

## CMB Meeting Minutes #160

DATE: March 6, 2014

MEETING DATE: February 26, 2014

LOCATION: 821 Howard St, Main Conference Room

TIME: 3:00 PM

ATTENDEES: J Funghi (JF), A. Hoe (AH), R. Redmond, (RR), R. Nguyen (RN), B. Kelleher (BK), M. Benson (MB), E. Stassevitch (ES), M. Latch (ML), M. Vilcheck,(MV), T. DePooter (TDP), L. Zurinaga (LZ), B. Ward (BW), J. Park (JP), W. Lee (WL), A. Clifford, (AC), B. Lebovitz (BL)

COPIES TO: Attendees: S. Farhangi (SF), M. Henry (MH), K. Shah (KS), J. Xia (JX), M. Acosta (MA), J. Wang (JW), V. Chow (VC), S. Jefferis (SJ), S. Tisell (ST), S. Espinal (SE), R. Hansen (RH), D. Kuehn (DK) File No. M544.1.5.0890

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

SUBJECT: Configuration Management Board Meeting # 160– Rev. No. 0

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

ITEM #	DISCUSSION	ACTION BY DUE DATE
3-02/12/14	<p>T. DePooter - Contract 1300 Chinatown Station Provided an update to the tracking document (spreadsheet) for additional work related to Utility relocations. Items highlighted in yellow indicate a status update to the line item; items highlighted in green have been addressed. The CMB reiterated the need to properly document with letters, Force account tracking, and confirmation from utility owners for additional work. 02/19 An update on two items in the CTS Utilities DSC tracking document was provided: line item #31 - PG&amp;E Changes at Emergency Escape stairway on Stockton St. - PG&amp;E has requested that quotes be obtained for new PG&amp;E vault 732 and associated conduits that will be installed to vaults 731 &amp; 730. Item #3 - PG&amp;E Gas Main Parallel to AWSS. PG&amp;E has requested quote be obtained from the Contractor to proceed with the work. The CMB agreed that a PCC for both items should be forwarded to the Contractor for pricing. The CMB recommended PG&amp;E be notified that the quotes for work could be greater than published unit rate. (see attach). Status: 02/26 PCC 011 - PG&amp;E Gas Main Parallel to AWSS was presented for review. <i>The Board noted "summary of changes" included contract work and item must be re-written clarifying the change work being requested. The PCC will be sent to the Contractor for pricing.</i></p>	
1	<p>T. DePooter presented a letter from the 1300 Contractor requesting a change order for CTS - Utility Conflict at WD Tie-in Station 101+49. During potholing activities the Contractor discovered multiple utilities preventing the Contractor from making the 12" tie-in at the proposed location. SFWD has requested another location be identified to avoid the sewer laterals. The <b>CMB agreed</b> with the change authorizing the RE to proceed with a <b>not to exceed amount of \$15K</b>. Reminding the CM team of their</p>	

ITEM #	DISCUSSION	ACTION BY DUE DATE
	responsibility to ensure the Contractor is following the proper documentation process for submitting a change and the RE's responsibility to demonstrate to the Board through an analysis the merits of the change.	
2	M. Vilcheck presented contract 1300 RFI 0062 YBM - Modify temporary traffic routing plan A. The Contactor's contends the contract drawings do not provide an adequate work area to construct the slurry wall and accommodate the construction equipment. The CMB suggested the RFI should be sent to DPT and that a response to the Contractor should include a statement directing them to figure out an alternative plan that maintains the minimum contract requirements for traffic control.	
3	M. Benson presented revised documentation as a follow up item to Contract 1277 COR 01 - Demolish and remove unforeseen concrete structures under slab on grade. During performance of contract work the Contractor encountered an unknown room under the existing Pagoda floor slab. Contractor was directed to demolish the unknown room and remove the brick, concrete debris, and slab. In order not to delay the 1252 Contractor access to the site the mixed debris was off hauled to Baylands Soil Processing for sorting and testing of the soil. The CMB <b>did not agree with merit</b> for the work as presented and requested the RE to re-examine the load and tonnage figures in the estimate as well as additional time. No action was taken by the CMB on this item.	
4	M. Benson presented a revised merit elevation sheet for Contract 1277 COR 03 - Hauling and disposal of Styrofoam debris. During excavation of the Pagoda Theater styrofoam was discovered inside the concrete of the interior stairway and embedded in the concrete floor. It was necessary to dispose the material at Ox Mountain. In an effort to support the position of merit for cost of disposal of the construction debris, additional information in the form of disposal tickets was shown (see attached). CMB approved the revised costs associated with the different site condition for a Not To Exceed amount of \$3,018.07 - <b>AGREE – CMB 0149</b> . Previous CMB action for same work on Change No. 0148 for a NTE amount of \$4,307.78 will be voided.	
5	M. Benson presented revised documentation as a follow up item to Contract 1277 COR 04 - Sorting of materials at Bayland Soils Processing. Material encountered by the Contractor under the existing unknown room of Pagoda floor slab were removed and off hauled to Baylands for sorting and testing. The results of the test indicate an estimated four loads to be contaminated. Contaminated loads will be rerouted to Ox Mountain for disposal. CMB approved the costs associated with the different site condition for a Not To Exceed amount of \$12,338.34 - <b>AGREE – CMB 0151</b> .	

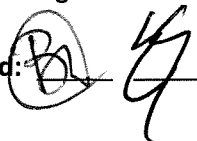
**ACTION ITEMS**

ITEM #	MTG DATE	MTG ACTION DATE	DESCRIPTION	BIC	DUE DATE	STATUS
8	07/24/13	07/24/13	1252 – Breakdown of Bid Item GE-3	MB	02/26/14	Open
2	08/14/13	08/14/13	1252 – CMod #8 (PSI strength) – Statement of occurrence post meeting record of approval which overrode CMB direction	SW	02/26/14	Open
1	08/28/13	08/28/13	1252 – Outstanding COR's – status update	SW/MB	02/26/14	Open

2 & 3	08/28/13	08/28/13	1252 – COR 97 & 98 – gravel encountered action plan from Engineering of Record (DP1)	SW/MB	02/26/14	Open
5	08/28/13	08/28/13	1252 – Action plan of execution for the Slip Lining Work (Stockton/Columbus)	SW	02/26/14	Open
4	09/25/13	10/02/13	1252 – COR #104 - Additional Sewer Slip Lining – SFPUC Response	SW	02/26/14	Open
5	09/25/13	10/02/13	1300 – PCC CTS 0001 - Contractor Cost Proposal	TDP	02/26/14	Open
2	10/09/13	10/09/13	1252 – Design Clause - confirmation of existing contract language in CN 1252 and CN 1300 regarding existing conditions related to utilities	JW/AH	02/26/14	Open
1	10/16/13	10/16/13	1252 – COR 102 - Determine if the Contractor received 1251 as built information before they began operations	SW	02/26/14	Open
1	10/16/13	10/16/13	1252 – COR 102 - Graphic showing the location of the headwalls control line	SW	02/26/14	Open
3	10/23/13	10/23/13	1252 – PCC 014 - Contractor Cost Proposal	JW/SW	02/26/14	Open
4	10/23/13	10/23/13	1252 – COR 05 - Revisit IRL process with Contractor	RR	02/26/14	Open
2	11/06/13	11/06/13	1252 - COR 017 – Notify utility of cost as Form B bill update under CN1250 or CN1251	SW	02/26/14	Open
3	11/06/13	11/06/13	1252 – Slurry Wall Panels – TIA to be sent to BIH – SFMTA's time savings and premium cost saving	SW/AA	02/26/14	Open
2	11/13/13	11/13/13	1300 – Setup a meeting with DT to confirm the use to control traffic	BK	02/26/14	Open
NA	11/13/13	11/13/13	1252 – Confirm who is being billed for the use of PCO's at 5 <sup>th</sup> St.	MB	02/26/14	Open
2	11/20/13	11/20/13	1300 – PCC 00X - PGE Traffic Control - Utility verification letter	TDP	02/26/14	Open
7	12/11/13	12/11/13	1252- BART Load Cell - Conference Call	JW	02/26/14	Open
9	12/11/13	12/11/13	1252 - Trend Log Segment Measuring Frequency line item credit (1.3M)	MB	02/26/14	Open
10	12/11/13	12/11/13	1252 - Precast Tunnel Liner Test - Contractor's Rpt.	ML	02/26/14	Open
2	01/08/14	01/08/14	1300 - PCC - Contractor Cost Proposal - Geoprobos	RR/ST	02/26/14	Open
4	01/08/14	01/08/14	1300 - PCC - Contractor Cost Proposal - Joint Trench Conduits	TDP	02/26/14	Open
4	01/15/14	01/15/14	1300 - CTS confirmation from PG&E of cost for concrete encasement of lines	TDP	02/26/14	Open
3	02/05/14	02/05/14	1277 - Revise COR 003 Evaluation of Merit sheet	MB/MLe	02/26/14	<b>CLOSED</b>
10	02/05/14	02/12/14	1300 - STS Letter to SFPUC notification of collapse	MA	02/26/12	Open

Meeting adjourned at 5:00pm

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: 06/26/14 [Date review completed]

## Meeting Agenda

**Project No. M544.1, Contract No. CS-149**  
**Program/Construction Management**  
**Configuration Management Board (CMB) Meeting No. 160**  
**February 26, 2014**  
**3:00pm – 5:00pm**  
 Central Subway Project Office  
 821 Howard St. 2<sup>nd</sup> Floor  
 Main Conference Room

**Attendees:**


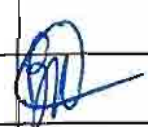
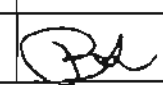
Mark Benson	Brian Kelleher	Richard Redmond
John Funghi	Mark Latch	Eric Stassevitch
Albert Hoe	Brad Lebovitz	Beverly Ward
Scott Jefferis	Roger Nguyen	Luis Zurinaga

1. **1277** - COR 01 - Demolish and remove unforeseen concrete structures found under slab on grade - *Merit, Cost NTE*
  - COR 03 - Hauling and disposal of Styrofoam debris - *Merit*
  - COR 04 - Sorting of materials at Baylands Soils Processing - *Merit, Cost NTE*
  
2. **1300** - PCC No. 11 - CTS Gas Main Parallel to AWSS Line on Stockton St. - *Approval*
  - COR XX - Utility Conflict at WD Tie in Station 101+49 - *Information*
  - YBM RFI 062 - Modify Temp traffic Routing Plan A, Phase 2 - *Information*
  
