


Memorandum

CS Memorandum No. 1419

To: Distribution

From: Beverly Ward, CMB/Risk Management Assistant 

Date: April 16, 2013

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

Subject: Configuration Management Board Meeting No. 121

Attached please find minutes for Configuration Management Board Meeting No. 121 held on April 10, 2013.

Attachments: CMB Meeting No. 121 Rev. 0 Minutes with attachments

Cc: David Kuehn, STV (w/attachments) david.kuehn@stvinc.com
Brad Lebovitz, STV (w/attachments) bradley.lebovitz@stvinc.com
Shahnam Farhangi, SFMTA (w/attachments)
John Funghi, SFMTA (w/attachments)
Arthur Wong, SFMTA (w/attachments)
Roger Nguyen, SFMTA (w/attachments)
Sarah Wilson, CSP (w/attachments)
Jane Wang, SFMTA (w/attachments)
Aileen Read, CSDG (w/attachments)
CS File No. M544.1.5.0890

Distribution:

Luis Zurinaga, SFCTA luis.zurinaga@sfcta.org
Albert Hoe, SFMTA
Mark Latch, CSP
Richard Redmond, CSP
Joon Park, SFMTA
Mark Benson, CSP
Ross Edwards, CSP
Eric Stassevitch, CSP
Brian Kelleher, SFMTA
Vivian Chow, SFMTA
Beverly Ward, CSP

CMB Meeting Minutes #121

DATE: April 11, 2013

MEETING DATE: **April 10, 2013**

LOCATION: 821 Howard St, Main Conference Room

TIME: 3:00 PM

ATTENDEES: A. Hoe (AH), R Edwards (RE), M. Benson (MB), R. Redmond, (RR), J. Park (JP), M. Latch (ML), B. Kelleher (BK), V. Chow (VC), E. Stassevitch (ES), B. Ward (BW), L. Zurinaga (LZ)

COPIES TO: Attendees: S. Farhangi (SF), J Funghi (JF), R. Nguyen (RN), S. Wilson (SW), A. Wong (AW), J. Wang (JW), A. Read (AR), B. Lebovitz (BL), 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 # 121 – Rev. No. 0

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

| ITEM # | DISCUSSION | ACTION BY DUE DATE |
|----------------|--|-----------------------|
| 7- 04/03/13 | 1252 – R. Edwards presented PCC 012 - Revised Tunnel Alignment for approval of the Re-profile of tunnel to avoid the micropile installed under CN1251. In response to RFI 179 this PCC directs the Contractor to use the revised micropile northbound and southbound profile to avoid conflict with existing micropile. The change is required so that TBM and Tunnel structure is below previously installed micro-piles (see attached). The CMB recommend a request be made to the Contractor to segregate all changes so the information may be included in the documentation regarding the Designers E&O issue. Also the CMB need evidence that the design change has been routed and is signed off by the various disciplines as backup documentation for the files. Notification of the profile change will be submitted to BART and the IRP. Status: <i>04/10 This item was not discussed at this week's meeting</i> | RE 04/24/13 |
| - 04/03/13 | 1252 – Design Services During Construction - M. Benson presented for a later discussion in more detail a summary of CS155-2 (DP2) Task16 Design Services expended for subtask 16.30 and 16.40. Demonstrating actual cost to date of design services expended during the construction phase. The CMB recommend the chart be expanded showing the total budget for the each individual task in column format, also a breakout of the submittal description and detailing the RFI category type reviewed under the headwalls. In addition information regarding hours spent on activities not included in 16.30 and 16.40. The CMB also requested the same level of effort be presented for review for Design Contract CS155-1 (DP1). This item will be brought back to the next CMB meeting. <i>04/10 M. Benson reported a modification to the DP2 Design Services chart was updated expanding the summary to demonstrate the burnout of the individual task/categories. Further investigation still needs to take place to resolve some issues with a conflicting burn rate between the actual progress payment invoice submitted and documentation submitted by the Designer</i> | MB 04/17/13 |

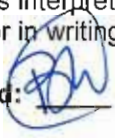
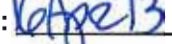
| ITEM # | DISCUSSION | ACTION BY DUE DATE |
|--------|---|-----------------------|
| | <i>prior to being forward to the Deputy Program Manager for review. A detail presentation will be given at next week's meeting of DP2 and DP1 cost breakdown by category.</i> | |
| 1- | 1300 – Delegation of Authority (\$5M) – R. Redmond introduced for discussion The Executive Director's delegation of authority to approve up to \$5M in construction change orders before it requires SFMTA Board approval. The CMB agreed a structured resolution needs to be implemented justifying the need for an increase to the level of authority limit requiring SFMTA Board approval. R. Redmond will draft a "white paper" document outlining the rationale of why a higher level of authority is needed, and to site examples of what other agencies are doing. A review of the document by the CMB will be done and if agreed will be to submitting to the Program Director for his approval in going forward. | |
| 2- | <p>Action Item Review:</p> <p>1252 – Update on Micro Pile – A revised approved micro pile realignment profile was submitted to the Contractor on 04/08/13. The CMB suggested a cross check against the Contractor's alignment submittal be done to ensure the correct alignment is being implemented (see attached). CLOSED</p> <p>1252 - Verification of California Class1 correct site for disposal of Asbestos laden (transite) pipe - Verification as to how the 1252 Contractor is handling the transite pipe during the headwall excavation/construction was submitted. The asbestos pipe is being treated as Class1 (friable) or Class II (non-friable) and disposal facility of the asbestos material is being disposed of in Vacaville, CA (see attached). CLOSED</p> <p>1252- Asbestos Wrapped 20" Water line @ headwalls information in 1300 docs – Material was submitted closed the follow up action to make a notation in addendum No. 8 of the 1300 documents of the condition of the 20" water line located between the north and south headwalls (see attached). CLOSED</p> | |
| 3- | The Program Trend/Change Control Log dated 04/10/13 was viewed. A review of newly added COR #85 SFWD Impacts at MOS North (standby cost) due to SFWD failure to complete waterline reroutes (chlorination and tie-in) in a specified duration was discussed. The Construction Manager contends this COR is not valid due to the water department not having contractual durations to complete this work. Contractor will be put on notice that this COR will be rejected. The log is attached for distribution with these meeting minutes. | |

ACTION ITEMS

| ITEM # | MTG DATE | MTG ACTION DATE | DESCRIPTION | BIC | DUE DATE | STATUS |
|--------|----------|-----------------|--|-------|----------|---------------|
| 1 | 11/07/12 | 11/07/12 | 1300 – 1254 – SF Planning Request - Cost | RE | 04/17/13 | Open |
| 1 | 02/20/13 | 02/27/13 | 1252 – Update on Micro Pile | ML/RE | 04/10/13 | CLOSED |
| 2 | 12/12/12 | 03/20/13 | 1252 – Verification of California Class1 correct site for disposal of hazardous material from 1252 as built information included in 1300 docs. | RE/QC | 04/10/13 | CLOSED |
| 5 | 04/03/13 | 04/03/13 | 1252- Asbestos Wrapped 20"Water line @ headwalls information in 1300 docs | RE | 04/10/13 | CLOSED |
| 7 | 04/03/13 | 04/03/13 | 1252 – PCC 12 – Advise BART and IRP | RE | 04/24/13 | Open |
| 8 | 04/03/13 | 04/03/10 | 1252 – DP2/DP1 – Design Services hours and cost during construction | MB | 04/17/13 | Open |

Meeting adjourned at 4:05pm

These meeting minutes have been prepared by B. Ward and reviewed by, E. Stassevitch 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:  [Date review completed]

Meeting Agenda

Project No. M544.1, Contract No. CS-149
Program/Construction Management
Configuration Management Board (CMB) Meeting No. 121
April 10, 2013
3:00pm – 5:00pm
 Central Subway Project Office
 821 Howard St. 2nd Floor
 Main Conference Room

Attendees:

| | | | |
|------------------|----------------|-----------------|------------------|
| Mark Benson | John Haley | Mark Latch | Eric Stassevitch |
| Vivian Chow | Albert Hoe | Brad Lebovitz | Beverly Ward |
| Ross Edwards | Brian Kelleher | Roger Nguyen | Sarah Wilson |
| Shahnam Farhangi | Jim Kelly | Joon Park | Arthur Wong |
| John Funghi | David Kuehn | Richard Redmond | Luis Zurinaga |


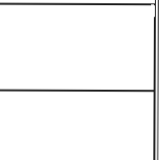
1. **1252** – Design Services Hours/Cost during Construction – *Follow Up*
2. **1300** – Delegation of Authority (\$5M) – *For Discussion*
3. **Trend/Change Log** – 04/10/13
4. **Other Business** – Action item: Asbestos pipe Class I & II site disposal (1300 docs) - *Verification*

Meeting Attendance Sheet

Project No. M544.1, Contract No. 149
Program/Construction Management
Configuration Management Board Meeting No. 121
April 10, 2013
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 | MCB |
| Chow, Vivian | SFMTA | (415) 701-5264 | Vivian.chow@sfmta.com | VC |
| Edwards, Ross | CSP | (415) 701-5296 | Ross.Edwards@sfmta.com | RE |
| Farhangi, Shahnam | SFMTA | (415) 554-0721 | Shahnam.Farhangi@sfmta.com | |
| Funghi, John | SFMTA | (415) 701-4299 | John.Funghi@sfmta.com | |
| Haley, John | SFMTA | | John.Haley@sfmta.com | |
| Hoe, Albert | SFMTA | (415) 701-4289 | Albert.Hoe@sfmta.com | AH |
| Kelleher, Brian | SFMTA | (415) 701-5289 | Kelleher.Brian@sfmta.com | BK |
| 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 | ML |
| Lebovitz, Brad | STV/PMOC | (510) 464-8052 | Bradley.lebovitz@stvinc.com | |

| 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 |  |
| Redmond, Richard | CSP | (415) 701-4288 | Richard.Redmond@sfmta.com |  |
| Stassevitch, Eric | CSP | (415) 701-4426 | Eric.Stassevitch@sfmta.com |  |
| Ward, Beverly | CSP | (415) 701-5291 | Beverly.Ward@sfmta.com |  |
| Wilson, Sarah | CSP | (415) 243-0950 | Sarah.Wilson@sfmta.com | |
| Wong, Arthur | SFMTA | (415) 701-4305 | Arthur.Wong@sfmta.com | |
| Zurinaga, Luis | SFCTA | (415) 716-6956 | Luis.zurinaga@sfcta.org |  |
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| 5 | 04/03/13 | 04/03/13 | 1252- Asbestos Wrapped 20"Water line @ headwalls information in 1300 docs | RE | 04/10/13 | Open |
| 8 | 04/03/13 | 04/03/10 | 1252 – DP2/DP1 – Design Services hours and cost during construction | MB | 04/10/13 | Open |

