and abandoned utility lines. RE Tracking work on FAR RE to prepare modification (see also Trend CN1251 #'s 50, 67, & 74)				
1251-0076	08/08/12	082-0076	2/3					+15,000	Modify bracket arm at existing Pole #511 to alleviate tension load and bending of pole. Realign trolley wire on Mason between Geary and Eddy to smoothen transition when shifting from right lane to left lane. Also, add intermediate guywire to prevent excessive sagging of bracket arms at various locations. RE Tracking work on FAR				
1251-0077	09/12/12	082-0077	2					+45,000	Qwest, TCG and UCCO requested Synergy to tie-in their existing conduits into the new vaults that Synergy installed per contract. The utility companies are responsible for connecting existing conduits into new vaults, therefore, this request is considered extra work. Private Utilities companies agreed to reimburse SFMTA through the Form B process. RE Tracking work on FAR				
1251-0078	09/12/12	082-0078	2					+30,000	Several obstructions, i.e. buried concrete, boulders, brick, abandoned utilities were discovered during excavation and installation of OCS poles along Mason and 5th Street. RE Tracking work on FAR				
1251-0079	09/12/12	082-0079	2					+50,000	Unforeseen conditions were encountered during installation of select PG&E vaults including joint trenches leading to these vaults. PG&E agreed to reimburse SFMTA through the Form B process. RE Tracking work on FAR				
1251-0080	09/12/12	082-0080	2	CMB-0076	Agree Conditionally	10/03/12		+58,179	Unforeseen conditions were encountered during installation of select AT&T vaults including joint trenches leading to these vaults. CMB Agreed contingent on receipt of confirmation letter from AT&T for costs associated with these three trends AT&T agreed to reimburse SFMTA through the Form B process. RE to prepare modification (see also Trend CN1251 #'s 43 & 72)				
Contract 1251 Totals								+2,703,068	+1,022,263	Of the total cost exposure shown, changes have been absorbed by allocated contingency in the amount of \$2,618,313. Additional potential exposure shown includes credits provided through Utility Reimbursement. Currently, overall contract value remains unchanged in the amount of \$21,753,860.			
Contract 1252 - Tunnels													
1252-0001	04/11/12		6						+16,906	AWSS contract work was made more difficult by the proximity of a water line which was closer than indicated on UT-501. Contractor has stated that a separate request which will include a TIA is forthcoming. RE to prepare mod			

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1252-0002	04/11/12	AWSS Add. Tie-Rods 4th-Harrison	6					+58,444	The AWSS line must be restrained a certain distance beyond the 90 degree elbow we are installing under contract 1252. The 1252 contract work includes excavating on both sides of this 12-foot portion of pipe. Additional work scope (per Michael Smith @ DPW): Station 162+80 to 162+90 - Restrain the existing 12-inch tee to the existing pipe north of the tee. Restrain any other joints that are not restrained on the existing pipe up to the new pipe to be installed. RE reviewing COR			
1252-0003	04/06/12	AT&T Vault Conflict-4th & Harrison	6					+20,363	After excavation of the roadway surface and subgrade at Fourth and Harrison streets an AT&T vault was discovered to be in conflict with the current alignment of the 42" RCP sewer main. Verbal authorization was given by an AT representative to make modifications to the vault. COR 003 has been submitted by BIH in response to this issue. Work is to be charged via SFMTA Form B agreement to AT&T. RE reviewing COR			
1252-0004	04/06/12	PG&E live electrical delays	2					+8,295	PG&E lines indicated on contract drawing UD-502 thru 504 were to be abandoned yet were Re reviewing COR			
1252-0005	06/12/12	Oil filled pipe @ Launch Box	2					+9,979	Synergy Demo Crew exposed an existing 6" steel line which had oil in it on the West side of 4th St between Harrison and Bryant. RE to prepare mod			
1252-0006	07/16/12	TIA - Associated w/ COR 001, COR 002, and COR 003	6					+269,904	BIH is to submit Overhead cost labor rates and a COR request related to this issue. RE reviewing COR			
1252-0007	05/23/12	MOS - Live Utilities: PGE, AT&T, and SFWD 8" Water Line extra kill hole location	2					+49,047	Live PG&E Electrical Lines Conflict: BIH was notified that PG&E had live electrical lines running through each headwall work zone @ Moscone station. 8 inch Low Pressure Water Line Conflict: Contract drawings show this utility to be abandoned and capped prior to work. Synergy struck and damaged the water line. SFWD directed Synergy to excavate a kill hole so they could properly abandon the line. In Review			
1252-0008	07/16/12	MOS - Demo PGE duct bank / SF City 911 fiber optic line	2					+4,921	Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered a PG&E duct bank that contained a live San Francisco 911 fiber optic line. RE to prepare mod			
1252-0009	06/29/12	MOS - Traffic Signal line re-route south headwall	6					+37,500	After potholing Synergy discovered several traffic lines which were in the proposed location of the south MOS headwall. Synergy proposes to reroute the lines. RE to prepare mod			
1252-0010	07/16/12	MOS - Archaeological Standby North Headwall	2					+16,861	Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered a layer of "Midden" or Native American debris.. RE to prepare mod			
1252-0011	07/16/12	MOS - SL conduit from PG&E vault @ north headwall	6					+10,701	Approximately 20' of GRS Street Light conduit to be installed from PGE vault 1493 and a existing Street Light box north of the MOS N headwall. RE reviewing COR			
1252-0012	07/16/12	LB - Pre-Excavation for Slurry Walls	2					+237,107	BIH proposes pre-excavation of each slurry panel to be reimbursed by SFMTA. RE reviewing COR			
1252-0013	06/29/12	MOS - Standby Delays @ south headwall due to live TS lines	6					+79,218	Standby delays related to the discovery of traffic lines within the proposed location of the south MOS headwall. RE reviewing COR			
1252-0014	07/16/12	UMS - Grant street 2 way conversion (e- & striping)	7					-0-	In order to implement a full street closure for Stockton Street at the UMS location the DPT recommended that Grant Street be converted from an existing one-way street to a two way street for vehicular traffic. This potential change was brought before the CMB 07/18. Board's decision to have DPT perform the work. CLOSED; NO FUTHER ACTION			
1252-0015	06/22/12	PROJECT WIDE - Utility Demo limit reduction credit	5					(20,905)	BIH's subcontractor Synergy Project Management (SPM) would like to minimize the limits of utility demo at the Launch Box, Moscone station, UMS station and TBM Retrieval Shaft locations. RE reviewing COR			