3. **Trend Log**
  
4. **Other Business –**

## Meeting Attendance Sheet

Project No. M544.1, Contract No. 149  
 Program/Construction Management  
 Configuration Management Board S Meeting No. 160  
 February 26, 2014  
 3:00 p.m. – 5:00 p.m.  
 Central Subway Project Office  
 821 Howard, 2<sup>nd</sup> 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.				
Acosta, Mike	SFMTA	(415) 701-5282	Mike.Acosta@sfmta.com	
Benson, Mark	CSP	(415) 238-0996	Mark.Benson@sfmta.com	MCB
Chow, Vivian	SFMTA	(415) 701-5264	Vivian.chow@sfmta.com	
DePooter, Ted	CSP	415 701-5295	Ted.DePooter@sfmta.com	TBD
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	
Henry, Melvyn	SFMTA	(415) 701.5719	Melvyn.Henry@sfmta.com	
Hoe, Albert	SFMTA	(415) 701-4289	Albert.Hoe@sfmta.com	AA
Jefferis, Scott	SFMTA	(415) 238-4679	Richard.Jefferis@sfmta.com	
Kelleher, Brian	SFMTA	(415) 701-5289	Brian.Kelleher@sfmta.com	
Kelly, Jim	SFMTA		Jim.Kelly@sfmta.com	
Kuehn, David	STV/PMOC	(510) 464-8053	David.kuehn@stvinc.com	
Latch, Mark	CSP	(415) 701-5294	Mark.Latch@sfmta.com	WOL
Lebovitz, Brad	STV/PMOC	(510) 464-8052	Bradley.lebovitz@stvinc.com	



**PROPOSED CONTRACT CHANGE**

**FINDING OF FACTS**

Contract No. 1300 Stations, Surface, Track and Systems Date 2-21-2014  
 PCC No. 0011 CTS  
 PCC Title CTS – Gas Main Parallel to AWSS Line on Stockton  
 PCC Initiator Wyman Lee Dept. CM

<b>Description of PCC:</b> An existing 12" cast iron AWSS line running along the East side of Stockton Street, between Washington and Sacramento, will be replaced with a new 12" ductile iron AWSS line. The existing 2" PG&E gas main in a 6" casing, running parallel to the existing 12" AWSS line, was discovered to be only 8" away, edge to edge. This 8" spacing impacts mechanical excavation, trench shoring, and pipe installation.	
<b>Reason/Need for PCC:</b> PG&E (Michael Lightstone) was notified of these impacts and elected to not relocate their existing gas main. PG&E would like their facilities protected in place while the new AWSS line is replaced in place. Performing hand excavation and providing temporary support for this PG&E gas main was not specified in the Contract Documents.	
<b>Location/Station:</b> 12" AWSS line runs along the East side of Stockton Street between Washington Street and Sacramento Street for approximately 505 LF, STA 103+35 to STA 108+40.	
<b>Configuration Control Analysis:</b> Protecting the existing PG&E gas line while the new AWSS line is replaced will minimize impacts to Stockton Street (Muni Operations, traffic congestion) and the local community (businesses, residents). Option to relocate the existing gas main may not be possible due to multiple underground facilities along Stockton Street.	
<b>Recommended Action:</b> Recommend MTA to request cost estimate from Tutor Perini and negotiate a change order for performing this work.	
<b>Estimate:</b> Estimate is being prepared by SFMTA staff, sub-contractor estimates the work to be \$XX,XXX.XX	
<b>Spec. Ref.:</b>	33 11 20 Auxiliary Water Supply System (AWSS)
<b>Drawing Nos.:</b>	Utility Composites: UT-202, UT-203, UT-204 Auxiliary Water Supply System Work – Removal Work: AW-201.1, AW-201.2, AW-201.3 Auxiliary Water Supply System Work – New Work: AW-201.6, AW-201.7, AW-201.8, AW-201.9
<b>Attachments:</b> Request for Information #291 Michael Lightstone (PG&E) E-mail dated 2/14/2014	

Recommended by: \_\_\_\_\_ Date \_\_\_\_\_  
 Ted DePooter, Resident Engineer (SFMTA Representative)

Concur in Principle: \_\_\_\_\_ Date \_\_\_\_\_  
 Brian Kelleher, Project Contract Administrator (SFMTA Representative)





**PROPOSED CONTRACT CHANGE**

Contract No. 1300 Stations, Surface, Track and Systems Date 2-20-2014  
 PCC No. 0011 Package: CTS  
 PCC Title Gas Main Parallel to AWSS Line on Stockton

<b>Description of PCC:</b> An existing 12" cast iron AWSS line running along the East side of Stockton Street, between Washington and Sacramento, will be replaced with a new 12" ductile iron AWSS line. The existing 2" PG&E gas main in a 6" casing, running parallel to the existing 12" AWSS line, was discovered to be only 8" away, edge to edge. This 8" spacing impacts mechanical excavation, trench shoring, and pipe installation.	
<b>Summary of Changes:</b>	
<ul style="list-style-type: none"> <li>• Perform hand excavation for removal of existing 12" AWSS Cast Iron pipeline and installation of new 12" AWSS Ductile Iron pipeline along Washington and Stockton Streets.</li> <li>• Provide temporary support of existing PG&amp;E gas line in a 6" casing.</li> </ul>	
<b>Supplementary Conditions</b>	
<ul style="list-style-type: none"> <li>• Removal of existing 12" AWSS CI pipe and installation of 12" AWSS DI pipe is contract work.</li> </ul>	
<b>Spec Ref.</b>	33 11 20 Auxiliary Water Supply System (AWSS)
<b>Drawing Nos.</b>	Utility Composites: UT-202, UT-203, UT-204 Auxiliary Water Supply System Work – Removal Work: AW-201.1, AW-201.2, AW-201.3 Auxiliary Water Supply System Work – New Work: AW-201.6, AW-201.7, AW-201.8, AW-201.9
<b>Attachments</b>	Request for Information #291 Michael Lightstone (PG&E) E-mail dated 2/14/2014
The Contractor shall submit a cost proposal and time extension proposal in accordance with General Provisions Section 6.02 B and Section 7.02 B.	

Recommended by: \_\_\_\_\_ Date \_\_\_\_\_  
 Ted DePooter, Resident Engineer (SFMTA Representative)

Concur in Principle: \_\_\_\_\_ Date \_\_\_\_\_  
 Brian Kelleher, Project Contract Administrator (SFMTA Representative)

# Tutor Perini Corp

530 Bush Street, Suite 302

San Francisco, CA 94108

## REQUEST FOR INFORMATION

**No. 00291**

**Phone:** 415-638-6052

**TITLE:** CTS-0113 Gas Main Parallel to AWSS  
**PROJECT:** Stations, Surface, Track & Systems  
**TO:** Attn: Richard Redmond  
Central Subway Project

**DATE:** 1/29/2014  
**REQUIRED:** 2/12/2014  
**RESPONDED:**  
**CLOSED:**

**Requested By:** Tutor Perini Corp

**Date:** 1/29/2014

<b>WORK IMPACT:</b>	<b>SCHEDULE IMPACT:</b>	<b>COST IMPACT:</b>	<b>WORK PACKAGE:</b>
Unknown	No	No	CTS

### REQUEST / QUESTION:

Can we be provided with a response to Valverde's attached RFI No 27? Please advise.

### PROPOSED SOLUTION:

### ANSWER:

# RFI Transmittal

**Request for Information #: CTS-0113**  
**SFMTA 3rd St Light Rail Prog**

**Response Required By: 2/5/2014**

**Initiated Date: 1/29/2014**

**Project # 01011.101760**

530 Bush Street  
Suite 302  
San Francisco, CA 94108  
Tel: 415-638-6052 Fax:

Printed on: 1/29/2014

## Confirmation

**Discipline:** Auxiliary Water Supply

<b>Submitted To:</b>	<b>Submitted By:</b>
SF Municipal Transportation Agency Richard Redmond 821 Howard Street 2nd Floor San Francisco, CA 94103	Valverde Construction, Inc. Marcus Gomez 10918 Shoemaker Ave Santa Fe Springs, CA 90670
<b>Subject</b>	
Gas Main Parallel to AWSS	
<b>Copies To:</b>	
<b>Drawing Reference</b>	
<b>Information Requested</b>	
Can we be provided with a response to Valverde's attached RFI No 27? Please advise.	
<b>Suggestion</b>	
<b>Response</b>	

**Answered By:** \_\_\_\_\_

**Date Answered:** \_\_\_\_\_

Valverde Construction, Inc.  
10918 Shoemaker Ave.  
Santa Fe Springs, CA. 90670  
(562) 906-1826 Office  
(562) 906-1918 Fax

**REQUEST FOR INFORMATION**

R.F.I. No.: 27

Date: 1/29/2014

Priority: ASAP

Directed To: Tutor Perini

**Project:** Central Subway Stations, Surface Track & Systems Ph. 2  
**Subject:** Gas Main Parallel to the AWSS on Stockton - CTS  
**Requested By:** Marcus Gomez  
**Specs/Drwg Reference:** UT 202-204  
**Date Reply Requested:** ASAP

**Information Requested:**

Along the entire alignment of the 12" AWSS potholes on Stockton from Washington to the southern P.O.C. near Sacramento, we have encountered a gas line in a 6" casing running parallel to the 12" AWSS water line. The gas line is west of the 12" AWSS line and approximately 8" away, edge to edge. This will impede the excavation, shoring, and installation of the proposed 12" AWSS water line.

The attached photo is an example of one location at sta 105+60 showing the gas line next to the 12" AWSS line.

Suggestion: Have the utility owner relocate their gas line.

Please advise on how to proceed with the 12" AWSS installation.

Signature: Marcus Gomez

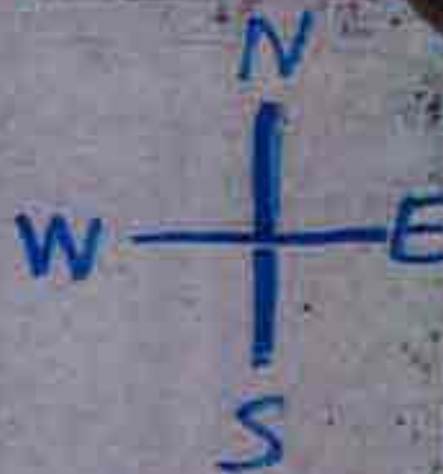
REPLY:

Response prepared by: \_\_\_\_\_

Attachments: Yes      No

Authorized Signature: \_\_\_\_\_

11-7-13



PH-106+172

106 UT203

→ ~~105+51~~

105+60

172  
UT203

~~105+87~~



2" GAS LINE

12" CI N.D.  
2' 8" Top

6" CI PIPE  
2" GAS INSIDE

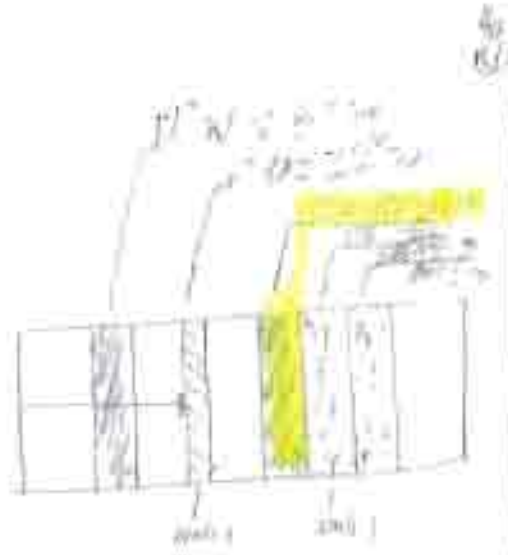
12" CI FINISH  
2' 11" Top

PER WATER DEPT.