Meeting adjourned at 5:10pm

SUBJECT: Configuration Management Board Meeting # 118 – Rev. No. 0

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

| ITEM # | DISCUSSION | ACTION BY DUE DATE |
|-----------------|---|--|
| 1 – 02/20/13 | <p>Action Items Review:</p> <p>1252 – COR 033 – Retrieval Shaft – 20” Water Line – An update to the current condition will be given at next CMB meeting. Status: <i>03/20 Due to the Relocation of TBM Retrieval Shaft this COR is no longer valid and is considered closed.</i> CLOSED</p> <p>1300 – WP 1254 – SF Planning Request – Planning department requested 5 street trees along Stockton Street. The ECP will be brought back to the CMB along with an estimate. The CMB recommended a response be drafted to Service Planning of what the cost will be from a design standpoint and that they identify a funding source. Status: <i>03/20 No update was provided to this action item as it relates to the drawing package cost. As requested by the CMB verification was confirmed The Planning Department request for five (5) Street trees and additional sidewalk bulb-out at Stockton Street is included in Addendum #3 of the 1300 Contract.</i></p> <p>1252 – Validation that 1300 docs include as built information on asbestos pipe – As built information has yet to be included in 1300 Contract documents, 1252 as built drawings will be included in Addendum #5. Status: <i>03/20 Material was submitted verifying as built information was included in addendum #5. The CMB questioned if California Class 1 facilities was correct for disposal site of the hazardous waste. An investigation will be done to find out how the 1252 Contractor is handling the removal, abatement and disposal of asbestos laden transite pipe. This item is considered closed as it relates to 1252 as built information included in 1300 docs.</i></p> | <p>RE 04/03/13</p> <p>RE/QC 04/03/13</p> |
| | | |

| | |
|----------------------|--|
| <p>01 20 00-9</p> | <p>Price and Payment procedures, Issued for Addendum No. 4 dated February 15, 2013: <u>DELETE</u> paragraph 1.04.A.9.a in its entirety and <u>REPLACE</u> with the following: “a. The unit price for California Class I (Non-RCRA) Excavated Hazardous Wastes Mitigation and Disposal Work shall be full payment for the cost of Work and Materials necessary for the handling and disposal of excavated soils containing California Class I hazardous wastes, for the YBM-1255 package Work. Removal, abatement and disposal of asbestos laden transite pipe and debris identified on the drawings is incidental to the Work of this Bid Item.”</p> |
| <p>01 27 00.92-6</p> | <p>Dispute Review Board, Issued for Bid dated October 22, 2012: <u>DELETE</u> Article 1.08.B.1 in its entirety and <u>REPLACE</u> with the following: “1. Referral by the Contractor: The Contractor may initiate Dispute Review only as to certified Contract Claims presented to and rejected by the Engineer and the Director of Transportation (or other SFMTA representative designated by the Department Head).”</p> |
| <p>01 31 03.92-1</p> | <p>Partnering, Issued for Bid dated October 22, 2012: <u>DELETE</u> Article 1.01.B in its entirety and <u>REPLACE</u> with the following: “B. The Contractor is not obligated to enter into Partnering with the City. There will be no penalties of any kind imposed if the Contractor elects not to participate in Partnering with the City.” <u>ADD</u> the following new paragraph after Article 1.01.B: “C. The Contractor shall establish a partnering process to resolve any dispute between the Contractor and any Subcontractor of any tier concerning the performance of or payment for the Work where the dispute does not involve the City. A partnering session shall be held upon request by any Subcontractor or the Contractor. A Subcontractor shall bear its own costs of participating in such partnering sessions, and Contractor shall pay all other costs of such partnering sessions. The City has no liability for the cost of such partnering.”</p> |

Ward, Beverly

From: Chin, H.Quon
Sent: Thursday, April 04, 2013 12:25 PM
To: Ward, Beverly
Cc: Edwards, Ross
Subject: YBM: asbestos laden (Transite) pipe
Attachments: FW: asbestos; 1-0_Contract No 1300-ADD5.pdf

Good Afternoon Beverly,

As requested, please find attached the email from Asbestos Management Group (AMG) that handled the transite pipe found under Contract 1252 during the headwall excavation/construction. AMG is treating it as Class I (friable) and/or Class II (non-friable). Under Addendum No. 5, the Section 01 20 00 – Price and Payment Procedure was revised to make this work incidental to the Work (under UD-drawings for utility demolition). Previous Addendum indicated the location and type of AT&T ductbank “piping”.

Attached: Matt Hembd’s email he received from AMG and the Addendum No. 5 document issued.

H. Quon Chin
SFMTA | Central Subway Project
email: H.Quon.Chin@sfmta.com
direct: 415 701-5290

From: Hembd, Matthew
Sent: Thursday, March 21, 2013 1:06 PM
To: Chin, H.Quon
Subject: FW: asbestos

From: Jack Sucilsky [<mailto:jack.sucilsky@barnard-inc.com>]
Sent: Thursday, March 21, 2013 9:28 AM
To: Hembd, Matthew
Subject: Fwd: asbestos

Sent from [my iPhone](#)

[Begin forwarded message:](#)

From: Andres Arce <andresarce@att.net>
Date: March 21, 2013 5:32:54 AM PDT
To: "jack.sucilsky@barnard-inc.com" <jack.sucilsky@barnard-inc.com>
Subject: Re: asbestos
Reply-To: Andres Arce <aarce@amgofca.com>

AMG use Hay Road landfill in vacaville, class I friable haz material and classII non-haz non-friable material

Andres Arce
Project Manager/ Estimator
Asbestos Management Group of Ca.
3438 Helen Street
Oakland, Ca. 94608

aarce@amgofca.com

Office: 510-654-8441

FAX: 510-654-8447

Cell: 510-715-0061

From: Jack Sucilsky <jack.sucilsky@barnard-inc.com>

To: andresarce@att.net

Sent: Wednesday, March 20, 2013 5:37 PM

Subject: FW: asbestos

Andres,

Can you help me answer the question below?

Thanks,

Jack

From: Hembd, Matthew [<mailto:Matthew.Hembd@sfmta.com>]

Sent: Wednesday, March 20, 2013 5:26 PM

To: jack.sucilsky@barnard-inc.com

Subject: asbestos

Jack,

Do you know what disposal facility AMG takes the asbestos material too? And do know what type of material it is classified under (Class I, Class II etc?)

Matt

| | |
|--|---|
| 5. DRAWINGS | |
| YBM-1255 | ADDENDUM NO. 8 DRAWING |
| Sheet #42 UD-402 | ADD to the end of Note 2 with the following: “ CONTRACTOR SHALL ABATE EXISTING ASBESTOS WRAPPED 20” W LINE LOCATED BETWEEN THE NORTH AND SOUTH HEADWALLS DURING EXCAVATION OR PRIOR TO REMOVAL. (APPROX. STA. LOCATIONS CTL 153+25, 23’ LT (AT NORTH HEADWALL) AND CTL 156+10, 24’ LT (AT SOUTH HEADWALL).” |
| Sheet #43 UD-403 | ADD to the end of Note 2 with the following: “ CONTRACTOR SHALL ABATE EXISTING ASBESTOS WRAPPED 20” W LINE LOCATED BETWEEN THE NORTH AND SOUTH HEADWALLS DURING EXCAVATION OR PRIOR TO REMOVAL. (APPROX. STA. LOCATIONS CTL 153+25, 23’ LT (AT NORTH HEADWALL) AND CTL 156+10, 24’ LT (AT SOUTH HEADWALL).” |
| STS-1256 | ADDENDUM NO. 8 DRAWINGS |
| Sheet #10 GE-018 | DESTROY drawing GE-018 Rev. 2 in its entirety and REPLACE with the attached drawing GE-018 Rev. 3. |
| Sheet #800 TR-020 | DESTROY drawing TR-020 Rev. 0 in its entirety and REPLACE with the attached drawing TR-020 Rev. 1. |
| 6. REFERENCE DOCUMENTS - NONE | |
| 7. ADDITIONAL ENCLOSURES - NONE | |

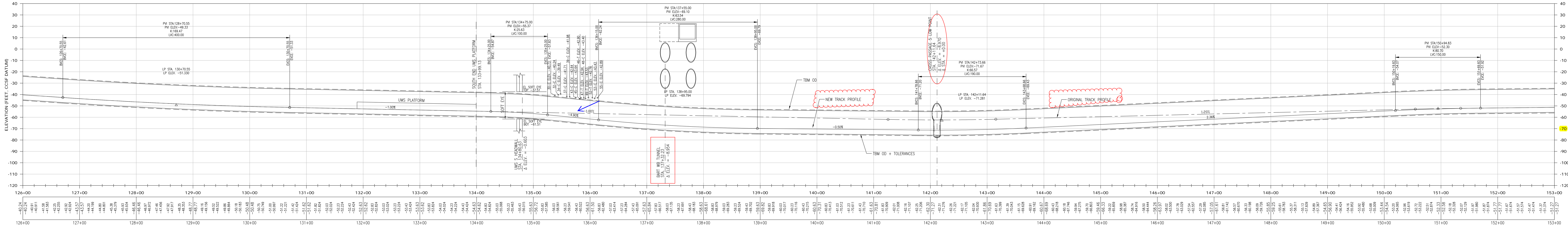
End of Addendum No. 8

Enclosures:

- E1 TABLE OF CONTENTS
 - a. SPECIAL PROVISIONS
 - b. TECHNICAL SPECIFICATIONS
 - c. DRAWINGS
- E2 PROPOSAL

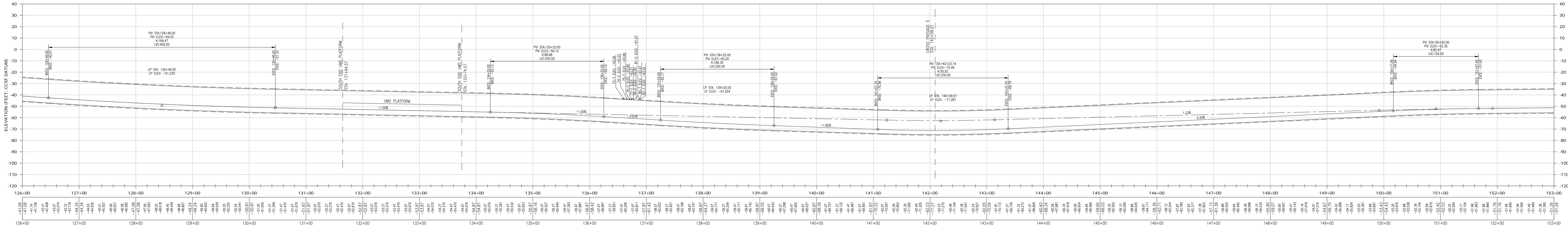
NB PROFILE

STATION



SB PROFILE

STATION



CENTRAL SUBWAY PROJECT
Project Trend/Change Control Log

| Contract Estimate and Allocated Contingencies | | | | | | | | | | | |
|---|----------------|----------|--|-------------|-----------------|---------------|--|---|--|------------------------|-----------------|
| Item # | Date Initiated | CMB No. | Change Description | Change Type | Change Status | | Projected Cost Impact +Exposure/(Benefit) | Comments | Contract Modification Number | Utility Reimbursements | |
| | | | | | Approval Action | Approval Date | | | | | Actual/Forecast |
| 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) | Cleared City Attorney's Office; to Shahnam for execution. [In "Current Forecast" - Sep2010 Cost Report.] COMPLETE, NO FURTHER ACTION; CMOD #1 | CMOD #1 Approved | | |
| 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 duct bank. 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 duct bank 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 duct bank 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 | (19,500) | |
| 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 | | |
| 1250-0010 | 10/06/10 | 081-0010 | Perform AT&T wye cast connection and chipping of existing duct bank at various locations | 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 duct bank. This will cause additional excavation, joint trench and modification to existing duct bank. 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 | (48,181) | |

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|-----------|----------------|--------------------|---|---------|-----------------|---------------|--|----------|--|------------------------|-----------------|
| | | | | | Approval Action | Approval Date | | | | | Actual/Forecast |
| 1250-0011 | 10/06/10 | 081-0011 | Remove existing piles and shoring at 801 Howard | 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 | Additional work related to AT&T facilities due to unforeseen conditions. | 6 | CMB-0047 | Agree | 08/03/11 | -0- | 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. (\$67,798) Expected Reimbursement from AT&T. Cost captured in Trend #15 COMPLETE, NO FURTHER ACTION; CMOD #20 | CMOD #20 Approved | |
| 1250-0013 | 10/06/10 | 081-0013 | Additional work related to PG&E facilities due to unforeseen conditions. | 6 | CMB-0047 | Agree | 08/03/11 | -0- | 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. (\$30,547) Expected Reimbursement from AT&T. Cost captured in Trend #15 COMPLETE, NO FURTHER ACTION; CMOD #20 | CMOD #20 Approved | |
| 1250-0014 | 10/06/10 | 081-0014 | Remove brick wall at sewer sta 152+94 (west side) on 4th between Howard and Folsom. | 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 | Archaeological Findings - Charges for rental of steel plates, triton barriers, shoring and labor for maintenance. | 2 | | | | +784,771 | 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. \$597,000 Arch, \$179,000 DIFF, \$8,500 Traffic COMPLETE, NO FURTHER ACTION; CMOD #20 | CMOD #20 | |
| 1250-0016 | 10/06/10 | 081-0016 | Additional AWSS modification at 4th/Harrison | 1 | CMB-0016 | Agree | 11/10/10 | +156,418 | New alignment is proposed by Design team. No reimbursement from SFPUC AWSS. COR #33 Supplemental COMPLETE, NO FURTHER ACTION; CMOD #12 | CMOD #12 Approved | |
| 1250-0017 | 10/06/10 | 081-0017 | Protection Work at PG&E Vault 1611 | 6 | | | | -0- | 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 | Demolition and Support Work at PG&E Vault 1611 | 6 | | | | -0- | 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 | Extended overhead delay claim due to Archaeological discoveries | 2 | | | | | 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 | Sewer modification under I-80 freeway at 2 locations | 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 | Install new AWSS lateral including hydrant at NW 4th/Harrison | 2 | | | | | 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. | | |
| 1250-0022 | 10/06/10 | 081-0022 | Install additional 30 feet of DIP and new AWSS at 4th/Harrison | 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 | Steel plates and shoring standby for 2 months due to PG&E delay at Clementina | 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 | Utility support and work around for AT&T facilities | 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 Approved | (95,311) |

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|-----------|----------------|--------------------|-------------|----------|-----------------|---------------|--|--|------------------------------|------------------------|
| | | | | | Approval Action | Approval Date | | | | |
| 1250-0025 | 10/06/10 | 081-0025 | 6 | | | | | Contract specs specified PG&E to compensate contractor directly for workaroud & 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 workaroud. 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 #20 Approved | |
| 1250-0027 | 10/06/10 | 081-0027 | 2 | | | | -0- | 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 Approved | |
| 1250-0028 | 12/08/10 | 081-0028 | 2 | | | | -0- | 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 #14 Approved | |
| 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 | | | | -0- | 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 | | |
| 1250-0032 | 12/08/10 | 081-0032 | 4 | | | | -0- | 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 | 4 | | | | -0- | 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 | 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 | |
| 1250-0035 | 12/08/10 | 081-0035 | 2 | | | | -0- | 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. COR Not submitted by Contractor CLOSED COMPLETE, NO FURTHER ACTION | | |

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| | | | | | | Approval Action | Approval Date | | | | |
| 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 | -0- | 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); -0- 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 10/29: CMod 20 is being issued as a unilaterally change, by the SFMTA that represents the SFMTA's estimate of a fair and reasonable final compensation amount for the additional work. COMPLETE, NO FURTHER ACTION | CMOD #20 Approved | |
| 1250-0037 | 12/08/10 | 081-0037 | Compensation for loss of production, inefficiency and disruption of work due to archaeological discovery | 2 | | | | -0- | 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 | | |
| 1250-0038 | 03/18/11 | 081-0038 | Project Delay due to archaeological discovery and PG&E Issues. | 2 | | | | -0- | Due to archaeological discoveries compounded with PG&E's ability to perform service switchover to Olivet University and de-energize a live duct bank 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. | | |
| 1250-0039 | 05/18/11 | 081-0039 | Remove BP-4 (Waterproofing) from Contract | 4 | | | | -0- | 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 | | | | -0- | 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 | | | | -0- | 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 | | | | -0- | 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-0061.) | 7 | | | | | | VOIDED | |
| 1250-0043 | 08/03/11 | 081-0043 | Unit Rate Adjustment for Entire 1250 Bid Items | 4 | | | | (333,904) | 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 #20 | CMOD #20 Approved | |
| Contract 1250 Totals | | | | | | | | +2,694,211 | Total Changes to the Contract in the amount of \$2,694,211, represents a \$740,834 OVER RUN of the original allocated contingency of \$1,953,377. Changes that will be Utility Reimbursement credits through the Form B process in the amount of \$162,992 will offset some of this OVER RUN. Final Contract Closeout Total \$11,968,150 will be reduce by \$2,275,419 Utility Reimbursement credits for a Final Program cost of \$9,692,731 for CN 1250 | | (162,992) |