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1252-0016	07/16/12	UMS - Reduced Duration	5	CMB-0073	Agree (Conditionally)	08/01/12		-0-	No cost change for acceleration of utility relocation, ground improvements (jet grouting), and headwall construction at Union Square/Market Street Station. Approval condition up incorporating correctness to backup documentation as required by & documented in CMB mtg. RE to prepare modification Modification in process	CMod #3		
1252-0017	07/10/12	MOS - Asbestos Pipe at north headwall	2					+7,186	Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered fryable asbestos-laden transite pipe. In Review			
1252-0018	07/10/12	MOS - Brick Wall #2 discovered @ north headwall	2					+14,997	Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered a buried wall. RE to prepare mod			
1252-0019	08/07/12	MOS - Asbestos Pipe at south headwall	2					+33,668	Transite pipe was discovered during MOS south headwall excavation. RE reviewing COR			
1252-0020	08/10/12	MOS - Oil filled pipe at south headwall	2					+9,226	A pipe containing oil was discovered during MOS south headwall excavation. RE reviewing COR			
1252-0021	06/19/12	MOS - Todco scaffolding reimbursement	2					+1,719	1252 contract work requires the removal of scaffolding erected by Fine Line Construction, the contractor performing renovations on the Woolf House. RE reviewing COR			
1252-0022	03/15/12	Disputed Work Items - NTP2 vs. NTP3	7					-0-	BIH interpretation of Special Provisions SP-3 NTP2 description includes activities that SFMTA interprets to be within NTP3. These activities include: Ellis Street and Green Street shafts and associated compensation grouting, MOS headwalls and jet grouting, jet grouting at cross passage 5, UMS head walls and jet grouting, OCS removal along Stockton Street from Geary to Ellis, and the TBM retrieval shaft. On April 13, SFMTA released the MOS headwalls and jet grouting, jet grouting at cross passage 5, UMS jet grouting, OCS removal along Stockton Street from Geary to Ellis, and preparatory and utility work necessary for the construction of the retrieval shaft. COR Unsubmitted			
1252-0023	05/07/12	Manhole in east guidewall footprint	2					-0-	While performing excavation for the east side guidewalls at the TBM Launch Box, BIH's subcontractor CJA-NCC encountered a manhole near the bottom of the excavation which was unexpected. BIH has stated that removal of the manhole prior to the installation of the guidewalls was necessary to ensure the successful installation of the slurry walls. CLOSED; NO FURTHER ACTION.			
1252-0024	04/18/12	2" gas line inside 16" casing	2					-0-	While performing excavation for the Sewer and AWSS trench at the intersection of Fourth and Harrison streets, BIHJV's subcontractor Synergy encountered what was identified to be a 16" depressurized gas main. This gas main contained a 2" gas line which is shown on contract drawing UD-502 to be abandoned/removed. CLOSED; NO FURTHER ACTION.			
1252-0025	04/18/12	CDF Encasement on 42" RCP	2					TBD	While performing excavation for the east side guidewalls at the TBM Launch Box, BIH's subcontractor CJA/NCC encountered a CDF backfill at the existing 42" RCP sewer which reportedly had a significantly higher compressive strength than the 50-150 psi. which was anticipated. BIH claims that the CDF conflicted with the construction of the guidewalls and it could not be excavated by conventional means. COR Unsubmitted			
1252-0026	06/12/12	Damage to Live LPW main at 4th and Folsom	2					TBD	Synergy Demo Crew hit a blow-off valve on the 8" water line at the Southwest corner of the MOS headwalls. SFWD is to install a permanent cap per contract drawing WD-404. COR Unsubmitted			
1252-0027	07/16/12	MOS - 76 Gas Station fencing	1					-0-	SFMTA requested BIH to install fencing around the perimeter of the 76 gas station at 4th and Folsom St. Temporary use of 800 Folsom Street site for construction staging. Use of this site would be a tradeoff between SFMTA and BIH. The Contractor would maintain the sites security and up-keep in exchange for not billing CLOSED; NO FUTHER ACTION			

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1252-0028	07/16/12	LB - SPTC delays due to concrete encased 8" sewer	2					-0-	Upon excavation of west slurry panels W-33, W-14, W-21, W-20, and S-9), "buried debris" comprising "wood pile?" or "concrete encased clay pipe" was encountered . The depth of the obstruction(s) is currently under investigation. Impact of the first obstruction was approximately 3 hours and the contractor has modified operations so that each obstruction requires approximately 45 minutes to clear. Verbal information presented to CMB at mtg 07/25 as a potential change. CLOSED; NO FUTHER ACTION			
1252-0029	07/16/12	MOS - South Headwall re-design	1					+250,001	BIH provided verbal notification that the design changes contained in the response to RFI 74 and the MOS guidewall submittal, including the requirement to leave end stops in place and a 6-inch extension of the corner slurry panel, are anticipated to cost approximately \$250,000. More detail is forthcoming. COR Unsubmitted			
1252-0030	08/02/12	Ellis - Utility demolition	3					+30,000	BIH says that no utilities were shown at Ellis; however, Reference Drawing UE-126 shows utilities. COR Unsubmitted			
1252-0031	07/25/12	Crack Gauges	4					+400,001	BIH disagrees with SFMT on the total number of crack gauges to be installed on the project. Per the contract drawings a total of 926 crack gauges are to be installed. BIH claims that a total of 50 are to be installed. COR Unsubmitted			
1252-0032	08/07/12	Ellis asbestos abatement	2					+40,001	A steam line containing asbestos was discovered during potholing at the Ellis Street Shaft. COR Unsubmitted			
1252-0033	08/15/12	LB - Class 1 Hazardous Material Haul off	2					+250,001	BIH to submit costs for Class 1 haul off. COR Unsubmitted			
1252-0034	08/15/12	LB - Jet Grout Quantity Overrun	4					+812,497	The contract drawings call for the contractor to determine the extent of jet grouting at the launch box BIH's jet grout quantities are projected to overrun the prescribed bid quantity by up to 40 percent. COR Unsubmitted			
1252-0035	08/24/12	Utility Removal UD-304 and UD-503	6					TBD	RFI 00134 asks whether certain utilities indicated on drawings UD-304 (On Stockton inside limits of future UMS Station) and on UD-503 (On Fourth and Stillman Streets outside limits of Launch Box) may be left in place. Answer: "Confirmed, the utilities in question can be abandoned in place and are not required to be removed. The Engineer will seek an adjustment to Bid Item GB-3 for the elimination of this work". COR Unsubmitted			
1252-0036	09/19/12	Additional Road Base on Fourth Street	2					+7,000	BIH's subcontractor Synergy Project Management (SPM) discovered what they believe to be an additional layer of road base under the existing asphalt and road base layer while performing roadway demo work along the west side of Fourth Street between Harrison and Brant Street. The additional layer is estimated by BIH/SPM to be approximately 8" - 12" thick. COR Unsubmitted			
1252-0037	09/19/12	DPW permitting potential impacts	7					TBD	DPW Permitting issue to cause potential impacts. DPW is not issuing permits for excavating the MOS headwalls, jet grouting at the LB, and excavating support at the LB, as they claim to have not been able to conduct a thorough review of the project's design documents and were not included in the design process. BIH may be required to re-sequence and stand many other potential impacts w/o said permits. COR Unsubmitted			
1252-0038	09/19/12	Manhole in West Guidewall Footprint	2					+4,000	While performing excavation for the west side guidewalls at the TBM Launch Box, BIH's subcontractor CJA-NCC unexpectedly encountered a manhole within the excavation at approximate station 165+70. It was necessary to chip away a portion of the existing manhole to gain the necessary clearance to construct the west slurry wall. COR Unsubmitted			