DUCT BANK  
2' 1" Top

DUCT BANK  
1' 3" Top  
N  
↓

↑  
N



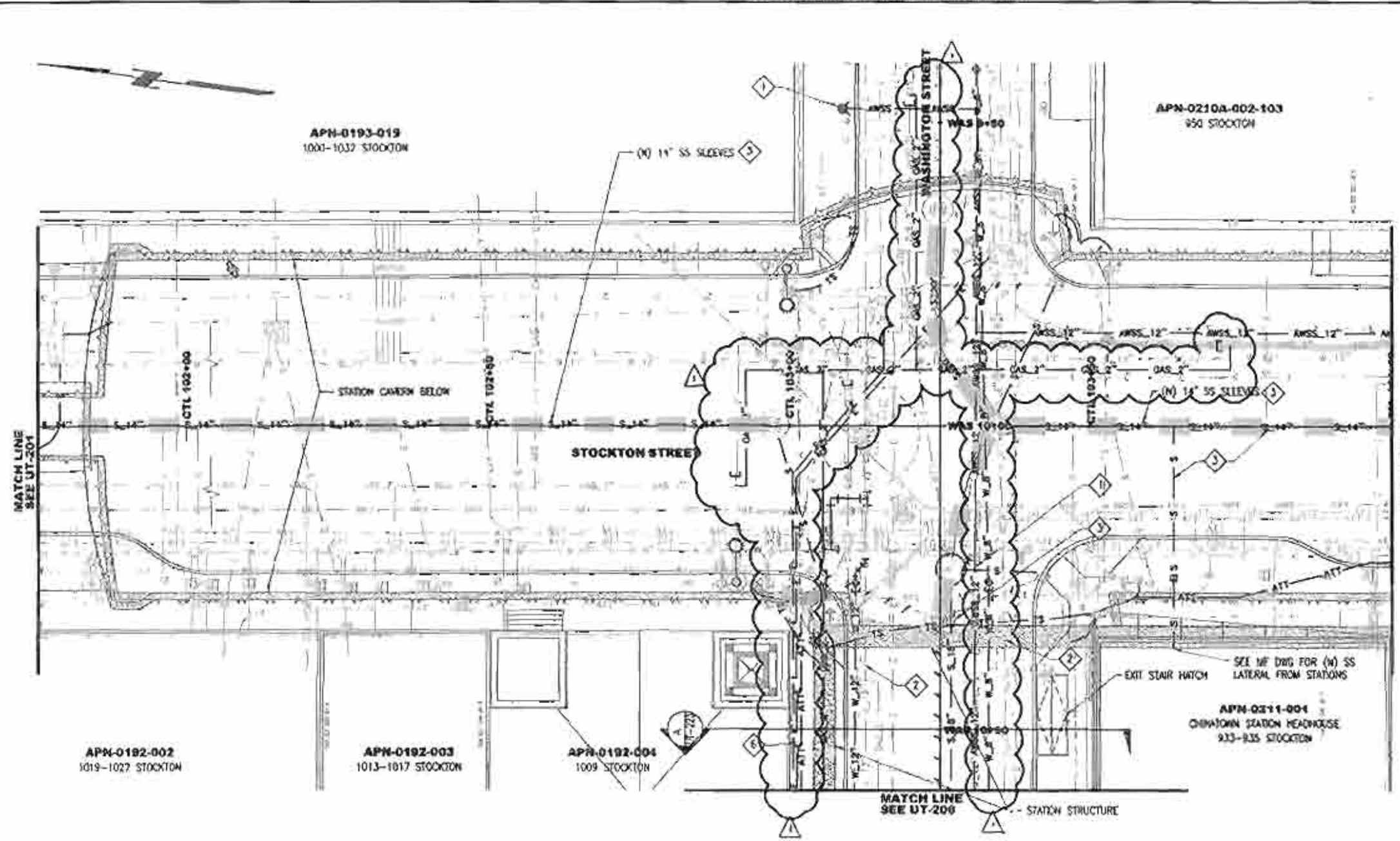
16-20-21  
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NOTE 1 complete  
with form on  
12-14-21

NOTE 2 2-20-21  
remaining out of  
of cut.

10-11-21  
11-12-21  
12-13-21  
13-14-21  
14-15-21  
15-16-21  
16-17-21  
17-18-21  
18-19-21  
19-20-21  
20-21-21

- NOTES:**
1. SEE AN DRAWINGS FOR AWSS WORK.
  2. SEE WD DRAWINGS FOR WATER DISTRIBUTION WORK.
  3. SEE SW DRAWINGS FOR SEWER WORK.
  4. SEE ET DRAWINGS FOR TRAFFIC SIGNAL WORK.
  5. SEE EL DRAWINGS FOR STREET LIGHT WORK.
  6. SEE JT DRAWINGS FOR JOINT TRENCH WORK.
  7. THIS DRAWING DEPICTS UTILITIES AT COMPLETION OF CONTRACT.
  8. SEE ON DRAWINGS FOR OVERHEAD CONTACT SYSTEM.



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 Ployal Fri Jan 11, 2013 - 4:01 pm UT-202

FOR ORIGINAL SIGNATURES, SEE CL-19579, REV. 0.

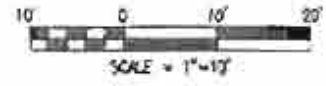
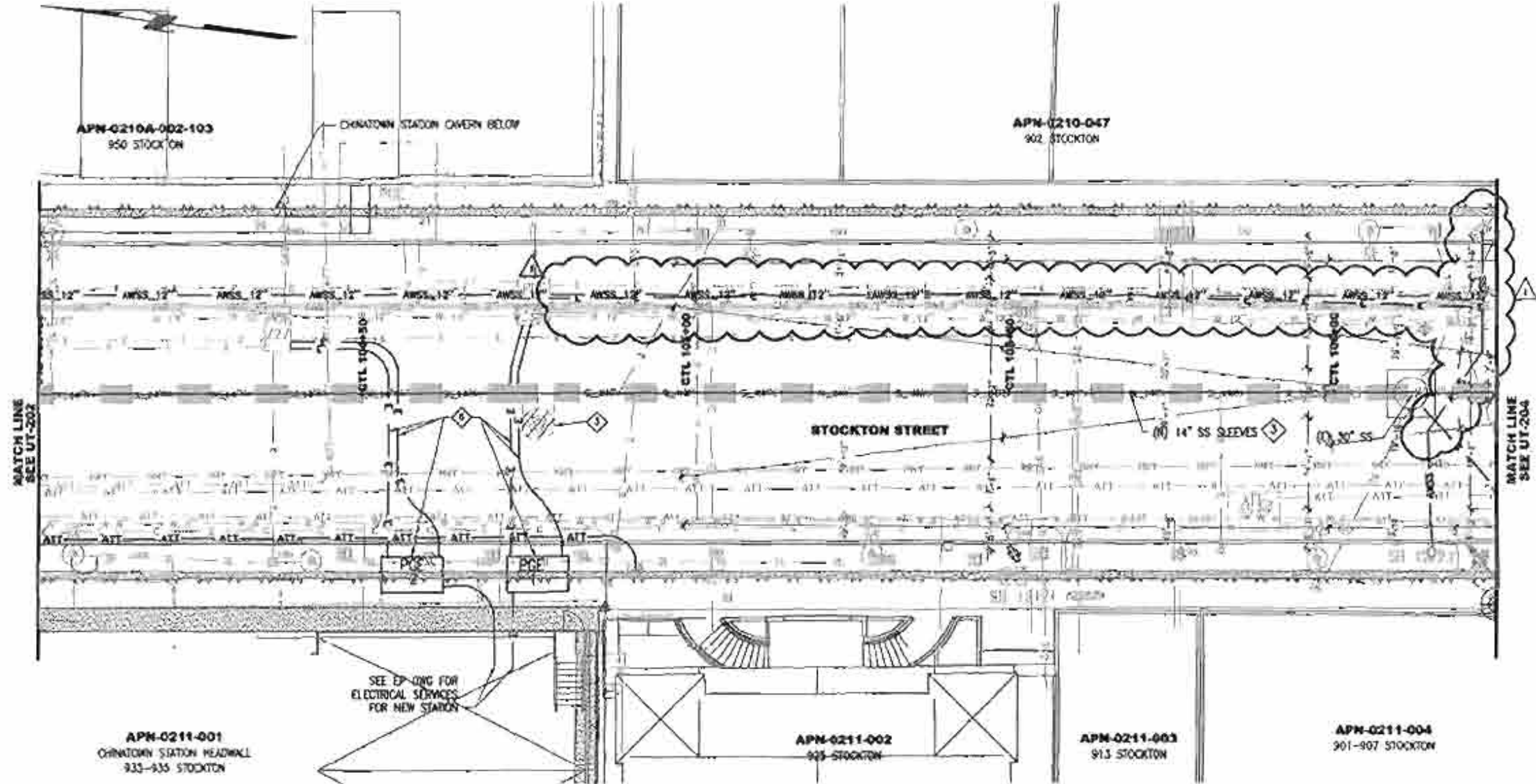
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; font-size: small;">                 01/16/2013 CHECKS FOR CONTRACT 1320 ACCORDING NO. 3                  08/29/2012 ISSUED FOR 1254R                  11/14/2011 ISSUED FOR 50             </td> <td style="width: 50%; text-align: right;">                 [Signature]                  [Signature]                  [Signature]             </td> </tr> </table>	01/16/2013 CHECKS FOR CONTRACT 1320 ACCORDING NO. 3 08/29/2012 ISSUED FOR 1254R 11/14/2011 ISSUED FOR 50	[Signature] [Signature] [Signature]	 <b>TEC</b> <b>TELAMON ENGINEERING CONSULTANTS INC.</b>	S. TORRES J. BROWN M. CHAN B. HONG A. WONG R. EDWARDS GIC 12/14/2011	REV. 0 SEALED BY M. CHAN	 CITY AND COUNTY OF SAN FRANCISCO <b>MUNICIPAL TRANSPORTATION AGENCY</b> APPROVED: CHENG S. FONG DIRECTOR OF TRANSPORTATION	THIRD STREET LIGHT RAIL PROGRAM PHASE 2 - CENTRAL SUBWAY CHINATOWN STATION UTILITY COMPOSITE CTL 101+75 TO 104+00	PROJECT NO. <b>1254R</b> SHEET NO. <b>CL-19579</b> SECTION NO. <b>UT-202</b> SHEET NO. <b>111</b>
01/16/2013 CHECKS FOR CONTRACT 1320 ACCORDING NO. 3 08/29/2012 ISSUED FOR 1254R 11/14/2011 ISSUED FOR 50	[Signature] [Signature] [Signature]							

**CONFORMED**

WARNING: THIS RECORD CONTAINS SENSITIVE, RELIABILITY INFORMATION THAT IS UNCONTROLLED UNDER 49 CFR PARTS 19 AND 192. NO PART OF THIS RECORD MAY BE DISCLOSED TO PERSONS OTHER THAN A PERSON TO WHOM IT IS DELIVERED OR TO OTHER PARTS 19 AND 192, EXCEPT WITH THE WRITTEN PERMISSION OF THE ADMINISTRATOR OF THE TRANSPORTATION SECURITY ADMINISTRATION OR THE SECRETARY OF TRANSPORTATION. UNAUTHORIZED RELEASE MAY RESULT IN CIVIL PENALTY OR OTHER ACTION.