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| | | | | | Approval Action | Approval Date | | | | |
| Contract 1251 - Utilities Relocation #2 (UMS) | | | | | | | | | | |
| Contract 1251 Totals | | | | | | | +3,962,032 | <p>Total Changes to the contract in the amount of 3,962,032 represents an UNDERRUN of allocated contingency in the amount of \$1,405,265.32.</p> <p>Changes that will be Utility Reimbursement credits through the Form B process in the amount of \$1,224,828 will increase the UNDERRUN.</p> <p>Final Contract Closeout Total \$20,794,581 will be reduce by \$7,618,112 Utility Reimbursement credits for a Final Program cost of \$13,176,469 for CN 1251</p> | (1,224,828) | |
| Contract 1252 | COR No. | PCC No. | 1252 Change Description | Change Type | CMB Change No. | Configuration Management Board Agree/Disagree | Decision Date | Actual/Forecast | Comments | Contract Modification No. |
| 1252-0001 | 04/23/12 | 1 | AWSS Conflict w/ Low Pressure Water | 6 | CMB-0091 | Agree to Merit Agree to Cost | 10/10/12 1/16/13 | +16,907 | AWSS contract work was made more difficult by the proximity of a water line which was closer than indicated on UT-501. See COR 008 for TIA request. 10/10/12 - Merit info presented to CMB - Agreed 01/16/13 - CMB - NOT TO EXCEED Amount \$16,900 | |
| 1252-0002 | 04/23/12 | 2 | AWSS Add. Tie-Rods 4th-Harrison | 6 | CMB-0086 | Agree to Merit Agree to Cost | 10/10/12 12/19/12 | +58,000 | 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. 10/10/12 - Merit info presented to CMB - Agreed 12/19/12 - CMB - NOT TO EXCEED Amount \$58,000 | |
| 1252-0003 | 04/23/12 | 3 | AT&T Vault Conflict-4th & Harrison | 6 | CMB-0092 | Agree to Merit Agree to Cost | 10/10/12 1/16/13 | +16,015 | 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&T 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. 10/10/12 - Merit info presented to CMB - Agreed 01/16/13 - CMB - NOT TO EXCEED Amount \$21,089 | (16,015) |
| 1252-0004 | 05/18/12 | 6 | PG&E live electrical delays | 6 | CMB-0088 | Agree to Merit Agree to Cost | 11/28/12 1/9/2013 | +7,402 | PG&E lines indicated on contract drawing UD-502 thru 504 were to be abandoned yet were not yet abandoned when BIH started work. They were abandoned on 5/21. 11/28/12 - Merit info presented to CMB - Agreed 01/09/13 - CMB - NOT TO EXCEED Amount \$7,600 04/01/13 - CM team must obtain in writing from Utility a agreement to cost reimbursement. | CMOD #10 Approved |
| 1252-0005 | 06/06/12 | 7 | Oil filled pipe @ Launch Box | 2 | CMB-0093 | Agree to Merit Agree to Cost | 1/16/13 1/16/13 | +9,980 | 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. 01/16/132 - Merit info presented to CMB - Agreed 01/16/13 - CMB - NOT TO EXCEED Amount \$10,000 | CMOD #5 Approved |
| 1252-0006 | 04/23/12 | 8 | TIA - Associated w/ COR 001, COR 002, and COR 003 | 6 | | Agree to Merit | 10/10/12 | +269,904 | TIA and Overhead Costs related to COR 001, 002 and 003. 10/10/12 - Merit info associated w/COR's 001, 002 & 003 presented to CMB - Agreed. | |
| 1252-0007 | 06/12/12 | 9 | MOS - Live Utilities: PGE, AT&T, and SFWD 8" Water Line extra kill hole location | 2 | | Agree to Merit | 11/14/12 | +49,007 | 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. 11/04/12 - COR Evaluation for Merit presented to CMB. | |

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| | | | | | | Approval Action | Approval Date | | | | |
| 1252-0008 | 06/19/12 | 10 | MOS - Demo PGE duct bank / SF City 911 fiber optic line | 2 | CMB-0094 | Agree to Merit Agree to Cost | 10/10/12 1/16/13 | +4,916 | 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. 11/14/12 - Presented to CMB. The narrative will be rewritten CMB agrees with partial merit labor work involved in supporting the utility agencies. This item will be brought back to the CMB for approval. 01/09/13 - CMB - NOT TO EXCEED Amount 4,919.54 | CMOD #3 Approved | (4,916) |
| 1252-0009 | 07/02/12 | 11 | MOS - Traffic Signal line re-route south headwall | 6 | CMB-0095 | Agree to Merit Agree to Cost | 1/16/13 | +37,500 | After potholing Synergy discovered several traffic lines which were in the proposed location of the south MOS headwall. Traffic Lines re-routed. 01/16/13 - CMB - NOT TO EXCEED Amount \$37,500 | | |
| 1252-0010 | 01/00/00 | 12 | MOS - Archaeological Standby North Headwall | 2 | CMB-0096 | Agree to Merit Agree to Cost | 12/11/12 1/16/13 | +16,892 | Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered a layer of "Midden" or Native American debris. 12/11/12 - Merit info presented to CMB - Agreed 01/16/13 - CMB - NOT TO EXCEED Amount \$7,600 | CMOD #6 Approved | |
| 1252-0011 | 07/06/12 | 13 | PCC No. 13 - MOS - SL conduit from PG&E vault @ north headwall | 6 | | Agree to Merit | 11/28/12 | +10,903 | Permanent power is required to supply an existing Street Light box north of the MOS N headwall. 11/28/12 - Merit info presented to CMB - Agreed | | |
| 1252-0012 | 06/26/12 | 15 | LB - Pre-Excavation for Slurry Walls | 2 | CMB-0087 | Agree to Merit Agree to Cost | 11/28/12 12/19/12 | +96,000 | Pre-excavation of slurry wall panels due to CDF encased sewer line. The concrete encasement was found by the Contractor to extend to a depth of 9'-11' below the top of guide wall or street surface. The 8" VCP sewer main and concrete encasement was incorrectly shown in the contract drawings to be approximately 4'-5' below the street surface. 11/28/12 - Merit info presented to CMB - Agreed 12/19/12 - CMB - NOT TO EXCEED Amount \$96,000 | | |
| 1252-0013 | 07/02/12 | 17 | MOS - Standby Time @ south headwall due to live TS lines | 6 | | Agree to Merit | 11/21/12 | +79,153 | Standby delays related to the discovery of traffic lines within the proposed location of the south MOS headwall. 11/14/12 - COR presented to CMB. CMB requested additional revisions to the evaluation. CMB agrees with partial merit. The COR will be brought back to the CMB for approval. 11/21/12 - COR revisited at mtg for clarification the issue is related to CMB action from item 3 -7/25/12 (Mtg #88) specifically acted on 08/01/12 (CMB Mtg. 89) referred originally as Trend #15. | | |
| 1252-0014 | Closed | 19 | UMS - Grant street 2 way conversion (e- & striping) | 7 | | | | | 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. Closed - Work is done. 07/18/12 - This potential change was brought before the CMB. Board's decision to have DPT perform the work. CLOSED; NO FUTHER ACTION | | |
| 1252-0015 | 06/22/12 | 20 | PROJECT WIDE - Utility Demo limit reduction credit | 5 | | | | | 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. Closed - SFMTA to BIH/SPM "Build per Plan". | | |
| 1252-0016 | 04/02/12 | 21 | UMS - Reduced Duration | 5 | CMB-0073 | Agree Cost (Conditionally) | 8/01/12 | -0- | No cost change for acceleration or utility relocation, ground improvements (jet grouting), and headwall construction at Union Square/Market Street Station. 08/01/12 - CMB approval condition upon incorporating correctness to backup documentation as required by & documented in CMB mtg. RE to prepare modification. | CMOD #8 Approved | |
| 1252-0017 | 07/10/12 | 22 | MOS - Asbestos Pipe at north headwall | 2 | CMB-0090 | Agree to Merit Agree to Cost | 12/12/12 1/09/13 | +5,705 | Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered fryable asbestos-laden transite pipe. 12/12/12 - Merit info presented to CMB - Agreed 01/09/13 - CMB - NOT TO EXCEED Amount \$6,000 | CMOD #5 Approved | |
| 1252-0018 | 07/10/12 | 23 | MOS - Brick Wall #2 discovered @ north headwall | 2 | | Agree to Merit | 12/6/12 | +14,997 | Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered a buried wall. 11/14/12 COR presented to CMB. Evaluation for merit will be rewritten and brought back to CMB for approval. 11/21/12 - Merit info presented to CMB - Agreed | | |
| 1252-0019 | 08/10/12 | 26 | MOS - Asbestos Pipe at south headwall | 2 | CMB-0085 | Agree to Merit Agree to Cost | 12/12/12 1/09/13 | +27,630 | Transite pipe was discovered during MOS south headwall excavation. 12/12/12 - Merit info presented to CMB - Agreed 01/09/13 CMB - NOT TO EXCEED Amount \$30,000 | CMOD #15 | |
| 1252-0020 | 08/10/12 | 27 | MOS - Oil filled pipe at south headwall | 2 | CMB-0089 | Agree to Merit Agree to Cost | 12/12/12 1/09/13 | +8,226 | A pipe containing oil was discovered during MOS south headwall excavation. 12/12/12 - Merit info presented to CMB - Agreed 01/09/13 CMB - NOT TO EXCEED Amount \$8,600 | CMOD #5 Approved | |

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| | | | | | | Approval Action | Approval Date | | | | |
| 1252-0021 | 06/19/12 | 29 | MOS - Todco scaffolding reimbursement | 2 | CMB-0097 | Agree to Merit Agree to Cost | 12/12/12 1/16/13 | +1,718 | 1252 contract work requires the removal of scaffolding erected by Fine Line Construction, the contractor performing renovations on the Woolf House. 12/12/12 - Merit info presented to CMB - Agreed 01/09/13 - CMB - NOT TO EXCEED Amount \$1,717 | CMOD #3 Approved | |
| 1252-0022 | Closed | closed | 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. | | |
| 1252-0023 | 05/30/12 | 4 | 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. | | |
| 1252-0024 | Closed | closed | 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. | | |
| 1252-0025 | 04/23/12 | 5 | CDF Encasement on 42" RCP | 2 | | | | +140,596 | 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. | | |
| 1252-0026 | Closed | closed | Damage to Live LPW main at 4th and Folsom | 2 | | | | -0- | 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. | | |
| 1252-0027 | Closed | 14 | MOS - 76 Gas Station fencing | 1 | | | | | SFMTA requested BIH to install fencing around the perimeter of the 76 gas station at 4th and Folsom St. Issue closed, cost of fence paid by BIH in return for use of gas station lot. CMB - 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. | | |
| 1252-0028 | Closed | 16 | LB - SPTC delays due to concrete encased 8" sewer | 2 | | | | | Closed. Combined with COR 015. 07/25/12 - Verbal information presented to CMB as a potential change. | | |
| 1252-0029 | 08/06/12 | 18 | MOS - South Headwall re-design | 1 | | | | +145,000 | Costs related to leave end stops in place and a "T-Section" at the Moscone headwalls return walls. 11/14/12 - Presented to CMB. RE is recommending a possible compensation value of \$135K. CMB agrees with partial merit for labor and material cost of this COR. RE will proceed with scoping the work. | | |
| 1252-0030 | 08/02/12 | 24 | Ellis - Utility demolition | 3 | | Agree to Merit | 12/6/12 | +38,678 | BIH says that no utilities were shown at Ellis; however, Reference Drawing UE-126 shows utilities. 12/06/12 - Merit info presented to CMB - Agreed | | |
| 1252-0031 | Closed | 25 | Crack Gauges | 4 | | | | -0- | BIH disagrees with SFMTA 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. | | |
| 1252-0032 | 08/07/12 | 28 | Ellis asbestos abatement | 2 | | Agree to Merit | 12/6/12 | +35,386 | A steam line containing asbestos was discovered during potholing at the Ellis Street Shaft. 12/06/12 - Merit info presented to CMB - Agreed | | |
| 1252-0033 | - | 30 | LB - Class 1 Hazardous Material Haul off | 2 | | | | +198,276 | BIH trucking costs for Class 1 haul off generated at staging yard. Also see COR 054 regarding Class 1 Haz material haul off for Phase 2. | | |
| 1252-0034 | - | 70 | LB - Jet Grout Quantity Overrun | 4 | CMB-0115 | Agree to Merit Agree to Cost | 3/20/13 04/03/13 | +768,600 | The contract drawings call for the contractor to determine the extent of jet grouting at the launch box. Bid Item ES-3 has an estimated quantity of 2,831 CY of in-situ treated ground. The Contractor has currently installed 3,929 CY of Soilcrete (Jet Grout) for ground treatment. This translates to an additional quantity of 1,098 CY of ground treatment beyond the quantity listed for Bid Item ES-3. By subtracting 241 CY for the "scallop" portion of the columns the total is 857 CY. 03/20/13 - Merit info presented to CMB - Agreed 04/03/13 - CMB - NOT TO EXCEED Amount \$599,900 | | |