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1252-0039	09/19/12	Panel W-33 Obstruction	2					TBD	While performing excavation for the slurry walls at the TBM Launch Box, BIH's subcontractor CJA-NCC unexpectedly encountered buried (wood pile?) debris located approximately 12 feet below the guide wall within Launch Box Diaphragm Wall Panel W-33. This trend is being tracked separately from Trend 20 because we believe it may be a different structure. BIH has not provided adequate information substantiating the merging of the two trends. COR Unsubmitted			
1252-0040	09/19/12	Revisions to Moscone North Headwall Elevation (Top)	1					TBD	SFMTA initiated change to revise headwall elevations to facilitate a change in he roof elevation of MOS station. COR Unsubmitted			
1252-0041	09/19/12	Revisions to UMS Headwall Concrete and Reinforcement Limits	1					TBD	SFMTA initiated change to revise UMS headwall concrete and reinforcement limits to provide a cost savings. COR Unsubmitted			
1252-0042	09/19/12	Retrieval Shaft - Unmarked 12" Steel Pipe	2					+6,000	While performing excavation for the joint trench at the retrieval shaft BIH's subcontractor Synergy Project Management (SPM) discovered an abandoned 12" dia. steel pipe which appears to run continuously under Columbus Ave. COR Unsubmitted			
1252-0043	09/19/12	LB - Panel W29 Wood Pile	2					+81,000	While performing excavation for the slurry walls at the TBM Launch Box, BIH's subcontractor CJA-NCC unexpectedly encountered what appeared to be a wood pile within Launch Box Diaphragm Wall Panel W-29. COR Unsubmitted			
1252-0044	09/19/12	Ret Shaft - 20" Water Line Conflict	2					+67,000	During excavation for the joint trench at the retrieval shaft SPM discovered that the MRY Duct Bank is directly above an active 20" low pressure waterline. As a result the work at the Retrieval Shaft must reportedly be altered.			
1252-0045	09/19/12	LB - Panel W28 Wood Pile	2					TBD	While performing excavation for the slurry walls at the TBM Launch Box, BIH's subcontractor CJA-NCC unexpectedly encountered what appeared to be a wood pile within Launch Box Diaphragm Wall Panel W-28. COR Unsubmitted			
1252-0046	09/19/12	MOS - Catch Basin @ south headwall	3					+2,500	A catch basin on the NW corner of 4th and Folsom interfered with the construction of the MOS Headwalls. Removal of the catch basin was needed in order for the headwalls to be built. The catch basin was not shown in the contract drawings. COR Unsubmitted			
1252-0047	09/19/12	UMS - 12" steel pipe removal	3					+3,500	A 12" steel pipe at the north UMS headwall location interfered with the demolition of other existing UMS utilities. The steel pipe was not shown in the contract drawings. COR Unsubmitted			
1252-0048	09/19/12	MOS - 16" Steel Pipe removal @ northeast headwall	3					+3,500	SPM crews spent 4 hours removing an unmarked 16" steel pipe from the excavation of the NE MOS Headwall. Construction of the MOS headwall could not commence without this utility being removed. The 16" steel pipe was not shown in the contract drawings. COR Unsubmitted			
1252-0049	09/19/12	MOS - Extra Road Base @ northeast headwall	2					+3,500	BIH's subcontractor Synergy Project Management (SPM) discovered what they believe to be an additional layer of road base under the existing asphalt at the NE MOS headwall location. The road base in this location was approx. 20" thick on a patch that was roughly 25' x 25'. COR Unsubmitted			
1252-0050	09/19/12	LB - Impacts due to live PG&E electrical lines (Synergy)	6					+1,500	Based on direction from the SFMTA, Synergy provided a full time flagger for one night shift of work @ the intersection of I-80 off-ramp near 4th/Bryant streets in order to assist PGE while they performed the abandoning of the existing live PGE electrical at the Launch Box location which was shown to be dead in the contract drawings. COR Unsubmitted			
1252-0051	09/19/12	Contract Amendment No. 2	1					(3,040,713)	COR Unsubmitted			
Contract 1252 Totals								-0-	(213,575)			

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CONSTRUCTION TRENDS (Based on #1250, #1251 & #1252 Trending Log and Cmods) - SUBTOTALS:								+5,432,701	(96,315)				
DESIGN TRENDS													
FD-001	07/31/10	084-0001	Narrowing of Platform at UMS	1	CMB-0006	Agree	08/04/10	(800,000)	(800,000)	[In "Current Forecast" - Sep2010 Cost Report.]			
FD-002	07/12/10	084-0002	Redux of Station Emergency Ventilation Fans (UMS)	1	CMB-0009	Agree (Conditionally)	08/25/10	(2,000,000)	(2,000,000)	Further actions: Designer required to receive Fire/Life/Safety approval before proceeding with this change. Designer to allocate cost impacts by Station (Current figures are "placeholders." - [In "Current Forecast" - Sep2010 Cost Report.]			
FD-002	07/12/10	085-0001	Redux of Station Emergency Ventilation Fans (CTS)	1	CMB-0009	Agree (Conditionally)	08/25/10	(500,000)	(500,000)	Further actions: Designer required to receive Fire/Life/Safety approval before proceeding with this change. Designer to allocate cost impacts by Station (Current figures are "placeholders." - [In "Current Forecast" - Sep2010 Cost Report.]			
FD-002	07/12/10	086-0001	Redux of Station Emergency Ventilation Fans (MOS)	1	CMB-0009	Agree (Conditionally)	08/25/10	(500,000)	(500,000)	Further actions: Designer required to receive Fire/Life/Safety approval before proceeding with this change. Designer to allocate cost impacts by Station (Current figures are "placeholders." - [In "Current Forecast" - Sep2010 Cost Report.]			
FD-003	07/31/10	085-0002	Lowering of CTS	1	To be verified	Info Only	08/25/10	+7,000,000	+7,000,000	Presented to CMB for information/consideration.			
FD-004	07/29/10	084-0003	UMS Structural Configuration	1	CMB-0007	Agree	08/18/10	(8,000,000)	(8,000,000)	[In "Current Forecast" - Sep2010 Cost Report.]			
FD-005	08/22/10	084-0004	UMS Alternate Station Access/Vent Shaft @ Union Square	1	CMB-0010	Agree	12/29/10	(22,500,000)	(22,500,000)	Documentation to be filed.			
FD-006	08/03/10	084-0005	Station Headwalls - UMS	1	CMB-0008	Agree	08/18/10	-0-	-0-				
FD-006	08/03/10	086-0002	Station Headwalls - MOS	1	CMB-0008	Agree	08/18/10	-0-	-0-				
FD-007	08/03/10		Cross-passages	1	CMB-0018	Agree	09/15/10	-0-	-0-				
FD-008	07/30/10		Trolley Re-route @ Columbus & Powell	1	CMB-0017	Agree	09/15/10	-0-	+2,000,000				
FD-009	10/06/10	082-0003	ECP to Modify Sidewalk Vault Demolition and Construction Sequence to Facilitate Construction of Joint Utilities Trench and Future UMS Station	1	CMB-0019	Agree	12/15/10		+3,000,000				
FD-010	10/06/10	082-0004	Redesign Stockton Street Sanitary Sewer to conform to SFPUC Sewer Criteria that preclude placement of relocated sanitary sewer under sidewalks	1	CMB-0020	Agree	11/17/10		+2,000,000				
FD-011	10/06/10	082-0005	Reconfigure Routing of Water, Sewer and Gas laterals from buildings on north side of Ellis Street	1	CMB-0021	Agree	11/17/10		+500,000				
FD-012	10/06/10	082-0006	Recognize cost transfers from design allowances allocated to contingency to explicit line items in final design estimates	1	CMB-0022	Disagree	11/17/10		-0-				
FD-013	10/06/10	082-0007	Increase Extent of Sub-sidewalks Vault Secondary Closure Walls and Waterproofing	1	CMB-0023	Agree	11/17/10		+4,100,000				
FD-014	10/06/10	082-0008	Include OCS system for rerouting trolley buses to Fifth Street	1	CMB-0024	Agree	12/15/10		+3,100,000				
FD-015	10/06/10	082-0009	Subsidewalk Vault Secondary Closure Walls for Buildings at 800 Market and 838 Market	1	CMB-0025	Agree	11/17/10						