- NOTES:**
1. SEE ALL DRAWINGS FOR ARSS WORK.
  2. SEE MD DRAWINGS FOR WATER DISTRIBUTION WORK.
  3. SEE SW DRAWINGS FOR SEWER WORK.
  4. SEE ET DRAWINGS FOR TRAFFIC SIGNAL WORK.
  5. SEE EL DRAWINGS FOR STREET LIGHT WORK.
  6. SEE JT DRAWINGS FOR JOINT TRENCH WORK.
  7. THIS DRAWING DEPICTS UTILITIES AT COMPLETION OF CONTRACT.
  8. SEE OV DRAWINGS FOR OVERHEAD CONTACT SYSTEM.



\\svs-cs003\m544-1\FrodDesign\DRAWINGS\CS155-2\1254\1\02\CIVIL\15\_UTILITY PLANS\1254-0219-UT-203.dwg  
 P:\Boyer Fri Jan 11, 2013 - 4:38 pm UT-203

FOR ORIGINAL SIGNATURES, SEE CL-19580, REV. 0.

07/16/2013	ISSUED FOR CONTRACT (200 APPROVED NO. 3)	
08/20/2013	ISSUED FOR 1254R	
12/4/2013	ISSUED FOR 112	

central subway design group

**TELAMON ENGINEERING CONSULTANTS INC.**

REV. 0  
SEALED BY  
M. CHAN

CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**

APPROVED  
CHAS A. JEDDO  
DIRECTOR OF TRANSPORTATION

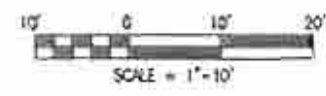
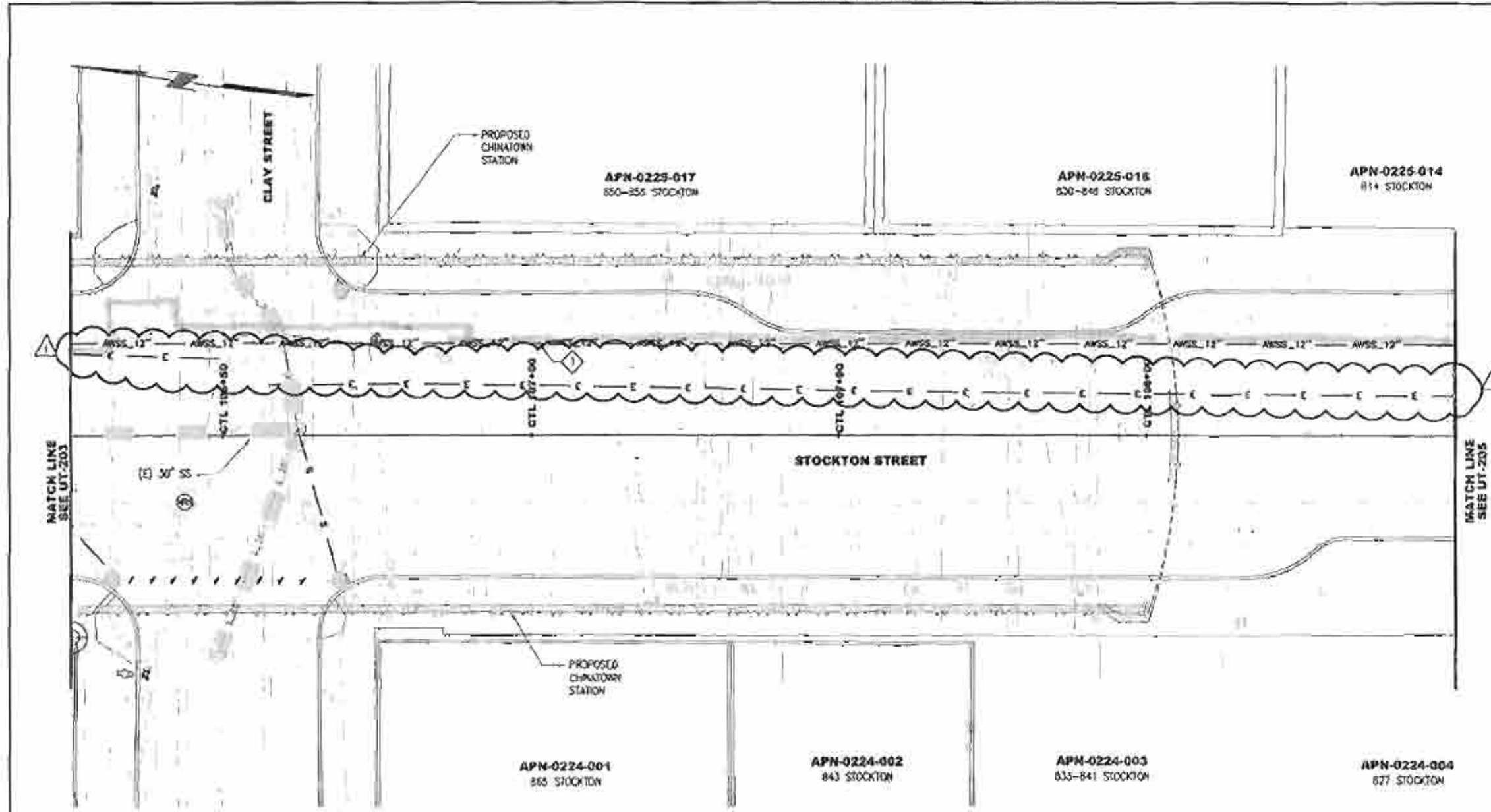
THIRD STREET LIGHT RAIL PROGRAM  
PHASE 2 - CENTRAL SUBWAY  
CHINATOWN STATION

UTILITY COMPOSITE  
CTL 104+00 TO 106+25

1254R	
CL-19580	
UT-203	
112	1

**CONFORMED**

- NOTES:**
1. SEE MISS (AM) DRAWINGS FOR DESIGN.
  2. SEE WATER DISTRIBUTION (WD) DRAWINGS FOR DESIGN.
  3. SEE SEWER (SW) DRAWINGS FOR DESIGN.
  4. SEE ET DRAWINGS FOR TRAFFIC SIGNAL WORK.
  5. SEE SL DRAWINGS FOR STREET LIGHT WORK.
  6. PG&E GAS & ELECTRICAL WORK BY OTHERS.
  7. CONCAST WORK BY OTHERS.
  8. THIS DRAWING DEPICTS UTILITIES AT COMPLETION OF CONTRACT.



FOR ORIGINAL SIGNATURES, SEE CL-19581, REV. 0

\\sfs003\p5441\FinalDesign\DRAWINGS\CS155-2\1254\SHEET FILES\02\_CIVIL\19\_UTILITY PLANS\12540219UT204.dwg  
FBayerl Fri Jan 11 2013 4:51 pm UT-204

DATE	DESCRIPTION	BY	CHECKED
01/14/2011	ISSUED FOR CONSTRUCTION	W. CHAN	W. CHAN
01/14/2011	ISSUED FOR DESIGN	W. CHAN	W. CHAN
01/14/2011	ISSUED FOR PERMITS	W. CHAN	W. CHAN

**TELAMON ENGINEERING CONSULTANTS INC.**

1728/2011

REV. 0  
SEALED BY  
M. CHAN



CITY AND COUNTY OF SAN FRANCISCO  
**MUNICIPAL TRANSPORTATION AGENCY**

APPROVED

SHAO S. BOON  
DIRECTOR OF TRANSPORTATION

THIRD STREET LIGHT RAIL PROGRAM  
PHASE 2 - CENTRAL SUBWAY  
CHINATOWN STATION

UTILITY COMPOSITE  
CTL 106+25 TO 108+50

PROJECT NO.	1254R
CONTRACT NO.	CL-19581
DRAWING NO.	UT-204
SHEET NO.	113
TOTAL SHEETS	1

CONFORMED

**Tutor Perini Corporation**  
530 Bush St, Suite 302  
San Francisco, CA 94108  
Tel: 415/638-6052

**Tutor Perini**  
Over a century of excellence

SFMTA - 59

Thursday, February 20, 2014

SF Municipal Transportation Agency  
821 Howard Street  
2nd Floor  
San Francisco, CA 94103  
Attn: Richard Redmond

Reference: Third Street Light Rail Program Phase 2 – Central Subway Stations, Surface, Track and Systems,  
Contract No. 1300, TPC 10176000

Subject: **Change Order Request - RFI#234 (CTS-0076) - Utility conflict at WD Tie-in Station 101+49**

Dear Mr. Redmond,

In response to your response to RFI#234 (CTS-0076) - Utility conflict at WD Tie-in Station 101+49, Tutor Perini Corporation (TPC) provides herewith a lump sum cost proposal for this Change Order Request in the (additive/~~deductive~~) amount of \$15,662.00 (Sixteen Thousand Six Hundred Sixty Two and 00/100 Dollars) per the following scope:

- Includes Valverde Construction Inc. additional costs for implementing traffic control, sawcutting, potholing, and temporary street restoration per COR#8 dated 2/18/14.
- Includes TPC's additional support costs including noise permits and safety engineer.
- Excludes any work not specifically included in attached proposal.

In accordance with the above and contract provisions, please provide a Change Order to us promptly for the additional costs so that further delays and payment for this extra work may be mitigated.

If you have any questions, please contact the undersigned at 415-638-6052.