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| | | | | | | Approval Action | Approval Date | | | | |
| 1252-0035 | 01/00/00 | unsubmitted | 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." | | |
| 1252-0036 | 05/17/12 | 35 | 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 Bryant St. The additional layer is estimated by BIH/SPM to be approximately 8" - 12" thick. 12/06/12 - Evaluation of merit presented to CMB - Agreed to No Merit for this change. | | |
| 1252-0037 | 01/00/00 | unsubmitted | DPW permitting potential impacts | 7 | | | | TBD | DPW Permitting issue to cause potential impacts. DPW is not issuing BIH 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. | | |
| 1252-0038 | 05/30/12 | 38 | Manhole in West Guidewall Footprint | 3 | CMB-0101 | Agree to Merit Agree to Cost | 12/05/12 1/23/13 | +3,821 | While performing excavation for the west side guidewalls at the TBM Launch Box, BIH's subcontractor CJA-NCC unexpectedly encountered a manhole foundation 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. 12/05/12 - CMB agreed with Evaluation of Merit 01/23/13 - CMB - NOT TO EXCEED Amount \$4,052.17 | CMOD #12 Approved | |
| 1252-0039 | 01/00/00 | unsubmitted | 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. | | |
| 1252-0040 | 08/23/12 | | PCC No.1 - Revisions to Moscone North Headwall Elevation (Top) | 1 | CMB-0099 | Agree to Cost | 1/16/2013 | +20,358 | SFMTA initiated change to revise headwall elevations to facilitate a change in the roof elevation of MOS station. 01/16/13 CMB - NOT TO EXCEED Amount \$20,500 | CMOD #7 Approved | |
| 1252-0041 | 08/23/12 | | PCC No. 2 - Revisions to UMS Headwall Concrete and Reinforcement Limits | 1 | | | | -0- | SFMTA initiated change to revise UMS headwall concrete and reinforcement limits to provide a cost savings. 08/29/12 - Revised PCC presented to CMB | | |
| 1252-0042 | 08/24/12 | 31 | Retrieval Shaft - Unmarked 12" Steel Pipe | 2 | CMB-0108 | Agree to Merit Agree to Cost | 1/2/2013 2/27/13 | +1,200 | 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. 01/02/13 - Merit info presented to CMB - Agreed 2/27/13 - Cost presented to CMB - agreed to NTE \$1,250 04/01/13 - CM team must obtain in writing from Utility a agreement to cost reimbursement. | CMOD #13 | |
| 1252-0043 | 08/31/12 | 32 | LB - Panel W29 Wood Pile | 2 | | Agree to Merit | 11/28/12 | +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. 11/28/12 - Merit info presented to CMB - Agreed | | |
| 1252-0044 | 09/04/12 | 33 | Ret Shaft - 20" Water Line Conflict | 2 | | Agree to Merit | 11/14/12 | -0- | 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. 11/14/12 - Presented to CMB, the CMB agrees with some merit of this COR, element of change not define clearly. RE will proceed with scoping the work. | | |
| 1252-0045 | 09/11/12 | 34 | LB - Panel W28 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-28. | | |
| 1252-0046 | 01/00/00 | 36 | MOS - Catch Basin @ south headwall | 3 | | | | -0- | 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. BIH claims the catch basin was not shown in the contract drawings. Closed due to improper notification. | | |
| 1252-0047 | 01/00/00 | 37 | 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. BIH claims the steel pipe was not shown in the contract drawings. Closed due to improper notification. | | |

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| | | | | | | Approval Action | Approval Date | | | | |
| 1252-0048 | 09/07/12 | 39 | MOS - 16" Steel Pipe removal @ northeast headwall | 3 | CMB-0102 | Agree to Cost | 1/23/13 | +2,952 | SPM removed 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. BIH claims the 16" steel pipe was not shown in the contract drawings. 01/23/13 - CMB - NOT TO EXCEED Amount \$2,951.99 04/01/13 - CM team must obtain in writing from Utility a agreement to cost reimbursement. | CMOD #14 | (2,952) |
| 1252-0049 | 01/00/00 | 40 | MOS - Extra Road Base @ northeast headwall | 2 | | | | -0- | 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'. Closed due to improper notification. | | |
| 1252-0050 | 05/18/12 | 41 | LB - Impacts due to live PG&E electrical lines (Synergy) | 6 | CMB-0098 | Agree to Merit Agree to Cost | 1/16/13 | +1,217 | 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. 01/13/13 - CMB agreed with Evaluation of Merit 01/16/13 -CMB - NOT TO EXCEED Amount \$1,245 04/01/13 - CM team must obtain in writing from Utility a agreement to cost reimbursement. | CMOD #10 Approved | (\$1,217) |
| 1252-0051 | 01/00/00 | executed | Contract Amendment No. 2 | 1 | | | | (3,040,713) | 0 | CMOD #2 Approved | |
| 1252-0052 | 08/17/12 | 42 | LB - Panel W25 Wood Pile | 2 | | Agree to Merit | 11/28/12 | +116,785 | While performing excavation for the slurry walls at the TBM Launch Box, BIH's subcontractor CJA-NCC unexpectedly encountered an obstruction within Launch Box Diaphragm Wall Panel W-25. 11/28/12 - Evaluation of merit presentend - CMB agreed | | |
| 1252-0053 | 08/22/12 | 43 | LB - Panel W30 Wood Pile | 2 | | Agree to Merit | 11/28/12 | +47,185 | While performing excavation for the slurry walls at the TBM Launch Box, BIH's subcontractor CJA-NCC unexpectedly encountered an obstruction within Launch Box Diaphragm Wall Panel W-30. 11/28/12 - CMB agreed with Evaluation of Merit | | |
| 1252-0054 | 09/19/12 | 44 | MOS - 16" steel pipe removal @ southeast headwall | 3 | CMB-0109 | Agree to Merit Agree to Cost | 12/06/12 2/27/13 | +1,600 | SPM removed 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. BIH claims the 16" steel pipe was not shown in the contract drawings. 12/06/12 - CMB agreed with Evaluation of Merit 02/27/13 - Cost presented to CMB - agreed to NTE \$1,800 04/01/13 - CM team must obtain in writing from Utility a agreement to cost reimbursement. | CMOD #14 | (1,600) |
| 1252-0055 | 06/09/12 | 45 | Ret Shaft - Credit for reduced AT&T conduits | 6 | | | | +331 | Credit to install 2 less conduits in the AT&T infrastructure at the Retrieval Shaft Joint Trench. The conduit notes on page JT-701 of the contract documents require 8 EA 4" conduits as laid out on the AT&T line. The reduced materials would result in 6 EA 4" conduits as a result. | | (331) |
| 1252-0056 | 09/25/12 | 46 | UMS - Unmarked steel pipes (6", 12", 14") / Duct Bank | 6 | CMB-0103 | Agree to Merit Agree to Cost | 12/06/12 1/23/2013 | +7,475 | While performing excavation for the utility demolition at the south UMS headwall BIH/Synergy discovered a 6" dia. steel pipe, 16" dia. steel pipe, 18" dia. steel pipe, and a concrete duct bank. BIH claims the utilities were not shown in the contract drawings. 12/206/12 - CMB agreed with Evaluation of Merit 01/23/13 - CMB - NOT TO EXCEED Amount \$7,461 04/01/13 - CM team must obtain in writing from Utility agreement to cost reimbursement. | | (7,475) |
| 1252-0057 | 09/25/12 | 47 | Ret Shaft - unmarked 10" steel pipe/duct bank | 6 | CMB-0104 | Agree to Merit Agree to Cost | 12/06/12 1/23/13 | +2,108 | Synergy Project Management (SPM), discovered an abandoned duct bank and 10" steel pipe which traveled underneath Columbus Avenue between Powell and Union Streets. Removal of the duct bank was necessary to complete the construction of the 36" RCP sewer main relocation work in this area. The status of the removal of the steel pipe is uncertain and may have not been necessary for the sewer main relocation. 12/06/12 - CMB agreed with Evaluation of Merit 01/23/13 - CMB Not to Exceed \$2,201 04/01/13 - CM team must obtain in writing from Utility a agreement to cost reimbursement. | CMOD #13 | (2,108) |
| 1252-0058 | 09/28/12 | 48 | UMS - 3'x5' brick sewer at south headwall | 6 | CMB-0114 | Agree to Merit Agree to Cost | 12/06/12 03/13/13 | +12,475 | Synergy Project Management (SPM), discovered a brick sewer within the utility demolition limits at the UMS South headwall. The sewer encountered was larger than the 12" pipe which was shown in the contract drawings. Removal and disposal of the sewer commenced on September 26th and was completed by September 28th. Removal of the sewer was necessary for headwall construction. 12/06/12 - CMB agreed with Evaluation of Merit 03/13/13 - CMB - NOT TO EXCEED Amount \$1,2474.65 | | |
| 1252-0059 | 01/00/00 | 49 | Ret Shaft - Tree trimming debris haul off | 7 | | | | -0- | Synergy Project Management (SPM), was requested by the SFMTA to remove and dispose of debris near the Northeast corner of Columbus Avenue and Union Street. The debris resulted from tree trimming activities performed by MUNI operations. CLOSED; NO FURTHER ACTION. | | |