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FD-016	10/06/10	085-0003	Underpinning of Mandarin Tower	1	CMB-0011	over taken by FD-021	01/19/11		+5,000,000	Additional Information Pending.			
FD-017	10/06/10	085-0004	CTS Ground Improvement	1	CMB-0012	over taken by FD-021	01/19/11		+10,300,000	Additional Information Pending.			
FD-018	10/06/10	084-0006	UMS Apple Store Entrance	1	CMB-0013	Disagree	11/10/10		-0-	Additional Information Pending.			
FD-019	10/06/10	086-0003	MOS TOD Configuration	1	CMB-0014	Agree	11/10/10		TBD				
FD-020	10/06/10	084-0007	UMS Emergency Stair #4 Relocation	1	CMB-0015	Agree	11/10/10		TBD				
FD-021	01/14/11	085-0005	CTS Lowering and Stations Reconfiguration	1	CMB-0027	Agree	01/19/11	(18,000,000.00)	(18,000,000)	Agreement with changes to project configuration only. Additional Information required related to cost and schedule impacts. No agreement on Design cost impact, Design costs directly related to this change to be tracked separately			
FD-022	02/16/11	084-0008	Sewer Replacement along Geary & O'Farrell	1	CMB-0029	Agree	02/23/11		(134,000)	This trend has both an EPC number as well as a Construction Trend Number. See also Construction Trend No. 1251-0003			
FD-023	11/17/10	087-0001	Emergency walkways through crossover cavern changed from outside the main tracks to between the main tracks.	1	CMB-0032	Agree	07/27/11						
FD-024	11/17/10	087-0002	Diamond crossover on surface segment to a tandem (universal) crossover.	1	CMB-0033	Agree	08/24/11		(350,000)				
FD-025	04/13/11	083-0001	Bid Option for TBM Retrieval Shaft		CMB-0034	Agree	04/13/11		(10,000,000)	Will require changes to Bid Schedule to incorporate Traffic, Utilities and Pavement Demo/Restoration as incidental costs to the Bid Option. Estimated DP1 cost impact is approx. 80-100 hrs. of engineering time.			
FD-026	05/31/11	084,085,086	Air Replenishment System for Stations	1	CMB-0040	Agree	07/13/11		+1,245,000	Install air replenishment system at MOS, CTS and UMS to address the requirements of the SFFD Bulletin 5.07. The air replenishment system will be used to fill firefighter's self-contained breathing apparatus during firefighting operations in the three subway stations.			
FD-027	07/21/11	082-0010	1 Stockton street (Apple Store) Secondary Closure Wall		CMB-0043	Agree	08/03/11		+500,000	1) Add secondary closure wall to supplement recently completed primary closure wall built by owner to isolate the sub-sidewalk basement of 1 Stockton Street (Apple Store). 2) Modify position of joint trench (and all associated conduits, ducts etc.) for secondary closure wall to be constructed.			
FD-028	08/03/11	086-0004	MOS Revisions to Emergency Ventilation Requirements		CMB-0052	Agree	09/07/11		+500,000	Changes will extend the date of the 90% (pre-final) submittal by 20 working days and the 100% (final) submittal by 40 working days. CMB did not approve a time extension for 90% or 100% submittal delivery. Project Controls estimated \$321,645.			
FD-029	08/08/11	085-0006	CTS Revisions to Emergency Ventilation Requirements		CMB-0053	Agree	09/07/11		+1,000,000	Changes will extend the date of the 90% (pre-final) submittal by 20 working days and the 100% (final) submittal by 40 working days. CMB did not approve a time extension for 90% or 100% submittal delivery. Project Controls estimated \$411,895.			
FD-030	08/08/11	084-0009	UMS Revisions to Emergency Ventilation Requirements		CMB-0054	Agree	09/07/11		+1,000,000	Changes will extend the date of the 90% (pre-final) submittal by 20 working days and the 100% (final) submittal by 40 working days. CMB did not approve a time extension for 90% or 100% submittal delivery. Project Controls estimated 733,420.			
FD-031	10/31/11		Accessibility Improvements at the SE corner of Union Square (UMS)										
FD-032	10/31/11		Union Square Entrance Reconfiguration (UMS)										
FD-033	10/31/11		Additional Compensation Grouting due to Tunnel Settlement Alert and Trigger Levels (All Stations)						+21,040,000	ECP dated 11/17/11. ECP being routed for approval.			
FD-034	12/09/11		Operational Performance and Safety Enhancement at 4th and King		CMB-0062	Agree	12/14/11		+450,000	SFMTA Operations requested that the design of the 4th & King tie-in work be expanded to include a number of improvements at the junction involving the turn-back area extending to the scissors crossover at 6th & King. SFMTA Ops confirmed that the requested changes result in an arrangement that is consistent with standard operation practices and therefore does not involve new or unacceptable risks. CS 1553 Memorandum No. 0081. Conditionally agreed upon verification/resolution of Buy America issue for the switches. 3/14/12: "Buy America" issue no longer applicable. Revised ECP element - remove H&K switch machines and replace with hydraulic/120V switch machines such as Nortrak or equal.			