Respectfully,  
Tutor Perini Corporation



Patrick Jennings  
Project Manager

cc: File, 10-2.0063

TUTOR PERINI CORPORATION  
 SF Municipal Transportation Agency  
 Third Street Light Rail Program Phase 2  
 Central Subway Stations, Surface, Track and Systems  
 Contract No. 1300, TPC 10176000  
 (415) 638-6052

COR  
 1800063

Year 2014 Edition

RFIs Included:  
 Submittals included:  
 RFIs Included:  
 EXPIRATION DATE: 5 days from receipt  
 Warranties, Retention Withholding,  
 Impacts to Minority Goals, and CCB<sup>3</sup> Impacts  
 Preservation of Property Costs Unknown at this Time

# Proposal Sheet

**DESCRIPTION**

COR - RFI#234 (CTS-0076) - Utility conflict at WD Tie-In Station  
 101+40

TOTAL COST PROPOSAL: \$ 15,662

ITEM NO.	PROJECT COSTS ITEM DESCRIPTION	QUANTITY	UNIT	LABOR/OTHER RATE	EQUIPMENT RATE	MATERIAL RATE	SPECIALIST UNIT RATE	SUBCONTRACT RATE	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
									DIRECT LABOR	DIRECT EQUIPME	DIRECT MATERIAL	SPECIALIST	DIRECT SUBCONTRACT	DIRECT COSTS
	RECAP FROM PRICING SHEET								\$ 840.64	\$ -	\$ -	\$ 115.63	\$ 13,536.00	\$ 14,492.27
	Dumpster Pulls		EA											\$ -
	Dust Control		LB											\$ -
	Engineering (@100/yr = 75/yr W/28%emu below)		HRB											\$ -
	Field Design		HRB											\$ -
	First Aid & Safety Items		HRB											\$ -
	Freight Cost		LB											\$ -
	Heavy Duty Scaffold		EA											\$ -
	Install / Remove / Relocate Temporary Stairs		MH											\$ -
	Management Trips to Field		HRB											\$ -
	Misc. & Consumables		LB											\$ -
	Misc. & Fuel Surcharge		LB											\$ -
	Mobilization / Demobilization		HRB											\$ -
	Permits		LB											\$ -
	Portable Scaffold		EA											\$ -
	Postage (\$10/EA)		EA											\$ -
	Procurement		LB											\$ -
	Professional Services		HRB											\$ -
	Quality Control Inspection & Testing		HRB											\$ -
	Record Drawing / As-Built		HRB											\$ -
	Rigging / Special Handling		HRB											\$ -
	Sanitation (toilet/shink/service 250/ea/MO)		MO											\$ -
	Security Services		HRB											\$ -
	Small Tools	0.00%	OF			\$ -					\$ -			\$ -
	Storm Water Pollution Prevention Plan (SWPPP)		LB											\$ -
	Storm-Water Pumping		HRB											\$ -
	Street Sweeper		HRB											\$ -
	Temporary Power		HRB											\$ -
	Temporary Storage / Shop		LB											\$ -
	Traffic Control		LB											\$ -
	Utility Charges		LB											\$ -
	<b>SUBTOTAL</b>								\$ 840.64	\$ -	\$ -	\$ 115.63	\$ 13,536.00	\$ 14,492.27
	SUPERVISORY PERSONNEL W/10% FEE		HRB						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SALES TAX	0.75%	OF	\$ -							\$ -			\$ -
	<b>SUBTOTAL</b>													\$ 14,492.27
	MISC EQUIPMENT	0.00%	OF	\$ 840.64						\$ -				\$ -
	INCIDENTAL LABOR COSTS	0.02%	OF	\$ 840.64					\$ -					\$ -
	<b>SUBTOTAL</b>													\$ -
	CONTRACTOR OVERHEAD & PROFIT-ON LABOR	10%	OF	\$ 840.64					\$ 126.10					\$ 126.10
	CONTRACTOR OVERHEAD & PROFIT-ON EQUIPMENT	10%	OF		\$ -					\$ -				\$ -
	CONTRACTOR OVERHEAD & PROFIT-ON MATERIAL	10%	OF			\$ -					\$ -			\$ -
	CONTRACTOR OVERHEAD & PROFIT-ON SPECIALIST	10%	OF				\$ 115.63				\$ 17.34			\$ 17.34
	CONTRACTOR OVERHEAD & PROFIT-ON CONTRACT	0%	OF											\$ -
	CONTRACTOR MARKUP ON SUBCONTRACTOR(S)	8%	OF					\$ 13,536.00				\$ 676.80		\$ 676.80
	<b>SUBTOTAL</b>												\$ 676.80	\$ 676.80
	<b>BID ITEM ADJUSTMENTS</b>													\$ 15,312.61
	EXCESS LIABILITY COST	1.15%	OF			\$ 15,312.61					\$ 180.54			\$ 180.54
	CONTRACTOR BOND COST	1.04%	OF			\$ 15,312.61					\$ 158.49			\$ 158.49
	<i>Note: 8% Earthquake Insurance for change order work is included herein-Separate pricing is not available</i>													
	<b>TOTAL CHANGE ORDER</b>								\$ 966.74	\$ -	\$ 339.03	\$ 132.97	\$ 14,212.80	\$ 15,662

**Tutor Perini Corporation**

**CCO Scope and Cost Analysis**

*SF Municipal Transportation Agency  
Third Street Light Rail Program Phase 2  
Central Subway Stations, Surface, Track  
and Systems  
Contract No. 1300, TPC 10176000*

**COR - RFI#234 (CTS-0076) - Utility conflict at WD Tie-  
in Station 101+49**

Index	Change Item	Item No.	Details	Calcs	Total Value
1			RFI#234 (CTS-0076) - Utility conflict at WD Tie-in Station 101+49	\$	15,652
2				-	\$ -
3				-	\$ -
<b>TOTAL</b>				<b>\$</b>	<b>15,652</b>

Contract Change Order Number: COR

Notes:  
 1) See Notes on Proposal Sheet

DESCRIPTION

COR - RFW234 (CTS-0076) - Utility conflict at WD Tie-in Station 191+49

# Pricing Sheet

ITEM #	DESCRIPTION	LABOR	EQUIP	# EA	OR U	LABOR RATE	EQUIPMENT RATE	MATERIAL RATE	SPECIALIST RATE	SUBCONTRACT RATE	PERMITS	TOTAL LABOR	TOTAL EQUIPMENT	TOTAL MATERIAL	TOTAL SPECIALIST	TOTAL CONTRACT	TOTAL SUBCONTRACT	\$ TOTAL		
	Contract Change Notice Number: COR																			
	RFW234 (CTS-0076) - Utility conflict at WD Tie-in Station 191+49 A) Valverde Construction COR#008 - Utility Conflict at WD Tie-in (CTS)																			
	VALCON Valverde Construction COR 008 dated 2/13/14			1	LS					\$13,536.00							\$13,536.00	\$13,536.00		
	B) TPC Support Costs																			
	Safety Engineer	LABOR-S.TIME	LBRB	10	MH	\$52.54						\$840.64						\$840.64		
		LABOR-O.TIME	LBRB			\$69.14														
	C&CBF Noise Permit			1	EA				\$115.83						\$115.83			\$115.83		
	SUBTOTAL																			
	SUBTOTAL																			
	SUBTOTAL																			
	Total For Pricing Sheet											\$840.64			\$115.83		\$13,536.00	\$14,492.27		

**VALVERDE CONSTRUCTION, INC.**  
General Engineering Contractors  
License No. 276469  
10918 Shoemaker Ave,  
Santa Fe Springs, California 90670  
Tel (562) 906-1826 Fax (562) 906-1918

February 18, 2014

Tutor Perini Corporation  
530 Bush Street  
San Francisco, CA. 94108

Attention: Brett Chabert  
Reference: Phase 2 Central Subway Project – Contract 1300  
CTS Drawing WD-201 & UT -201  
Subject: COR 008 – Utility Conflict at WD Tie-in (CTS)

Dear Brett:

Valverde Construction, Inc. hereby requests a change order to perform the work described in the response to SFMTA RFI No. 00234 (TPC RFI No. CTS 0076), per Article 6. The description of work entails implementing traffic control, sawcutting, potholing, and temporary street restoration. Valverde Construction's cost proposal (R.O.M.) to perform this work is:

\$13,536.00

Attached is a cost breakdown based on two days of potholing to substantiate the price above.

Please feel free to contact me with any questions you may have.

Sincerely,  
Valverde Construction, Inc.



Marcus Gomez  
Project Manager

# VALVERDE CONSTRUCTION, INC.

## Job 995 Extra Work Report

Job # 995 Date Performed \_\_\_\_\_  
 Date of Report \_\_\_\_\_  
 PCC # \_\_\_\_\_  
 COR# \_\_\_\_\_ CONTRACT # \_\_\_\_\_

Report #: \_\_\_\_\_  
 Amount Authorized: \_\_\_\_\_  
 Previous Expenditure: 0.00  
 Today: 13,536.47  
 To Date: 13,536.47

Location: ROM to perform additional potholing at Sta 101+49 Stockton for alternate WD tie-in location.  
 Description of Work: (Estimated two days of potholing)

No.	Labor	Name	Type	Rate	Hours	Extended Amount
2376	TF2	CARREON Eren	REG	70.08	16.0	1,121.28
1315	NLG3	RODRIGUEZ Juan R	REG	53.00	16.0	848.00
1386	NLG3	GARCIA Jaime	REG	53.00	16.0	848.00
1311	NGO3	WARD Anthony C	REG	69.37	16.0	1,109.92
	#N/A	#N/A	#N/A	#N/A		-
	#N/A	#N/A	#N/A	#N/A		-
	#N/A	#N/A	#N/A	#N/A		-
	#N/A	#N/A	#N/A	#N/A		-
	#N/A	#N/A	#N/A	#N/A		-
	#N/A	#N/A	#N/A	#N/A		-
<b>Total Cost of Labor [A]</b>						<b>3,927.20</b>

No.	Equipment	Type	Rate	Hours	Extended Amount
BH4898	Case 590M Super Backhoe - Tutor	hr	55.93	16.0	894.88
TK9542	2012 Ford F-450 - Carreon	hr	32.90	16.0	526.40
cp1476	CompAir Q185 Compressor - Tutor	hr	21.23	16.0	339.68
ms0903	Construction Signs (4ea)	day	2.48	64.0	158.72
ms0901a	Cones 28"hi (15ea)	day	0.14	64.0	8.96
ms0928	Husqvarna Flat Saw - Tutor	hr	15.10	4.0	60.40
1k2040	2013 Ford F-550 Saw Truck	hr	35.39	4.0	141.56
	#N/A	#N/A	#N/A		-
	#N/A	#N/A	#N/A		-
	#N/A	#N/A	#N/A		-
	#N/A	#N/A	#N/A		-
	#N/A	#N/A	#N/A		-
	#N/A	#N/A	#N/A		-
<b>Subtotal Cost of Equipment [B1]</b>					<b>2,130.60</b>

Qty	Equipment Rental	Vendor	Invoice #	Amount
<b>Total Cost of Equipment Rental [B2]</b>				<b>0.00</b>

**Total Cost of Equipment [B1 & B2] 2,130.60**

Qty	Materials	Vendor	Invoice #	Amount
1 load	Dump fee			200.00
2 tons	Cut back			250.00
5 tons	Rock			150.00
<b>Total Cost of Material [C]</b>				<b>600.00</b>

Type of Work Performed	Subcontractor	Invoice #	Amount
Badger 16 hours at \$350 per hour	Badger		5,600.00
<b>Total Cost of Subcontractor [D]</b>			<b>5,600.00</b>

The above record is complete and correct

\_\_\_\_\_  
 Contractor's Representative

15% on Labor Cost [A]:	589.08
15% on Equipment Cost [B]:	319.59
15% on Material Cost [C]:	90.00
5% on Labor, Equip. and Material Cost if Work is Performed by Approved Subcontractor [D]:	280.00



**VALVERDE CONSTRUCTION, INC.**

**Job 995  
Extra Work Report**

Job # 995 Date Performed \_\_\_\_\_ Report #: \_\_\_\_\_  
Date of Report \_\_\_\_\_ Amount Authorized: \_\_\_\_\_  
PCC # \_\_\_\_\_ Previous Expenditure: 0.00  
COR# \_\_\_\_\_ CONTRACT # \_\_\_\_\_ Today: 13,536.47  
To Date: 13,536.47

Location: ROM to perform additional potholing at Sta 101+49 Stockton for alternate WD tie-in location.  
Description of Work: (Estimated two days of potholing)

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\_\_\_\_\_  
*Owner's Representative* Total this Report: 

13,536.47
-----------

# Tutor Perini Corp

530 Bush Street, Suite 302

San Francisco, CA 94108

## REQUEST FOR INFORMATION

No. 00234

Phone: 415-638-6052

<b>TITLE:</b> CTS-0076 Util conflict @ WD Tie-in	<b>DATE:</b> 1/16/2014
<b>PROJECT:</b> Stations, Surface, Track & Systems	<b>REQUIRED:</b> 1/30/2014
<b>TO:</b> Attn: Richard Redmond Central Subway Project	<b>RESPONDED:</b> 2/11/2014
	<b>CLOSED:</b> 2/11/2014

Requested By: Tutor Perini Corp

Date: 1/16/2014

<b>WORK IMPACT:</b> Unknown	<b>SCHEDULE IMPACT:</b> No	<b>COST IMPACT:</b> No	<b>WORK PACKAGE:</b> CTS
--------------------------------	-------------------------------	---------------------------	-----------------------------

### REQUEST / QUESTION:

Per the attached pothole pictures (pothole #2A) there are utilities in conflict with the proposed 12" connection at station 101+49 i.e. 6" cast iron line, 4" transite, 4ea potential water services. Also, per plan there is one water service located at station 101+30 to be reconnected but there isn't a meter box or USA mark on site at that location. Please provide direction on how to proceed.