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| | | | | | | Approval Action | Approval Date | | | | |
| 1252-0060 | 10/10/12 | 50 | Ret Shaft - 12" steel pipe removal at Union/Columbus | 6 | CMB-0110 | Agree to Merit Agree to Cost | 12/12/12 02/27/13 | +2,200 | On October 4th 2012, the Contractor discovered and removed a 12" Steel pipe at the intersection of Union Street and Columbus Avenue. Removal and disposal of the steel pipe was necessary in order to complete the proposed sewer re-location work near the Retrieval Shaft. Sewer work included the construction of a manhole which had been positioned in the field to avoid an existing MUNI duct bank. 12/12/12 - CMB agreed with Evaluation of Merit 02/27/13 - Cost presented to CMB - Agreed to NTE \$2,600 04/01/13 - CM team must obtain in writing from Utility a agreement to cost reimbursement. | CMOD #13 | (2,200) |
| 1252-0061 | 10/11/12 | 51 | Ret Shaft - Elevation design conflict (30" low psi water / sewer) | 3 | | Agree to Merit | 3/13/13 | +26,000 | 03/13/13 - Merit info presented to CMB - Agreed | | |
| 1252-0062 | 09/07/12 | 53 | Chinatown - Night drilling for instrumentation | 7 | | | | -0- | Closed. | | |
| 1252-0063 | - | 54 | LB Class 2 Hazardous Material Haul Off (Phase 2) | 2 | | | | +110,967 | BIH trucking costs for Class 1 haul off generated at staging yard. Also see COR 030 regarding Class 1 Haz material haul off for Phase 1. | | |
| 1252-0064 | 10/10/12 | | PCC No. 4 - Ret shaft sewer pipe material change | 1 | | | | -0- | Change approximately 65 ft. of pipe for sewer bypass around the TBM Retrieval Shaft from 3' X 5' oval glass fiber reinforced pipe to a 48-inch (OD) HDPE SD-17 pipe with casing insulator placed inside a 54-inch diameter, ½-inch thick steel casing pipe. In addition, delete permanent sheet pile wall that was to have been placed along the west side of the trench to facilitate future maintenance access to the sewer along the shaft. | | |
| 1252-0065 | 12/18/12 | 57 | PCC No. 8 - UMS - Tree Removal | 1 | | | | -0- | SFMTA is directing removal of a tree at the northeast corner of Stockton and O'Farrell St. CLOSED; NO FURTHER ACTION. | | |
| 1252-0066 | 10/10/12 | | PCC No. 5 - Ret Shaft Water Dist. Pipe Material Change | 1 | | | | -0- | Change material type of approximately 188 linear feet of 20-inch water line and approximately 125 linear feet of 30-inch water line from Welded Steel Pipe (WSP) to Ductile Iron Pipe (DIP) with TR-Flex joints. Install 6-inch thick concrete cap over 20-inch water line where cover is less than 24 inches. | | |
| 1252-0067 | 10/26/12 | 58 | Ret Shaft - Additional 10" steel pipe removal | 6 | CMB-0111 | Agree to Merit Agree to Cost | 12/12/12 02/27/13 | +700 | Work is a continuation of work performed in COR 047. 12/12/12 - CMB agreed with Evaluation of Merit 02/27/13 - Cost presented to CMB - Agreed to NTE \$860.85 04/01/13 - CM team must obtain in writing from Utility a agreement to cost reimbursement. | CMOD #13 | (700) |
| 1252-0068 | 10/10/12 | | PCC No. 3 - General Detour Signage | 1 | CMB-0113 | Agree to Cost | 02/27/13 | +6,153 | Full closure of Stockton Street at Union Square was not anticipated under the 1252 Contract. The implementation of detour signage associated with the full closure of Stockton Street was to occur under the 1300 Contract. After the award of the 1252 Contract it was decided that a full closure of Stockton could be implemented to help reduce the headwall construction durations. As a result of the full closure the City Traffic Engineer has requested that a portion of the 1300 detour signs be installed now under the 1252 Contract to help alleviate traffic congestion and provide better detour signage around Union Square. 10/03/12 - PCC presented to CMB. CMB directed the RE to get a price quote from DPT do the work as a price comparison. This item will be brought back to the CMB at a later date. 11/14/12 - PCC presented to CMB. The CMB did not agree that Central Subway needed to take the lead on implementing detour signage, but suggested that the RE study the traffic activity and at the end of November report findings. 02/27/13 - Cost presented to CMB - Agreed to NTE \$6,152.60 | | |
| 1252-0069 | 11/08/12 | | PCC No. 6 - Supplemental instrumentation of BART tunnel lining. | 1 | | | | +657,884 | Implement additional instrumentation of BART tunnel lining: (A) Existing bolt preload force – Determine the actual load in 12 bolts. (B) Bolt force sensor – Install 12 bolt force sensors at bolts for a total of 24 bolts. (C) Rail movement under dynamic train loading – Install dynamic strain gauges (2 per rail, 8 per tunnel). 10/31/12 - PCC presented to CMB for merit. CMB directed RE to proceed with obtaining a price quote from Contractor to perform the work. | | |
| 1252-0070 | 01/00/00 | unsubmitted | Full Closure of 4th Street | 1 | | | | TBD | SFMTA allowed full closure of 4th Street in order to facilitate construction of Launch Box Slurry Wall Construction Week Ending 11/04/12 - 11/11/12. | | |
| 1252-0071 | 11/07/12 | 61 | LB - Panel P-17 Buried Obstruction | 2 | | Agree to Merit | 1/2/13 | +1,473 | CJA-NCC discovered an unmarked buried water main at Panel P-17, approximately 6' below the guidewall at CTL Station 165+52, while performing slurry diaphragm wall excavation. 01/02/13 - CMB agreed with Evaluation of Merit. | | |
| 1252-0072 | 11/14/12 | 62 | LB – Panel P-9 Buried Obstruction | 2 | | Agree to Merit | 1/23/13 | +150,000 | CJA-NCC discovered a buried obstruction while excavating slurry diaphragm wall panel P-9 at the Launch Box location. 01/02/13 - Presented to CMB for merit, CMB did not agree. CMB suggested inspector's daily tags as backup or reference the tag numbers in the write-up when force account work is involved. 01/23/13 - Revised write up presented CMB agreed with Evaluation of Merit. | | |