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FD-035	06/26/12		Tunnel Air Replenishment System		CMB-0071	Agree	07/11/12		+1,215,000	Design and construct a fire fighter air replenishment system for Central Subway tunnel as described in SF Fire Code 511.2, Bulletin 5.07 except as noted in the Central Subway Request for Approval of Variance for the ARS to SFFD on March 5, 2012, and subsequently approved by SFFD. Design Impact: ROM - \$215K Construction Impact: ROM - \$1M		mab	06/27/12
FD-036	06/26/12		Surface Segment Sewers - 4th St.		CMB-0072	Agree	07/18/12		+2,200,000	Replace current unreinforced brick crown from 1906 as it may not be able to withstand loading for construction of the CS trackway section. Reconstruct manholes between Brannan and King Streets as existing are in conflict with proposed rail. Replace service laterals and provide sleeves for future replacement. Additional potential scope option of \$1.5M-Sewer and \$2.3M-Force Main may be requested. If so, it will be Cost to SFPUC		mab	06/27/12
FD-037	08/27/12		Platform Display System Signs		CMB-0077	Agree (Conditionally)	08/29/12		+500,000	Modify Stations (Contracts 1253, 1254 and 1255) and Surface, Track and Systems (Contract 1256) technical specifications and drawings for the Platform Display System (PDS) to match the changes made to the PDS units being supplied under the Integrated Systems Replacement (ISR) Project, Contract No.1260. Design Impact: ROM - \$50K Construction Impact: ROM - \$450 08/29/12: CMB agreement condition upon follow up action to evaluate procurement by CN1260			
FINAL DESIGN TRENDS (Based on All ECPs) - SUBTOTALS									+3,866,000	Incorporated budget increases have been absorbed by allocated and unallocated funds and the program budget to date remains \$1,578,300,000.			
OTHER TRENDS													
X51-001	07/31/10	082-0001	1251 Revised estimate, escalation impact and contingency.	7					+9,532,314	Cost Transfer #0033 (Base \$\$), 0033a (Allocated Contingency), 0036 (Base \$\$ Escalation , 0036a (Allocated Contingency Escalation). [Sep2010 Cost Report]	BT-0033, BT-0033-A, BT0036, BT-0036-A		
X51-002	07/31/10	082-0002	Form B Credit for 1251 Utilities	7					(7,967,949)	Reserve and Contingencies removed as per communications with PG&E. This is consistent with the 1250 utility agreement. [Cost Transfer #0034 - Aug2010 Cost Report].	BT-0034		
X52-001	07/31/10	083-0001	1252-(TUN) Revised estimate, escalation impact and contingency	7					(2,165,462)	Cost Transfer #0035 (Base \$\$), 0035a (Allocated Contingency), 0037 (Base \$\$ Escalation , 0037a (Allocated Contingency Escalation). [Sep2010 Cost Report]	BT-0037, BT-0037-A		
X03-001	08/31/10	003-0001	OEWD's Pilot Training Program	7					+75,000	Workforce training pilot program in conjunction with the City/County's Office of Economic and Workforce Development (OEWD). Provides specialized training to SF residents to perform tunneling work. Central Subway financial responsibility being investigated. Requires further clarification			
X53-001	07/18/11	084-0001	CS 155-2 (DP2) CBP4 - Construction Budget Adjustment YOY	7	CMB-0044	Agree	07/27/11			Adjust construction budget in Section 6 of Contract No. CS 155-2 to Year of Expenditure			
X53-002	10/25/11		Change UMS Advertise Date to April 4th, 2012							DP2 Designer's new proposed dates for Pre-Final and Final Design have pushed out Advertise Dates.			
X53-003	04/11/12	084-0002	CN1253 (UMS) Construction Budget Adjustment 90%						+55,720,600	CMB is currently vetting the 90% estimate of \$221,534,723 which represents a \$XX increase from the 65% base amount in 2010\$. Increase would deplete current YOY dollars and require use of unallocated contingency.			
X53-004	06/26/12	084-0002	Approve/Execute/Certify durations change for UMS Contract							Shortened the duration for Approve/Execute/Certify - UMS Contract from 40 to 24days to reflect an optimistic but doable duration for contractor submittals.			
X54-001	07/13/11	085-0001	CS 155-2 (DP2) CBP5 - Construction Budget Adjustment YOY	7	CMB-0045	Agree	07/27/11			Adjust construction budget in Section 6 of Contract No. CS 155-2 to Year of Expenditure			
X54-002	10/25/11		Change CTS Advertise Date to May 23rd, 2012		CMB-0061	Agree	12/28/11			DP2 Designer's new proposed dates for Pre-Final and Final Design have pushed out Advertise Dates.			
X54-003	11/02/11		Change CTS Advertise Date to February 8th, 2012							Change CTS Advertise Date from May 23, 2012 to February 8, 2012 (-74 working days)			
X54-005	12/06/11		Revisions to CTS Construction Schedule		CMB-0060	Agree	12/28/11						

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X54-006	12/07/11	085-0002	CS 155-2 (DP2) CBP4 - Construction Budget Adjustment - allowed	7								
X55-001	07/18/11	086-0001	CS 155-2 (DP2) CBP6 - Construction Budget Adjustment YOY	7	CMB-0046	Agree	07/27/11			Adjust construction budget in Section 6 of Contract No. CS 155-2 to Year of Expenditure		
X55-002	10/25/11		Change MOS Advertise Date to June 25th, 2012							DP2 Designer's new proposed dates for Pre-Final and Final Design have pushed out Advertise Dates.		
X55-003	11/02/11		Change MOS Advertise Date to May 23rd, 2012							Change MOS Advertise Date from June 25, 2012 to May 23, 2012 (-22 working days)		
X55-004	06/26/12		Change MOS Advertise Date to Aug 20, 2012							Change MOS to August 20, 2012		
X56-001	10/25/11		Change STS Advertise Date to July 27th, 2012							DP2 Designer's new proposed dates for Pre-Final and Final Design have pushed out the Station's Advertise Dates. STS Advertise Date is staggered from Station's Advertise Dates.		
X56-002	12/14/11		STS Construction Schedule Revision for Equipment Procurement									
X56-003	06/26/12		Change STS Advertise Date to October 1, 2012							Change STS Advertise Date to October 1, 2012		
X40-001	10/19/11	028-0001	SFPUC CDD Updated Budgets	7		Authorized		+505,127		1250 SFPUC CDD Monthly Service Report Final & 1251 SFPUC CDD Estimate	BT-0172, BT-0177	
X80-001	10/19/11	071-0001	DP1: CS 155-1 Modifications No. 2 & 3	see Prof. Serv		Authorized		+560,585		Modification No. 2: \$395,584.59, Modification No. 3: \$165,000. Individual details listed in Professional Services. See trend 1551-0002, 1551-0005 - 1551-0009	BT-0170, BT-0171, BT-0173	
X80-002		071-0002	DP1: CS 155-1 Modification No. 4	7		Authorized		+135,898		Modification No. 4: \$135,898 Individual details listed in Professional Services. See trends 1551-0010 - 1551-0014.	BT-0187	
X80-003	10/27/11	029-0001	Increase City Auditor Budget	7		Authorized		+50,220		Reduce unallocated Contingency to increase City Auditor budget as authorized in Budget Authorization #51.	BR#51, BT-0181	
X80-004	10/27/11	232-0001	Increase SFCTA Budget	7		Authorized		+20,000		Increase SFCTA budget per per Budget Authorization #51 to conduct travel forecast (TEP CEQA Modeling) to satisfy PMO review and SFMTA Fleet Plan light rail vehicle.	BR #51, BT-0182	
X80-005	7/1/10, 11/2/10, 3/24/11	072-0001	DP2: CS 155-2 Modification No. 1	7		Authorized		+1,010,000		Modification No. 1: \$1,010,600 Individual details listed in Professional Services. See trends 1552-0002, 1552-0003 and 1552-0005.	BT-0194, BR#53	
X80-006	5/6/10, 7/25/11, 9/22/11	072-0002	DP2: CS 155-2 Exercised Options	see Prof. Serv		Authorized		+366,771		Individual details listed in Professional Services. See trends 1552-0001, 1552-0007 and 1552-0014.	BT-0023, BT-0194	
X80-007	11/08/11	151-0001	Operations SFMTA Transit Services			Authorized		+50,000		CSP request services to support and test OCS for 30/45 trolley reroute. Authorized per Budget Revision #53	BR #53, BT-0189	SS
X80-008	09/01/11	081-0001	SFMTA Safety, Training, Security & Enforcement Div PCOs	7		Authorized		+60,000		CSP request PCOs to support 1251 and 1252 construction for one year. Authorized \$60,000 per Budget Revision #45.	BR #45, BT-0190	SS
X80-009	11/30/11	016-0001	SFMTA Sustainable Streets 30 and 45 re-route	7		Authorized		-0-		CSP request services to support 30/45 trolley reroute. \$162,600 was reduced from DPT staffing plan budget.	BT-0188	SS
X80-010	11/09/11	073-0001	DP3: CS 155-3 Modification No. 1	7		Authorized		+152,882		Modification No. 1: \$152,882 Individual details listed in Professional Services. See trends 1553-0012 and 1553-0013.	BT-0203	
X80-011	8/9/11, 9/22/11, 10/11/11, 11/9/11	073-0002	DP3: CS 155-3 Exercised Options	see Prof. Serv		Authorized		+1,026,398		Individual details listed in Professional Services. See trends 1553-0001 - 1553-0004, 1553-0006, 1553-0009 - 1553-0011, 1553-0014. Updated from \$971,686 to include Trend 1553-0014.	BT-0203	
X80-012		151-0002	OCS materials procured directly for work in reference to CN1251 CMOD#12.		CMB-0065	Agree	1/25/2012, 2/29/12	+126,149		See also Trend 1251-0023		
X80-013	05/30/12	073-0003	DP3: Provide Vibration Impact Analysis and Extend PC Support Technical and CSP Quality Manager					+133,906		Amend #2: Vibration Impact Analysis \$38,380 Amend #3: PC Support Tech \$34,483; Quality Manager - \$61,043	TBD	