### PROPOSED SOLUTION:

#### ANSWER:

With respect to the proposed 12" W tie-in at Sta 101+49, this is an (E) site condition. The design intent is to relocate (E) 12" W line to clear the excavation pit/opening. Contractor to identify in the field a tie-in location that will work to avoid the (E) laterals and provide a sketch of such location for Engineer's approval.

With respect to the water line lateral re-connection at Station 101+30, this is an (E) site condition; information/location shown is based on available record drawings. Contractor to confirm that neither the water service lateral nor the water meter exists for APN 0193-024 (may not be at Station 101+30), then confirm with the Water Department to see if the scope can be eliminated.



# Invoice



(415) 554-5810  
FAX (415) 554-6161  
<http://www.sfdpw.com>

Department of Public Works  
Bureau of Street-Use and Mapping  
1155 Market St, 3rd Floor  
San Francisco, CA 94103

Invoice # 110729

Invoice Date: 02/05/2014

Fee Type	Amount	FUND	SOBJ
Administrative	\$0.00		
inspection	\$115.63	09/097	60631

**Received of:**

**Agent Name:** Tutor Perini Corporation

**Contact:** Jim Nies

**Billing Address:**

15901 Olden Street

Sylmar

CA

91342

**Property Owner Name:**



**Project Location:** -

**Permit Type:** NightNoise

**Permit Number:** 14N-0027

**Fee Amount:** \$115.63

(110729)

**By:** \_\_\_\_\_

# RFI Transmittal

**Request for Information #: YBM-0062**  
**SFMTA 3rd St Light Rail Prog**

**Response Required By: 3/4/2014**

**Initiated Date: 2/25/2014**

**Project # 01011.101760**

530 Bush Street  
Suite 302  
San Francisco, CA 94108  
Tel: 415-638-6052 Fax:

Printed on: 2/25/2014

## Drawing Discrepancy / Clarification

**Discipline:** Traffic

<b>Submitted To:</b>	<b>Submitted By:</b>
SF Municipal Transportation Agency Richard Redmond 821 Howard Street 2nd Floor San Francisco, CA 94103	Tutor Perini Corporation Gary Elgenson 530 Bush Street San Francisco, CA 94108
<b>Subject</b>	
Modify Temp traffic Routing Plan A, Phase 2	
<b>Copies To:</b>	
<b>Drawing Reference</b>	
<b>Information Requested</b>	
<p>Temporary Traffic Drawing TR-004 is not coordinated with the construction drawings and does not provide an adequate work area to accomplish the construction of the slurry wall at "A" Line. This RFI is generated to request that Plan A, Phase 2 is modified to:</p> <ol style="list-style-type: none"><li>1. Provide a work area that allows construction of the Slurry Wall at "A" Line</li><li>2. Reduce the southbound traffic on the west side of 4th Street to a single 11' lane.</li></ol> <p>Traffic Plan TR-004, Plan A, Phase 2 reflects a work area off 37' with the east limit line shown at the curb line on 4th street. The useable work area is reduced due to the fact that the center of slurry wall is located 5.25' west of the east curb line. As reflected on the attached sketch, the required work area from the 4th Street curb is 46'-6 1/2" which is 9'-6 1/2" greater than the 37' reflected on sheet TR-004.</p> <p>Additionally, TR-004 shows two traffic lanes, however the plan will have to be modified to one 11' lane due to the construction equipment requirements and correction of the work area limits. The 11' lane is based on the remaining roadway width of 8'-3 1/2" plus an additional 3' of sidewalk that is removed as indicated on TR-004.</p>	
<b>Suggestion</b>	

# RFI Transmittal

**Request for Information #: YBM-0062**  
**SFMTA 3rd St Light Rail Prog**

**Response Required By: 3/4/2014**

**Initiated Date: 2/25/2014**

**Project # 01011.101760**

530 Bush Street  
Suite 302  
San Francisco, CA 94108  
Tel: 415-638-6052 Fax:

Printed on: 2/25/2014

## **Drawing Discrepancy / Clarification**

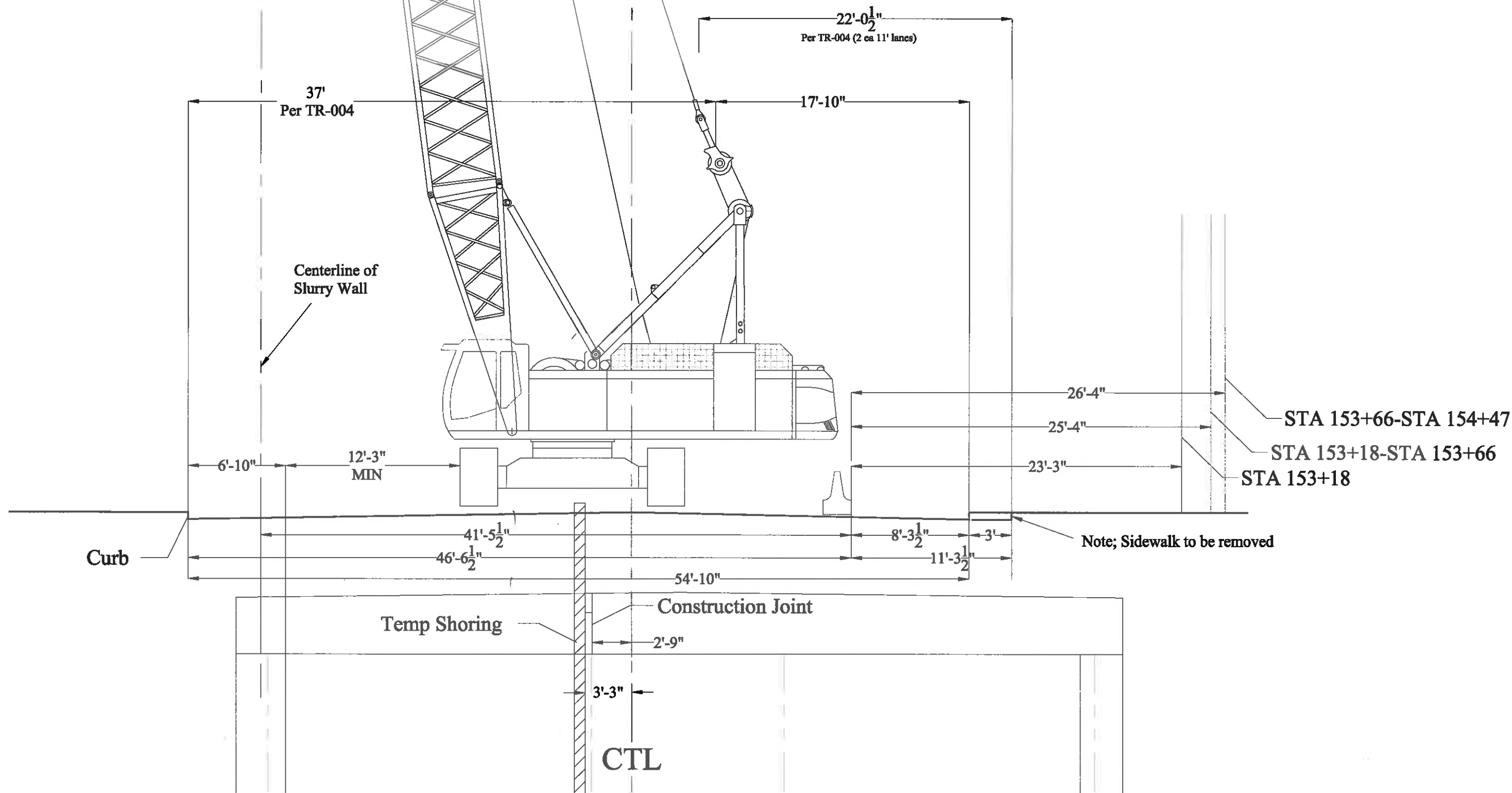
**Discipline:** Traffic

**Response**

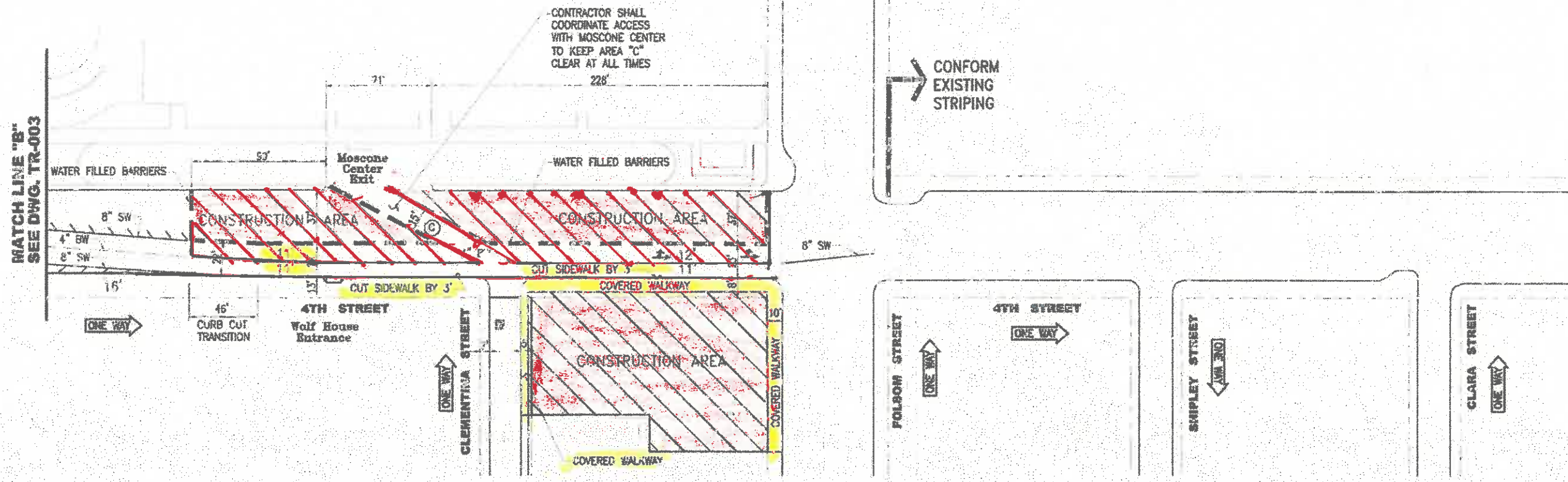
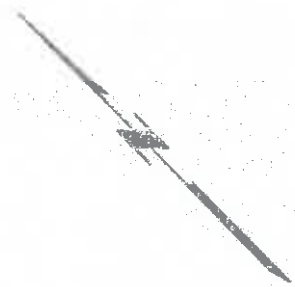
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**Answered By:** \_\_\_\_\_