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| 1252-0074 | 11/16/12 | 65 | LB – Panel P-12 Buried Obstruction | 2 | | Agree to Merit | 1/23/13 | +150,000 | CJA-NCC discovered a buried obstruction (water main) while excavating slurry diaphragm wall panel P-12 at the Launch Box location. 01/02/13 - Presented to CMB for merit, CMB did not agree. CMB suggested inspector's daily tags as backup or reference the tag numbers in the write-up when force account work is involved. 01/23/13 - Revised write up presented; CMB agreed with Evaluation of Merit. | | |
| 1252-0075 | 11/19/12 | 66 | Retrieval Shaft - Unmarked 12" Steel Pipe | 2 | CMB-0112 | Agree to Merit Agree to Cost | 1/23/2013 02/27/13 | +3,700 | 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 be a Low Pressure Water Main. 01/23/13 - Merit info presented to CMB - Agreed 2/27/13 - Cost presented to CMB - Agreed to NTE \$3,800 04/01/13 - CM team must obtain in writing from Utility a agreement to cost reimbursement. | CMOD #13 | (3,700) |
| 1252-0076 | 11/19/12 | 67 | LB - Panel P-10 Buried Obstruction | 2 | | Agree to Merit | 1/23/13 | +18,000 | CJA-NCC discovered a buried obstruction or concrete encased clay sewer pipe, approximately 7' below the top of the guide wall while excavating slurry diaphragm wall panel P-10 at the Launch Box location. 01/02/13 - Presented to CMB for merit, CMB did not agree. CMB suggested inspector's daily tags as backup be attached or reference the tag numbers in the write-up when force account work is involved. 01/23/13 - Merit info presented to CMB - Agreed | | |
| 1252-0077 | 12/21/12 | | PCC No. 7 - Bart Temporary Annex Wall | 1 | CMB-0106 | Agree to Cost | 1/30/13 | +15,500 | SFMTA is requesting Contractor construct temporary wall for Bart Annex for SFMTA use. 01/30/13 - CMB - NOT TO EXCEED Amount \$15,380 | CMOD #11 Approved | |
| 1252-0078 | 12/28/12 | | PCC No. 9 - UMS Headwall - Unknown Buried Pipe | 1 | CMB-0100 | Agree to Merit Agree to Cost | 1/16/13 1/16/13 | +42,000 | Related to COR 063. SFMTA instructed BIH to perform investigation into the 48" diameter steel pipe as it is a Differing Site Condition. 01/30/13 01/16/13 - CMB - NOT TO EXCEED Amount \$75,000 | CMOD #4 Approved | (42,000) |
| 1252-0079 | 01/09/13 | | PCC No. 10 - Relocation of TBM Retrieval Shaft | 1 | | | | | Modify Bid Item ST-4 Construction of Base Bid Permanent Retrieval Shaft to relocate the TBM retrieval Shaft to 1731-1741 Powell Street - 01/09/13 - Draft PCC10 presented to CMB for Contractor Design Activity to be paid on Force Account. NTE value \$20K presented to CMB as a draft copy, final copy distributed to the Contractor increased to \$50K. 02/20/13 - COST IS NOT REFLECTED HERE - SCOPE IS FUNDED BY OTHER CPT 690 \$\$\$\$ 03/06/13 - Cost proposal received from BIH. SFMTA will develop a detail estimate of what is believed to be the scope of work. 03/13/13 - PCC 10 presented for CMB change approval of \$50K NTE amount to perform design activities. CMB requested CM team return with a more detailed estimate, Contractor's cost proposal, of the bulleted items as listed on the PCC and backup documentation as evidence of work completed by the Contractor. | | |
| 1252-0080 | 12/19/12 | 0 | Segment Measuring Frequency | 7 | | | | (1,300,000) | RFI 203.1 - In light of gauging frequency, and the difficulties of erecting a ring with cast in gaskets, BIH JV alternately proposes to assemble a ring on the Master ring at an interval of every 500th ring cast. The assembled ring would be comprised of randomly selected segments, or segments chosen by the Engineer. | | |
| 1252-0081 | 09/09/12 | 0 | F21 and Old Navy Instrumentation Proposal | 7 | | | | -0- | Wang Technology is proposing instrumentation changes to the Liquid Level Sensors and Tilt Beams in the basements of Old Navy and Forever 21. | | |
| 1252-0082 | 01/14/13 | 68 | UMS – AT&T Vault Walkway @ N Headwall | 2 | | Agree to Merit | 1/16/13 | +2,000 | SPM discovered an walkway at the UMS north headwall. This walkway is located at the UMS north headwall and connects the south AT&T vault, located within the utility demolition limits, to an north AT&T, located outside of the utility demolition limits. SPM proposes to construct 3'x5' wall to the extents necessary, inside this walkway. The wall will be constructed of plywood and necessary reinforcement in order to create a bulkhead that will isolate the walkway and north vault from the south vault. 01/16/13 - CMB recommendation Contractor/Sub-contractor proceed on Force Account with a "Not to Exceed Amount" \$2K. | | |
| 1252-0084 | 01/24/13 | | PCC No. 11 - UMS – Cap and Remove 48" Steel pipe | 1 | CMB-0105 | Agree to Cost | 1/23/13 | +150,000 | BIH/Synergy encountered a buried 48" Diameter steel pipe during work at the UMS S. Headwall. The pipe is located 6 feet from the south UMS headwall and 5 feet from the face of the curb. This PCC is to complete removal of pipe @ S. Headwall and Investigate and remove pipe if necessary @ the North headwall. 01/30/13 - CMB - NOT TO EXCEED Amount \$150,000 | CMOD #9 Approved | (150,000) |
| 1252-0085 | 01/24/13 | 71 | LB – Ramp Excavation Obstructions | 2 | | Agree to Merit | 4/3/13 | +10,000 | BIHJV encountered numerous groups of wood piles while performing excavation of the Launch Box ramp. The wood piles are approximately 16"+ in diameter and are located along the north and south perimeter walls of the Launch Box ramp excavation area. 01/30/13 - CMB did not agree with merit of change suggestion the RE negotiate w/Contractor for another concession. 04/03/13 - COR merit evaluation presented to CMB again due to a greater number of obstruction encountered. CMB - Agreed to Partial Merit | | |

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| 1252-0086 | 02/08/13 | 72 | Ellis Shaft Jet Grout Obstruction | 2 | | | | +54,000 | On February 6th, 2013, CJA/NCC was drilling column R3 of the Ellis Shaft and reported hitting an obstruction 52ft below existing grade. The obstruction reportedly caused the jet grout monitor to shear off. At this time it is not known what the obstruction is or if it caused the monitor to be sheared off. | | |
| 1252-0087 | 02/14/13 | 73 | MOS - Unknown 16" Pipe removal @ northwest headwall | 2 | | Agree to Merit | 3/13/13 | +3,000 | BIH-JV's subcontractor, Synergy, encountered an abandoned 16" pipe while installing the 12" waterline at the north headwall of Moscone. The pipe was at the same elevation as the new 12" waterline and therefore needed to be removed to facilitate the installation of the new 12" waterline. 03/13/13 - Merit info presented to CMB - Agreed 04/01/13 - CM team must obtain in writing from Utility a agreement to cost reimbursement. | | (3,000) |
| 1252-0088 | NA | 74 | Whole Foods - Unknown brick obstruction in Comp Grout Trench | 0 | | | | -0- | BIH has decided not to submit a COR as production was not significantly impacted. | | |
| 1252-0089 | 03/11/13 | 75 | Hazardous Waste Disposal Denial - Spoils Containment Cost Impacts | 7 | | | | +1,100,000 | BIH submitted change order request (COR) 030 seeking reimbursement for the demonstrated additional costs of excavating, handling and disposing of excavated material found to contain hazardous material to a permitted landfill over that which can be disposed of at an unregulated dump site. The SFMTA refused reimbursement for such costs under the hazardous waste bid item allowance. As a result of this determination, BIH is modifying its approach to the construction and handling operations of tunnel spoils generated during tunneling operations. | | |
| 1252-0090 | 03/08/13 | 76 | MOS - 16" Pipe removal @ SW Headwall | 2 | | Agree to Merit | 3/20/13 | +2,000 | BIH-JV's subcontractor, Synergy, encountered an abandoned 16" pipe while installing the 12" waterline at the south headwall of Moscone. The pipe was at the same elevation as the new 12" waterline and therefore needed to be removed to facilitate the installation of the new 12" waterline. 03/20/13 - Merit info presented to CMB - Agreed 04/01/13 - CM team must obtain in writing from Utility a agreement to cost reimbursement. | | |
| 1252-0091 | 03/06/13 | 77 | Comp Grout - WFB-5 Drilling Obstruction | 2 | | Agree to Merit | 4/3/13 | +10,000 | On March 06,2013, BIHJV encountered a potential Differing Site Condition (DSC) while drilling the compensation grouting hole WFB-5 located at Whole Foods and more precisely at CTL Station 160+38. This potential DSC consists of an obstruction located at a depth of 9' below grade which prevented CJA-NCC from drilling any further. 04/03/13 - Merit info presented to CMB - Agreed | | |
| 1252-0092 | 03/07/13 | 78 | Comp Grout - WF & ATT | 2 | | | 3/20/13 | +20,000 | BIHJV encountered multiple potential Differing Site Conditions (DSC's) of varying dimensions while excavating the compensation grouting trench for the drill holes located at Whole Foods and AT&T. 03/20/13 - Merit info presented to CMB - Agreed to No Merit for this change. | | |
| 1252-0093 | 03/07/13 | 79 | Comp Grout - Old Navy | 2 | | Agree to Merit | 3/20/13 | +45,000 | BIHJV encountered a potential Differing Site Condition (DSC) while sawcutting the pavement for the compensation grouting holes located at Old Navy. The original design was to drill the compensation grout holes between two existing PG&E lines. It was discovered in the field that there is not enough clearance between the existing PG&E lines for the original design to be possible and multiple other potential DSCs were also encountered including, but not limited to, tile duct banks, concrete of unknown contents, and steel pipes. 03/20/13 - Merit info presented to CMB - Agreed 04/01/13 - CM team must obtain in writing from Utility a agreement to cost reimbursement. | | (45,000) |
| 1252-0094 | 03/12/13 | 80 | MOS – Asbestos Wrapped 20" water line @ Headwalls | 2 | | Agree to Merit | 4/3/13 | +43,000 | BIHJV's subcontractor, Synergy Project Management was performing the installation of low pressure water distribution piping at the Moscone north headwall and discovered an unknown material wrapping around the existing 20" waterline which appeared to contain asbestos material. 04/03/13 - Merit info presented to CMB - Agreed | | |
| 1252-0095 | 03/11/13 | 81 | 12" Waterline Tee Connection Location (MOS South) | 2 | | Agree to Merit | 4/3/13 | +5,000 | BIHJV's subcontractor, Synergy Project Management, encountered a potential Differing Site Condition (DSC) upon exposing the tie-in point for the 12" waterline at the south headwall of Moscone. The potential DSC consists of two 45 degree elbows in the existing 12" waterline at the point of the tee connection. SFWD has surveyed the field conditions and indicated that the tee connection will need to be moved to the west. 04/03/13 - Merit info presented to CMB - Agreed | | |
| 1252-0096 | 03/13/13 | 82 | MOS 20" Conflict with 16" AWSS @ South Headwall | 2 | | | | +50,000 | Upon exposing the existing 20" waterline at the south headwall of MOS, in preparation for installing the new 20" waterline shown on WD-403 and amended by RFI 0155, BIHJV's subcontractor Synergy Project Management encountered a potential DSC. The potential DSC consisted of a crossing conflict between the new 16" AWSS, the new 20" waterline, and the existing 6" PE gas. These three utilities cross at multiple locations however the existing depths are roughly the same. | | |
| 1252-0097 | 03/19/13 | 83 | Ellis Shaft Concrete Obstruction | 2 | | | | +4,000 | During excavation for the Ellis Street Shaft, BIHJV's subcontractor, CJA-NCC, encountered a concrete obstruction at approximately 10 feet below grade. CJA-NCC spent 4 hours removing the obstruction. | | |
| 1252-0098 | 03/16/13 | 84 | Crate & Barrel Water Intrusion | 2 | | | | +50,000 | Water was discovered seeping into the Crate & Barrel basement in concert with secant pile installation at Pile #SRV-A. At the time, pile excavation was approximately 90 feet deep. BIHJV's subcontractor, CJA-NCC, stopped pile installation and placed lean concrete within the pile excavation. This allowed them to continue secant pile construction on other piles until which time SFMTA could provide appropriate mitigation for the water leak. | | |