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OTHER TRENDS (Based on Various Trends)												
								+59,258,533	Current Forecast reflects a net +3,537,933 unfavorable impact for all Other Trends.			
GRAND TOTALS								+63,028,218	Current Forecast reflects an estimated net +66,751,620 unfavorable exposure to the project to date. Incorporated budget increases have been absorbed by allocated and unallocated funds and the program budget to date remains \$1,578,300,000.			
PROFESSIONAL SERVICES TRENDS: The following trends are listed for administrative purposes. The dollar amounts are reflected in the "Other Trends" section of this log in the form of cost (budget) transfers - ie CCOP's. The total values indicated for each professional contract are for tracking all potential cost exposures and may or may not be approved.												
Contract CS-155-1												
1551-0001	07/30/10	071-0001	Conform Contract Terms per Negotiations from 10/2/09 to 11/6/09	7				-0-	-0-	To be addressed in Amendment 1.	Amendment 1 Pending	
1551-0002	02/18/11	071-0002	Project Office Delay (Adjustments for OH Rate and Team Productivity impact)	7		Authorized	07/29/11	+101,411		Amendment Signed by ED/CEO 7/29/11 COMPLETE, NO FURTHER ACTION; Amendment #2	Amendment 2 Approved	
1551-0003	02/18/11	071-0003	Additional Construction Support for CP-1	7					-0-			
1551-0004	02/18/11	071-0004	Redesign Required by Barney's and PUC for CP-2	7					-0-			
1551-0005	02/18/11	071-0005	Archeological Monitoring 16.20.C1 (total)	7		Authorized	07/29/11	+197,173		Amendment Signed by ED/CEO 7/29/11 COMPLETE, NO FURTHER ACTION; Amendment #2	Amendment 2 Approved	
1551-0006	02/18/11	071-0006	Eyebolts	7		Authorized	07/29/11	+50,000		Amendment Signed by ED/CEO 7/29/11 COMPLETE, NO FURTHER ACTION; Amendment #2	Amendment 2 Approved	
1551-0007		071-0007	Secondary Closure Walls 800/838 Market	1		Authorized	07/29/11	+47,400		Amendment Signed by ED/CEO 7/29/11 COMPLETE, NO FURTHER ACTION; Amendment #2	Amendment 2 Approved	
1551-0008		071-0008	Delete Optional Tasks - Tasks 1-14	1				-0-		Deleted Options in the amount of (\$529,952) in Amendment has been reversed through Budget Authorization #50. COMPLETE, NO FURTHER ACTION; Amendment #2	Amendment 2 Approved	
1551-0009		071-0009	CTS Lowering	1		Authorized	12/08/11	+165,000		Amendment Signed by ED/CEO 12/8/11 COMPLETE, NO FURTHER ACTION; Amendment #3	Amendment 3 Approved	
1551-0010		071-0010	Modify Sidewalk Vault Demo ECP-FD009	7		Authorized	12/08/11	+39,311		Amendment Signed by ED/CEO 12/8/11 COMPLETE, NO FURTHER ACTION; Amendment #4	Amendment 4 Approved	
1551-0011		071-0011	Modify Stockton St. Sewer ECP-FD010	7		Authorized	12/08/11	+4,112		Amendment Signed by ED/CEO 12/8/11 COMPLETE, NO FURTHER ACTION; Amendment #4	Amendment 4 Approved	
1551-0012		071-0012	Reconfigure Utilities N. Side Ellis ECP-FD011	7		Authorized	12/08/11	+2,448		Amendment Signed by ED/CEO 12/8/11 COMPLETE, NO FURTHER ACTION; Amendment #4	Amendment 4 Approved	
1551-0013		071-0013	Extend SubSidewalk Closure Wall ECP-FD013	7		Authorized	12/08/11	+85,233		Amendment Signed by ED/CEO 12/8/11 COMPLETE, NO FURTHER ACTION; Amendment #4	Amendment 4 Approved	
1551-0014		071-0014	Reroute OCS to Fifth St. ECP-FD014	7		Authorized	12/08/11	+4,794		Amendment Signed by ED/CEO 12/8/11 COMPLETE, NO FURTHER ACTION; Amendment #4	Amendment 4 Approved	
1551-0015		071-0015	Retrieval Shaft Redesign - Sewer By Pass	7					+56,000	Awaiting documentation from Designer		
1551-0016		071-0016	Design Measures for Settlement Protection	7					+99,000	Awaiting documentation from Designer		
1551-0017		071-0017	Incorporate Headwalls MOS/UMS	1		Disagree at this time	11/01/11		+42,000	In letter dated November 1, 2011 DPM responded that until concurrence with DP2 on cost transfer or additional documentation, the requested change is denied.		
1551-0018		071-0018	Prepare Utility Composite	-		Disagree	11/01/11		+50,000	DPM responded that Program does not agree in letter dated November 1, 2011.		
1551-0019		071-0019	Incorporate Cross Passages	1		Disagree at this time	11/01/11		+43,000	In letter dated November 1, 2011 DPM responded that until concurrence with DP2 on cost transfer or additional documentation, the requested change is denied.		
Contract CS-155-1 Total								+696,882	+290,000	Of the total cost exposure shown, Contract Modifications and Authorized Option dollars have been absorbed by DP1 allocated contingency in the amount of \$696,483 of a total budget of \$705,000. Additional potential exposure is +\$391,411. Currently, overall contract value remains unchanged in the amount of \$6,500,000.		
Contract CS-155-2												