**Date Answered:** \_\_\_\_\_



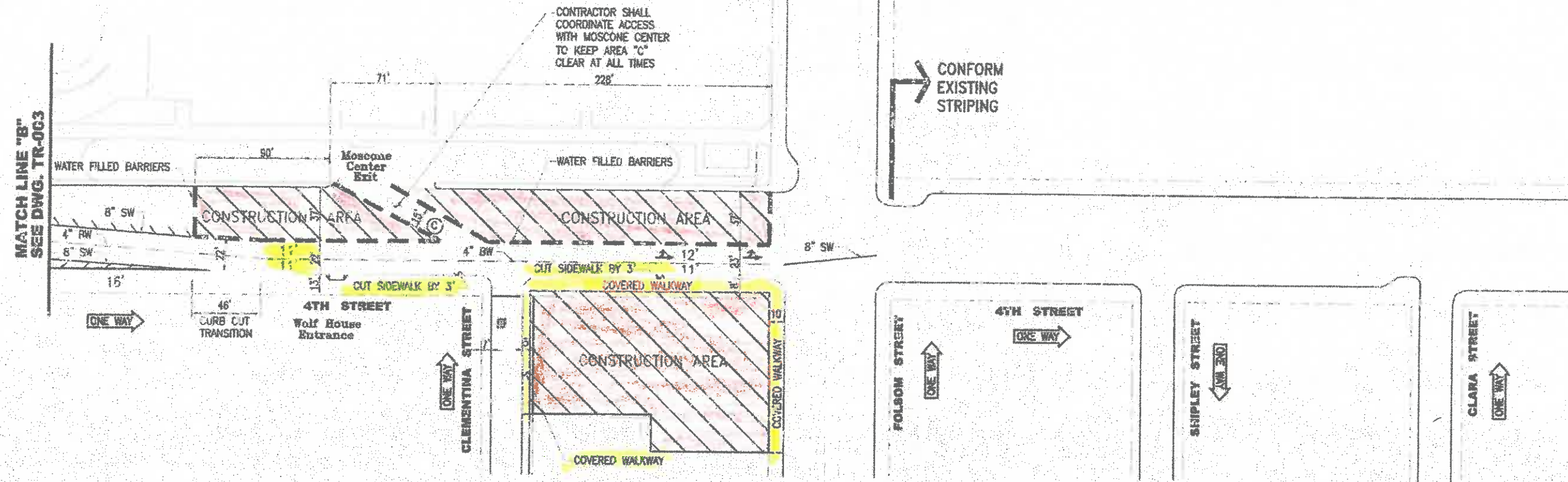
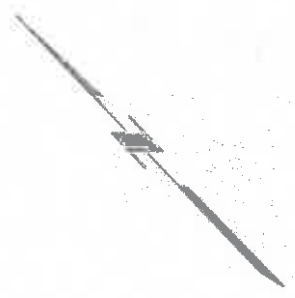
C:\projects\degs\Central Subway\M544\1\M544\1-CF2-7 contract 1251-1256\MOS (1256)\1255 MOS TR-003-004 PLAN A.dwg  
 awong3 Mon Aug 27, 2012 10:36 am Layout1



			CITY AND COUNTY OF SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY APPROVED  DIRECTOR OF TRANSPORTATION	THIRD STREET LIGHT RAIL PROGRAM PHASE 2 - CENTRAL SUBWAY MOSCONE STATION	1255
				TEMPORARY TRAFFIC ROUTING - PLAN A PHASE 2 (EAST SIDE WORK AREA) FOURTH ST - MISSION ST TO FOLSOM ST	TR-004 23

CONFORMED

WARNING: THIS DOCUMENT CONTAINS SENSITIVE SECURITY INFORMATION THAT IS CONTROLLED UNDER 49 CFR PARTS 15 AND 162. ANY PART OF IT IS NOT TO BE DISCLOSED TO PERSONS WITHOUT A "NEED TO KNOW" AS DEFINED BY 49 CFR PARTS 15 AND 162, EXCEPT WITH THE WRITTEN PERMISSION OF THE ADMINISTRATOR OF THE TRANSPORTATION SECURITY ADMINISTRATION OR THE SECRETARY OF TRANSPORTATION. UNAUTHORIZED RELEASE MAY RESULT IN CIVIL PENALTY OR OTHER ACTION.



NOTE: THE CONTRACTOR SHALL SUBMIT DETAIL DESIGN OF THE COVERED WALKWAY FOR APPROVAL.



C:\project dwgs\Central Subway M544.1\M544.1-CP2-7.contr\1251-1256\MOS (1255)\1255 MOS TR-003-004 PLAN A.dwg  
 onwg3 Mon Aug 27, 2012 10:28 am Layout1

			CITY AND COUNTY OF SAN FRANCISCO <b>MUNICIPAL TRANSPORTATION AGENCY</b> APPROVED  DIRECTOR OF TRANSPORTATION	THIRD STREET LIGHT RAIL PROGRAM PHASE 2 - CENTRAL SUBWAY MOSCONE STATION	1255
				TEMPORARY TRAFFIC ROUTING - PLAN A PHASE 2 (EAST SIDE WORK AREA) FOURTH ST - MISSION ST TO FOLSOM ST	TR-004 23 0

WARNING: THIS RECORD CONTAINS SENSITIVE SECURITY INFORMATION THAT IS CONTROLLED UNDER 49 CFR PARTS 15 AND 162. NO PART OF THIS RECORD MAY BE DISCLOSED TO PERSON WHO DOES NOT HAVE A "NEED TO KNOW" AS DEFINED BY 49 CFR PARTS 15 AND 162, EXCEPT WITH THE WRITTEN PERMISSION OF THE ADMINISTRATOR OF THE TRANSPORTATION SECURITY ADMINISTRATION OR THE SECRETARY OF TRANSPORTATION. UNAUTHORIZED RELEASE MAY RESULT IN CIVIL PENALTY OR OTHER ACTION.

CONFORMED



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

ITEM #	DISCUSSION	ACTION BY DUE DATE
1-	M. Benson and M. Leong presented for consideration Contract 1277 force account item <b>COR 01</b> - Demolish and remove unforeseen concrete structures under slab on grade. The CMB took exception to the information presented <b>requesting the CM team demonstrate how the inspector delineated contract work from extra work and to investigate the force account tickets against the inspector's daily reports.</b> No action was taken by the CMB on this item.	
2-	M. Leong presented Contract 1277 COR 02 - Demolition of the parapet wall. Contract work required the removal of the existing brick wall on the Southwest side of Pagoda Theater, would leave the adjacent parapet wall unsupported requiring removal as well. The <b>CMB agreed with merit</b> and costs associated with the different site condition for a Not to Exceed amount of \$8,054.88 <b>AGREE – CMB 0147.</b>	
3-	M. Leong presented Contract 1277 <b>COR 03</b> - Hauling and disposal of Styrofoam debris. Styrofoam was discovered inside the concrete of the interior stairway and embedded in the concrete floor of the Pagoda Theatre. It was necessary to dispose the material at Ox Mountain rather than the usual Brisbane dumpsite incurring an additional cost for transportation between the two sites. The <b>CMB took exception to the write - up of the merit evaluation requesting it include a better explanation of the "facts"</b> to be brought back to the next meeting. The CMB approved the costs associated with the different site condition for a Not to Exceed amount of \$4,307.78 <b>AGREE – CMB 0148.</b>	MB/MLe 02/12/14

ITEM #	DISCUSSION	ACTION BY DUE DATE
4-	M. Leong Contract 1277 <b>COR 04</b> - Sorting of materials at Bayland Soils Processing No action was taken by the CMB on this item. The <b>CMB requested the CM team revisit the defined scope of the COR.</b> Citing the Contractor cost for sorting of the material is contract work and the disposal of the hazmat work is part of the DSC. In addition the Contractor created a larger issue by not sorting the material on site.	
5-	M. Leong presented - FACO #10 - Slip line the existing 3'x5" sewer with a 16" HDPE pipe on Columbus Ave. No action was taken by the CMB on this item. Requesting confirmation of what needs to be done and verification of the physical function of the pipe to determine the most cost effective way to address the PUC's request.	
6-	J. Wang presented a proposed PCC 008 to modify contract 1300 plans - Impacts from Tunnel Lowering affecting the profile of track and overhead contact system between UMS and YBM, and the sump pump at cross passage 5. CMB agreed that the PCC should be forwarded to the Contractor for pricing and should include the quantity take-offs as part of the backup information.	
7-	R. Redmond and M. Vilcheck presented as an informational item the Contractor's proposed revised Traffic Control Plans which modifies the current Temporary Traffic Routing Plan A Phase 1 to accommodate the equipment for the installation of the slurry wall on the west side. The Contractor will be notified the traffic plan is conditionally approved, which can be rescinded if there is evidence of traffic being impacted.	
8-	R. Redmond presented for information CSDG Task 16 cost tracking report expended for the authorized six-month period of design support under contract 1300. The CMB directed the construction manager to continue to closely monitor the Task 16 budget and to authorize another 6 months of budget similar to the original authorization.	
9-	R. Redmond presented for discussion SFMTA CN 1300 Letter No. 0077 in response to the Contractor letter of CTS Utility Delay. SFMTA's letter stated the Contractor should follow the contract provisions, of demonstrating a time impact for review by SFMTA. (see attached).	
10-	R. Redmond notified the CMB of a potential DSC concerning four separate locations of street base collapse during potholing work a STS. The Contractor has determined the cause is due to the catch basin lateral leaking at the main connection in the middle of the street. The CM team was directed to notify the PUC of the issue letting them know we can make the fix or they need to dispatch an official to address the issue immediately.	

**ACTION ITEMS**

ITEM #	MTG DATE	MTG ACTION DATE	DESCRIPTION	BIC	DUE DATE	STATUS
8	07/24/13	07/24/13	1252 – Breakdown of Bid Item GE-3	MB	02/12/14	Open
2	08/14/13	08/14/13	1252 – CMod #8 (PSI strength) – Statement of occurrence post meeting record of approval which overrode CMB direction	SW	02/12/14	Open
1	08/28/13	08/28/13	1252 – Outstanding COR's – status update	SW/MB	02/12/14	Open
2 & 3	08/28/13	08/28/13	1252 – COR 97 & 98 – gravel encountered action plan from Engineering of Record (DP1)	SW/MB	02/12/14	Open

SFMTA Contract No. 1277

Contractor:

MH Construction Management Co.