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| | | | | | | Approval Action | Approval Date | | | | |
| 1252-0099 | 04/05/13 | PCC 12 | PCC No. 12 - Modifications to Tunnel Alignment at Market Street | 1 | | | 4/3/13 | TBD | IFB Tunnel Profile conflicts with micro-piles installed under Contract 1251. Tunnel Profile needs to be revised (lowered) such that TBM and Tunnel structure is below previously installed micro-piles. Contractor shall revise compensation grouting design to conform to Contract requirements given the revised tunnel alignment. 04/03/13 - CMB agreed to Micropile profile change being forwarded to the Contractor. | | |
| 1252-0100 | 03/26/13 | 85 | SFWD Impacts at MOS North | 2 | | | | +345,600 | BIHJV's subcontractor CJA-NCC is in the process of constructing the Moscone Station headwalls, the sequence of construction is such that it requires the 12" and 20" waterlines on the eastside of 4th street to be rerouted prior to completing the headwalls. In accordance with the Contract the San Francisco Water Department (SFWD) is responsible for completing the waterline reroutes (chlorination and tie-in) in a specified duration. However the SFWD failed to complete this work in the contractual durations. As a result, BIHJV claims the headwall construction operation has been incurring stand by costs. 04/10/13 - Viewed at CMB during review of Trend/Change Log COR's. CM team contends the is not a valid change and will reject the Contractor's claim of merit. | | |
| Contract 1252 Totals | | | | | | | | +1,167,953 | Total Changes and Potential Change (trends) to the contract are currently \$1,167,953 Out of Scope Changes to the Contract for Relocation of TBM (Trend 79, PCC 10) to be paid out of CPT690, funded separately. Not include in total above and being tracked separately from original Program Costs of \$1.5783B | | (283,214) |
| CONSTRUCTION TRENDS (Based on #1252 Trending Log and CMod) - SUBTOTALS: | | | | | | | | +1,167,953 | The \$1,167,290 represents an UNDERRUN of allocated contingency. Current Balance = (33,658,463 - 1,167,953 = \$32,490,510 This does not include potential reimbursements from utilities | | (283,214) |
| DESIGN TRENDS | | | | | | | | | | | |
| FD-001 | 07/31/10 | 084-0001 | Narrowing of Platform at UMS | 1 | CMB-0006 | Agree | 08/04/10 | (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) | 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 "place-holders.". [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) | 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 "place-holders.". [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) | 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 "place-holders.". [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 | 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) | [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) | Documentation to be filed. | | |
| FD-006 | 08/03/10 | 084-0005 | Station Headwalls - UMS | 1 | CMB-0008 | Agree | 08/18/10 | -0- | | | |
| FD-006 | 08/03/10 | 086-0002 | Station Headwalls - MOS | 1 | CMB-0008 | Agree | 08/18/10 | -0- | | | |
| FD-007 | 08/03/10 | | Cross-passages | 1 | CMB-0018 | Agree | 09/15/10 | -0- | | | |

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| FD-008 | 07/30/10 | | Trolley Re-route @ Columbus & Powell | 1 | CMB-0017 | Agree | 09/15/10 | +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 | +1,000,000 | | | |
| 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) | 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. | | |

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| 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. | | |
| 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 | | |
| 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 | | |
| 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. 08/29/12: CMB agreement condition upon follow up action to evaluate procurement by CN1260 | | |
| FD-038 | 11/07/12 | | Elongated Sidewalk Bulb-out at Chinatown Station | | | | | TBD | CTS Sidewalk Bulb out (Southwest corner Stockton/Washington To bring the Central Subway Project - Chinatown Station in closer conformance with the City's General Plan, SF Planning Department in its May, 2012 GPR Letter (recommends) making design changes specifically the extension of the sidewalk bulb-out at Stockton Street to help create a "station plaza". This elongated bulbout on the southwest corner (SWC) of Stockton and Washington Streets in front of the station headhouse would also include bike racks, benches, trees and other landscape features. Design Impact: ROM - \$TBD Construction Impact: ROM - \$TBD | | |
| FINAL DESIGN TRENDS (Based on All ECPs) - SUBTOTALS | | | | | | | | | Incorporated budget increases have been absorbed by allocated and unallocated funds and the program budget to date remains \$1,578,300,000. | | -0- |
| 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 | | | | (7,697,949) | 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 | | |

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CENTRAL SUBWAY PROJECT
Project Trend/Change Control Log

| Item # | Date Initiated | | Change Description | Change Type | CMB No. | Change Status | | Projected Cost Impact +Exposure/(Benefit) | Comments | Contract Modification Number | Utility Reimbursements |
|---------|--------------------------|----------|--|----------------|----------|-----------------|---------------|--|--|------------------------------|------------------------|
| | | | | | | Approval Action | Approval Date | | | | |
| 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 | | | | |
| 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 | |
| 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 | |
| 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 | |

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CENTRAL SUBWAY PROJECT
Project Trend/Change Control Log

| Item # | Date Initiated | Change Description | Change Type | CMB No. | Change Status | | Projected Cost Impact +Exposure/(Benefit) | Comments | Contract Modification Number | Utility Reimbursements | |
|--|---|--------------------|--|----------------|-----------------|---------------|--|------------|---|------------------------|------------------|
| | | | | | Approval Action | Approval Date | | | | | |
| 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 | 1 | | | | +133,906 | Amend #2: Vibration Impact Analysis \$38,380 Amend #3: PC Support Tech \$34,483; Quality Manager - \$61,043 | TBD | |
| X80-014 | 12/17/12 | | For combining the stations and track and systems into Contract 1300 (SSTS) | 7 | | | | | Combined all the Station ad Track and Systems into one Contract. Removed the buffer float activities from the satin to track and systems and overlapped work that can now be done concurrent. | | |
| X80-015 | 12/17/12 | | Changing the Bid Opening date and condensing the Contract Duration for Contract 1300 | 7 | | Agree | 11/14/12 | | Change bid opening to March 19, 2013 and reevaluated procurement durations, revised calendars for UMS Gargage, revised productin rates for steel. 11/14/13 CMB Agreed verbally to change @ Mtg #101 | | |
| X80-016 | 02/19/13 | | Change to Tunnel and CTS interface and buffer float Contract 1300 (SSTS) | 7 | | Agree | 01/23/13 | | Change (MPS) reducing the number of days currently in (from 550 calendar days from NTP to 450 calendar days) for the key interface between CTS and the tunnel completion. Reduced number of days will be issued as part of Add #3 of the 1300 contract. 1/23/13 CMB Agreed verbally to change @ Mtg #111. | | |
| OTHER TRENDS (Based on Various Trends) | | | | | | | | | Current Forecast reflects a net +3,537,933 unfavorable impact for all Other Trends. | | -0- |
| GRAND TOTALS | | | | | | | | | 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. | | (283,214) |
| 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- | To be addressed in Amendment 1. | Amendment 1 Pending | -0- |
| 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 | |

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CENTRAL SUBWAY PROJECT
Project Trend/Change Control Log

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|--------------------------------|----------------|----------|---|-------------|---------|-------------------------------|---------------|--|---|--|------------------------|
| | | | | | | Approval Action | Approval Date | | | | |
| 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 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 | | |
| 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 | | | | | | | | +986,882 | 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. | | -0- |
| Contract CS-155-2 | | | | | | | | | | | |
| 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 | | |

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| | | | | | Approval Action | Approval Date | | | | |
| 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 | | | | | | | +1,896,708 | 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. | | -0- |
| 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 | |
| 1553-0004 | 08/09/11 | 073-0004 | Authorization to commence optional tasks 12.12E traction power cables for CAD production | 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 | Proposal to hire Wilson Ihrig to support Acoustics, Noise and Vibration tasks. | 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 | Proposal to exercise optional task 12.07 Public Art. | 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 | Proposal to exercise optional sub-task 12.12 structural design of the OCS attachments. | 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 | Scope Clarification - Add Emergency and Location Signage. | 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 | Proposal to exercise mechanical optional task A 12.11 to design a water line on the FBS station platform. | 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 | Proposal to exercise Task 12.01 Surface Segment site Drainage | 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 | Proposal to exercise Task 12.02 Sewer Relocation and Analysis Report. | 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 | CTS - Alternate 5 | 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 | Proposal for Geotechnical Services | 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 | Authorization to commence optional tasks 12.12E traction power cables for CAD production, Optional task 2.50 Coordination with Art | | 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 | Proposal for additional services in Response to Approved (ECP) FD-034 Operation Performance and Safety Enhancements to 4th and King and 6th and King. | 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 | Option | |
| 1553-0016 | 03/23/12 | 073-0016 | Proposal for additional work - Tunnel Air Replenishment System (Exercise Optional Service) | 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 | |
| 1553-0017 | 05/14/12 | 073-0017 | Extension of PC Support Technician | 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 | Extension of CSP Quality Manager | 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 | Authorization to commence optional task 12.02 Utility Plans for design of repositioned and reconstructed manholes for the 78 inch diameter sewer on 4th St. | 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 | |

- 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. | Change Status | | Projected Cost Impact +Exposure/(Benefit) | Comments | Contract Modification Number | Utility Reimbursements |
|--------------------------------|----------------|----------|---|-------------|---------|-----------------|---------------|--|--|------------------------------|------------------------|
| | | | | | | Approval Action | Approval Date | | | | |
| 1553-0020 | 04/09/12 | 073-0020 | Authorization to commence optional task 12.12 civil and structural support for traction power duct banks | 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 | Authorization to commence optional task 12.11 design of the tunnel based Air Replenishment System including fill panels, feeder pipes, gauges, valves, fire proofing, anchors, supports, low level alarms, wiring, signage, connections to SCADA and monitoring devices, equipment placement, and impact protection | 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 | Increased authorization for optional task 12.12.e CAD production support | 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 | |
| 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 | | | | | | | | +2,046,831 | 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. | | -0- |

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