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1552-0001	05/06/10	072-0001	Optional Task 2.50 and Task 12.07	1		Authorized	05/06/10		+274,775	CS Letter 0473 from ED/CEO Optional Task 2.50 to support art enhancement activities NTE \$164,383 and Optional Task 12.07 to support design structures for Public Art NTE \$110,392.		
1552-0002	07/01/10	072-0002	Expanded Hydraulic Testing at CTS	7		Authorized	07/01/10		+26,100	Estimated cost breakdown is included in the 7/1/10 letter from CSDG and includes signed approval by SFMTA. Amendment No. 1 authorized by ED/CEO on 12/21/11. COMPLETE, NO FURTHER ACTION; Amendment #1	Amendment 1 Approved	
1552-0003	10/11/10	072-0003	Additional Soil Borings at UMS Station - Task No. 3.10 Supplemental Investigations	7		Authorized	11/02/10		+34,500	Estimated cost breakdown is included in the 10/11/10 letter from CSDG and includes signed approval by SFMTA. Amendment No. 1 authorized by ED/CEO on 12/21/11. COMPLETE, NO FURTHER ACTION; Amendment #1	Amendment 1 Approved	
1552-0004	02/11/11	072-0004	MOS TOD White Paper Proposal	1					+33,847	Conceptual study will assess a potential high rise building at the Moscone station headhouse. Estimated cost breakdown is included in the 2/11/2011 letter from CSDG - On Hold.		
1552-0005	03/24/11	072-0005	CTS - Alternate 5	7		Authorized	03/24/11		+950,000	CS Letter from DED dated 3/24/11 has agreed to a modification of \$950,000 for performing additional work. Amendment No. 1 authorized by ED/CEO on 12/21/11. COMPLETE, NO FURTHER ACTION; Amendment #1	Amendment 1 Approved	
1552-0006	06/28/11	072-0006	Audited Overhead Rate Adjustment for Year 2010 - Request for Amendment	7					-0-	Estimated cost of \$406,320 is included in the 6/28/11 letter from CSDG. See 1552-0006 Rev. 1 for most current estimate		
1552-0007	07/25/11	072-0007	REVIT and CAD Support (to City Staff) Option to DP2 Contract (Optional Services Task 12.12)	1		Authorized	07/25/11		+79,200	CS Letter No. 0768 from ED/CEO dated 7/25/11 has authorized Optional Task 12.12 NTE \$79,200.		
1552-0008	08/03/11	072-0008	MOS Revisions to Emergency Ventilation Requirements	-		Provide further Justification	09/07/11		-0-	CMB did not approve a \$60,000 proposed increase. Document References ECP FD028, CSDG letter dated 8/8/11. DPM responded that program does not agree in letter dated 10/17/11.		
1552-0009	08/03/11	072-0009	CTS Revisions to Emergency Ventilation Requirements	-		Provide further Justification	09/07/11		-0-	CMB did not approve an \$80,000 proposed increase. Document References ECP FD029, CSDG letter dated 8/8/11. DPM responded that program does not agree in letter dated 10/17/11.		
1552-0010	08/03/11	072-0010	UMS Revisions to Emergency Ventilation Requirements	-		Provide further Justification	09/07/11		-0-	CMB did not approve a \$100,000 proposed increase. Document References ECP FD030, CSDG letter dated 8/8/11. DPM responded that program does not agree in letter dated 10/17/11.		
1552-0011	08/17/11	072-0011	Audited Overhead Rate Adjustment for Year 2010 - Request for Amendment - Rev. 1	7					+426,322	Estimated cost breakdown is included in the 8/17/11 letter from CSDG. This is a revision to the 6/28/11 letter and cost breakdown.		
1552-0012	08/23/11	072-0012	Station Air Replenishment System	-		Disagree	10/17/11		+36,240	Estimated cost breakdown is included in the 8/23/11 letter from CSDG. DPM responded that program does not agree in letter dated 10/17/11.		
1552-0013	09/01/11	072-0013	COR for Additional Services Related to MOS Constructability Review and Assessment of Alternatives	-					-0-	Cost charged to Task 2.70- part of base work		
1552-0014	09/22/11	072-0014	Proposal for Additional Work to provide Structural Engineering Support (Optional Services)	1		Authorized Optional Task 12.01.C5 only	11/04/11		+35,724	Estimated cost breakdown is included in the 9/22/11 letter from CSDG. Referenced Optional Work Tasks 12.01.C5 and 12.07.C5 - Effort re-evaluated - proposed cost to be resubmitted. CS Letter No. 1232 dated 11/4/11 from Director of Transportation has authorized Optional Task 12.01.C5 for the amount of \$12,796.	Option	
Contract CS-155-2 Total									+1,046,324	+850,384	Of the total cost exposure shown, Contract Modifications and Authorized Option dollars have been absorbed by DP2 allocated contingency in the amount of \$1,046,324 of a total budget of \$4,890,707. Overall contract value remains unchanged in the amount of \$39,949,959.	
Contract CS-155-3												
1553-0001	08/09/11	073-0001	Authorization to commence optional tasks 9.20J Technical Specifications Item J Facility SCADA	1		Authorized	08/01/11		+259,305	SFMTA letter 0933 from ED/CEO dated 8/9/11 authorizing \$738,787 in optional tasks. COMPLETE, NO FURTHER ACTION; OPTION	Option	
1553-0002	08/09/11	073-0002	Authorization to commence optional tasks 12.05 Architectural Plans	1		Authorized	08/01/11		+257,129	SFMTA letter 0933 from ED/CEO dated 8/9/11 authorizing \$738,787 in optional tasks. COMPLETE, NO FURTHER ACTION; OPTION	Option	
1553-0003	08/09/11	073-0003	Authorization to commence optional tasks 12.13J Facility SCADA Design	1		Authorized	08/01/11		+169,553	SFMTA letter 0933 from ED/CEO dated 8/9/11 authorizing \$738,787 in optional tasks. COMPLETE, NO FURTHER ACTION; OPTION	Option	

- 1 - Owner Directed Change in Scope
- 2 - Unforeseen Conditions
- 3 - Errors and Omissions
- 4 - Quantity Variation
- 5 - Value Engineering
- 6 - Private Utilities
- 7 - Other

CENTRAL SUBWAY PROJECT
Project Trend/Change Control Log

Item #	Date Initiated	Change Description	Change Type	CMB No.	Status		Projected Cost Impact +Exposure/(Benefit)		Comments	Modification Number	Completed by Project Controls Manager per Completed Change Form	
					Action	Date	Actual/Forecast	Potential Change			Verifier Name	Date
1553-0004	08/09/11	073-0004	1		Authorized	08/01/11	+52,800		SFMTA letter 0933 from ED/CEO dated 8/9/11 authorizing \$738,787 in optional tasks. COMPLETE, NO FURTHER ACTION; OPTION	Option		
1553-0005	09/19/11	073-0005	7		Authorized	03/08/12	+38,380		Signed by Director of Transportation 3/8/2012. COMPLETE, NO FURTHER ACTION ; Amendment 2	Amendment 2 Approved		
1553-0006	09/22/11	073-0006	1		Authorized	11/04/11	+10,285		Letter dated 9/22/11 to DOM. PMCM response pending. Priced level of Effort assumed for this task. SFMTA Letter 1213 from Director of Transportation dated 11/4/11 authorizing optional task.			
1553-0007	09/27/11	073-0007	7					+59,460	Letter dated 9/27/11 to DOM. NOT FOLLOWING CONTRACT REQUIREMENTS FOR PROPER NOTIFICATION OF CHANGE. PMCM has responded to clarify scope in stations and Tunnel Design. Awaiting resubmittal of request by DP3			
1553-0008	10/05/11	073-0008	7		Disagree A.12.08- Signage	11/09/11			Letter dated 10/5/11 to DOM. NOT FOLLOWING CONTRACT REQUIREMENTS FOR PROPER NOTIFICATION OF CHANGE. CS Memo No. 0882 from DOM to DP3 PM considers A.12.08 Signage as part of the work necessary to complete the trackway elements of the scope. The work in question is considered part of the base scope of services.			
1553-0009	10/11/11	073-0009	1		Authorized	11/04/11	+33,000		SFMTA Letter 1213 from Director of Transportation dated 11/4/11 authorizing optional task. COMPLETE, NO FURTHER ACTION; OPTION	Option		
1553-0010		073-0010	1		Authorized	11/04/11	+108,240		SFMTA Letter 1213 from Director of Transportation dated 11/4/11 authorizing optional task. COMPLETE, NO FURTHER ACTION; OPTION	Option		
1553-0011		073-0011	1		Authorized	11/04/11	+81,374		SFMTA Letter 1213 from Director of Transportation dated 11/4/11 authorizing optional task. COMPLETE, NO FURTHER ACTION; OPTION	Option		
1553-0012	11/09/11	073-0012	7		Authorized	01/18/12	+88,855		Contract Modification No. 1 authorized by ED/CEO on 1/18/12 COMPLETE, NO FURTHER ACTION; Amendment #1	Amendment 1 Approved		
1553-0013	11/09/11	073-0013	7		Authorized	01/18/12	+64,027		Letter dated October 7, 2011 to DOM. PM/CM response pending. Contract Modification No. 1 authorized by ED/CEO on 1/18/12 COMPLETE, NO FURTHER ACTION; Amendment #1	Amendment 1 Approved		
1553-0014	02/06/12	073-0014			Authorized	02/06/12	+54,712		SFMTA Letter 1381 from Director of Transportation dated 2/06/12 authorizing optional tasks 12.12e in the amount of \$41,280 and 2.50 for \$13,432 COMPLETE, NO FURTHER ACTION; OPTION	Option		
1553-0015	03/20/12	073-0015	1					+26,026	FD-034 was updated by CMB on 3/14/12. Proposal transmitted via letter CS1553 No. 0012 dated 3/20/12 to DOM. Amendment #4 PENDING			
1553-0016	03/23/12	073-0016	7		Authorized	04/26/12	+173,119		SFMTA letter 1658 from Director of Transportation dated 4/26/2012 authorizing \$173,119 in optional tasks. Included in FD-035 to be presented to CMB on 6/26/12	Option	mab	06/26/12
1553-0017	05/14/12	073-0017	1		Authorized	05/04/12	+34,483		Signed by Director of Transportation 5/14/12 COMPLETE, NO FURTHER ACTION; Amendment #3	Amendment 3 Approved		
1553-0018	05/14/12	073-0018	1		Authorized	05/04/12	+61,043		Signed by Director of Transportation 5/14/12 COMPLETE, NO FURTHER ACTION; Amendment #3	Amendment 3 Approved		
1553-0019	04/09/12	073-0019	1		Authorized	04/09/12	+52,712		SFMTA Letter 1630 from the Director of Transportation dated 4/9/2012 authorizing optional task 12.02 in the amount of \$52,712 COMPLETE, NO FURTHER ACTION; OPTION	Option		
1553-0020	04/09/12	073-0020	1		Authorized	04/09/12	+109,000		SFMTA Letter 1630 from the Director of Transportation dated 4/9/2012 authorizing optional task 12.12 in the amount of \$109,000 COMPLETE, NO FURTHER ACTION; OPTION	Option		
1553-0021	04/26/12	073-0021	1		Authorized	04/26/12	+173,119		SFMTA Letter 1658 from the Director of Transportation dated 4/26/2012 authorizing optional task 12.11 in the amount of \$173,119 COMPLETE, NO FURTHER ACTION; OPTION	Option		
1553-0022	04/26/12	073-0022	1		Authorized	04/26/12	+30,000		SFMTA Letter 1658 from the Director of Transportation dated 4/26/2012 authorizing the increase in optional task 12.12e in the amount of \$30,000 COMPLETE, NO FURTHER ACTION; OPTION	Option		

- 1 - Owner Directed Change in Scope
- 2 - Unforeseen Conditions
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- 7 - Other

CENTRAL SUBWAY PROJECT
Project Trend/Change Control Log

Item #	Date Initiated		Change Description	Change Type	CMB No.	Status		Projected Cost Impact +Exposure/(Benefit)		Comments	Modification Number	Completed by Project Controls Manager per Completed Change Form	
						Action	Date	Actual/Forecast	Potential Change			Verifier Name	Date
1553-0023	05/21/12	073-0023	Authorization to commence option task 12.11 structural design support for Fire Protection and Plumbing designs	1		Authorized	05/21/12	+39,204		SFMTA Letter 1688 from the Director of Transportation dated 5/21/2012 authorizing the increase in optional task 12.11 in the amount of \$39,204 COMPLETE, NO FURTHER ACTION; OPTION	Option		
1553-0024	05/21/12	073-0024	Authorization to commence optional task 12.12 structural design support for Traction Power and Power/Lighting designs	1		Authorized	05/21/12	+43,638		SFMTA Letter 1688 from the Director of Transportation dated 5/21/2012 authorizing the increase in optional task 12.12 in the amount of \$43,638 COMPLETE, NO FURTHER ACTION; OPTION	Option		
1553-0025	05/21/12	073-0025	Authorization to commence optional task 12.13 structural design support for Telephone and CCTV designs	1		Authorized	05/21/12	+24,328		SFMTA Letter 1688 from the Director of Transportation dated 5/21/2012 authorizing the increase in optional task 12.13 in the amount of \$24,328 COMPLETE, NO FURTHER ACTION; OPTION	Option		
1553-0026	05/21/12	073-0026	Authorization to commence optional task 9.20 Technical Specifications for structural design support for above designs	1		Authorized	05/21/12	+3,039		SFMTA Letter 1688 from the Director of Transportation dated 5/21/2012 authorizing the increase in optional task 9.20 in the amount of \$3,039 COMPLETE, NO FURTHER ACTION; OPTION	Option		
Contract CS-155-3 Total								+1,961,345	+85,486	Of the total cost exposure shown, Contract Modifications and Authorized Option dollars have been absorbed by DP3 allocated contingency in the amount of \$1,168,995 of a total budget of \$4,598,725. Overall contract value remains unchanged in the amount of \$19,919,526.			

- 1 - Owner Directed Change in Scope
- 2 - Unforeseen Conditions
- 3 - Errors and Omissions
- 4 - Quantity Variation
- 5 - Value Engineering
- 6 - Private Utilities
- 7 - Other