## EVALUATION OF MERIT

### COR 003:

**Recommendation:** Accept justification of Merit for COR 003, for the following additional work:

- Hauling and disposal of Styrofoam debris discovered during demolition of the Pagoda Theater

There is no time extension requested or recommended for this work.

**Facts:** On August 22<sup>nd</sup>, 2013, while performing demolition of the Pagoda Theater a substantial layer of Styrofoam was found inside the concrete of the interior stairway. Later the contractor, MH Construction, discovered additional Styrofoam embedded in the concrete floor structures of the theater (i.e. ramps, elevator shafts, starter walls etc.). The contract documents do not indicate the presence of Styrofoam within the concrete of the Pagoda Theater. During the demolition process the Styrofoam debris was well mixed with the regular concrete construction debris and could not be separated, therefore, the materials had to be disposed of at Ox Mountain as the contractor's other preferred landfill (Brisbane Soils Processing) would not accept the materials.

A total of eight (8) loads, classified as construction debris (C&D), were disposed of on September 12<sup>th</sup>. A total of 109 of cubic yards were disposed of at a base rate of \$28 per cubic yard excluding environmental and fuel recovery fees. The loads contained Styrofoam mixed with concrete and other construction debris. The disposal tags are attached as a reference.

The additional work performed to haul and dispose of Styrofoam and mixed debris found within the Pagoda Theater was confirmed by SFMTA field personnel. The removal cost was the difference in disposal and transportation cost between Brisbane and Ox Mountain.

**Justification:** The contract documents do not indicate the presence of Styrofoam within the structures of the Pagoda Theater and therefore the Styrofoam is a differing site condition. City personnel have verified that the Styrofoam was required to be removed in order to continue with demolition of the Pagoda Theater.

RE has evaluated the conditions outlined in Article 3.04 and found that: conditions differ materially and conditions caused the scope of work to increase.

**Change Type:** (2) Unforeseen Condition

By:  \_\_\_\_\_ 2/26/14  
Mark Benson Date  
Construction Manager

 \_\_\_\_\_ 2-26-14  
Configuration Management Board Date  
Approval



08/22/2013 12:14



08/22/2013 12:16



08/22/2013 12:16



08/23/2013 08:26

Connecting people. Connecting communities.

**COR No. 003 Cost Estimate Summary**

**General Scope:**

-Hauling and disposal of Styrofoam debris discovered during demolition of the Pagoda Theater

**Total SFMTA Recommended Amount:**

Labor (L)	\$	-
Equipment (E)	\$	-
Material (M)	\$	557.08
Services (S)	\$	2,175.36
Prime - LM&E Markup - 15%	\$	83.56
Prime - S Markup - 5%	\$	108.77
Pollution Insurance - 1.394%	\$	61.71
Bond - 1.08%	\$	31.59
<b>Total Recommended Amount</b> (RE Recommended NTE Amount)	<b>\$</b>	<b>3,018.07</b>

**List of attached documents:**

Contractor Cost Proposal/SFMTA Estimated Cost Analysis  
 Estimated Material and Subcontractor Cost Breakdown  
 Supporting invoices/credit card statements/etc.



2/26/2014

Prepared By: Ben Volberding

Date:



2/26/2014

Checked By: Matt Hembd

Date:



1277 COR No. 003

1277 COR No. 003											
	No.	Activity Name	Hours (C)	Hours (EE)	Contractor (C) [REV 1]	SFMTA Engineer's Estimate (EE)	Delta (C-EE)	Summary of Delta	Negotiation Position	Negotiation Results	Amount
Labor	1	Labor (L)	-	-	\$ 1,520.00	\$ -	\$ 1,520.00	-MH including trucking costs in Labor category	Unilateral (SFMTA to use costs contained in SFMTA EE)	Unilateral (SFMTA to use costs contained in SFMTA EE)	\$ -
Equipment	1	Equipment (E)	-	-	\$ -	\$ -	\$ -	N/A	Unilateral (SFMTA to use costs contained in SFMTA EE)	Unilateral (SFMTA to use costs contained in SFMTA EE)	\$ -
Materials	1	Materials (M)			\$ 6,031.00	\$ 557.08	\$ 5,473.92	-MH including disposal costs with insufficient supporting documentation (such as trucking tags, receipts, etc.) -EE only Ox Mountain charges with supporting invoices -EE includes \$360/load credit in order to only include additional cost associated with dumping at Ox Mountain as opposed to Brisbane.	Unilateral (SFMTA to use costs contained in SFMTA EE)	Unilateral (SFMTA to use costs contained in SFMTA EE)	\$ 557.08
Services	1	Services (S)			\$ 3,625.60	\$ 2,175.36	\$ 1,450.24	-MH including disposal trucking with insufficient supporting documentation (such as trucking tags, receipts, etc.) -EE includes 40% deduction in order to only include additional trucking time associated with dumping at Ox Mountain as opposed to Brisbane (3 loads/day vs 5 loads/day)	Unilateral (SFMTA to use costs contained in SFMTA EE)	Unilateral (SFMTA to use costs contained in SFMTA EE)	\$ 2,175.36
OH&P Markup (LM&E - 15%)			\$		1,132.65	\$ 83.56	\$ 1,049.09			OH&P Markup (LM&E - 15%)	\$ 83.56
OH&P Markup (S - 5%)			\$		181.28	\$ 108.77	\$ 72.51			OH&P Markup (S - 5%)	\$ 108.77
Insurance Pollution (2.11%)			\$		240.30	\$ 61.71	\$ 178.58	MH provided SFMTA with documentation supporting actual insurance pollution markup of 1.394%		Insurance Pollution (1.394%)	\$ 61.71
Bond (1.08%)			\$		160.94	\$ 31.59	\$ 129.36			Bond (1.08%)	\$ 31.59
<b>Total</b>					\$ <b>12,891.77</b>	\$ <b>3,018.07</b>	\$ <b>9,873.70</b>			<b>Total Recommended Amount</b>	\$ <b>3,018.07</b>

Date	Material	Qty.	Unit		Disposal Fee
	<b>Ox Mountain Sanitary Disposal Charges</b>				
9/11/2013	Charge shown on credit card statement	<del>1</del>	Ea		<del>\$ 1,234.68</del>
9/12/2013	Charge shown on credit card statement	<del>1</del>	Ea		<del>\$ 441.09</del>
9/12/2013	Invoice 960349	13	CY		\$ 410.52
9/12/2013	Invoice 960361	15	CY		\$ 471.68
9/12/2013	Invoice 960375 (reduced from \$511.00 to match Ox Mtn. receipt)	12	CY		\$ 379.95
9/12/2013	Invoice 960396	14	CY		\$ 441.10
9/12/2013	Invoice 960523	14	CY		\$ 441.10
9/12/2013	Invoice 960527	15	CY		\$ 471.68
9/12/2013	Invoice 960531	14	CY		\$ 441.10
9/12/2013	Invoice 960571	12	CY		\$ 379.95
SUBTOTAL		109	CY		\$ 3,437.08
<b>SFMTA Calculated Cost (Total Ox Mountain cost less 8 loads at Brisbane's \$360/load Disposal Fee):</b>					<b>\$ 557.08</b>

Date	Services	Qty.	Unit	Unit Price	Extension
9/12/2013	<b>Economy Trucking Invoice</b>				
	Truck 51	9	Hours	\$ 88.00	\$ 792.00
	Truck 56	8.6	Hours	\$ 88.00	\$ 756.80
	Truck 52	7.3	Hours	\$ 88.00	\$ 642.40
	Truck 55	7.3	Hours	\$ 88.00	\$ 642.40
	Truck 53	9	Hours	\$ 88.00	\$ 792.00
SUBTOTAL					\$ 3,625.60
<b>SFMTA Calculated Cost (60% of trucking to account for longer haul route to Ox Mountain):</b>					<b>\$ 2,175.36</b>



August 23 - September 21, 2013  
Page 3 of 6

~~End of Period~~

Section	Posting Date	Description	Reference Number	Account Number	Amount	Total
<b>Purchases and Adjustments</b>						
		<del>WORLD US RESTAURANT CASH TRANSFER</del>	<del>2004</del>	<del>2004</del>	<del></del>	
		<del>WORLD US RESTAURANT CASH TRANSFER</del>	<del>2004</del>	<del>2004</del>	<del></del>	
		<del>WORLD US RESTAURANT CASH TRANSFER</del>	<del>2004</del>	<del>2004</del>	<del></del>	
		E17735702				
		<del>WORLD US RESTAURANT CASH TRANSFER</del>	<del>2004</del>	<del>2004</del>	<del>1,234.68</del>	
		<del>WORLD US RESTAURANT CASH TRANSFER</del>	<del>2004</del>	<del>2004</del>	<del></del>	
		<del>2046YDFI MHSWQ8WBQ5-0</del>	<del></del>	<del></del>	<del></del>	
		<del>APL APPLE ITUNES STORE 866-712-7753 CA</del>	<del>3440</del>	<del>9934</del>	<del>9.98</del>	
		<del>2049CBNS MH3WS954HY-D</del>	<del></del>	<del></del>	<del></del>	
08/11	09/12	OX MOUNTAIN SANITARY L 650-726-1819 CA	8835	9934	1,234.68	1,234.68
		000000092				
09/12	09/12	OX MOUNTAIN SANITARY L 650-726-1819 CA	7505	9934	410.52	410.52
		000000015				
08/12	09/13	OX MOUNTAIN SANITARY L 650-726-1819 CA	7638	9934	441.09	441.09
		000000027				
09/12	09/13	OX MOUNTAIN SANITARY L 650-726-1819 CA	7539	9934	471.68	471.68
		000000017				
09/12	09/13	OX MOUNTAIN SANITARY L 650-726-1819 CA	7552	9934	511.00	511.00
		000000021				
09/12	09/13	OX MOUNTAIN SANITARY L 650-726-1819 CA	7620	9934	0.01	0.01
		000000026				
09/12	09/13	OX MOUNTAIN SANITARY L 650-726-1819 CA	7844	9934	441.10	441.10
		000000050				
09/12	09/13	OX MOUNTAIN SANITARY L 650-726-1819 CA	7885	9934	441.10	441.10
		000000054				
09/12	09/13	OX MOUNTAIN SANITARY L 650-726-1819 CA	7869	9934	471.68	471.68
		000000052				
09/12	09/13	OX MOUNTAIN SANITARY L 650-726-1819 CA	8008	9934	379.95	379.95
		000000065				
09/12	09/13	OX MOUNTAIN SANITARY L 650-726-1819 CA	8016	9934	441.10	441.10
		000000066				
		F159D1B607				
		Y24ZNLFPZGP6				

reduced to \$379.95 to match Ox Mtn. receipt

09/21	09/21	Interest Charged			0.00	
09/21	09/21	Interest Charged on Purchases			0.00	
09/21	09/21	Interest Charged on Balance Transfers			0.00	
09/21	09/21	Interest Charged on Dir Dep&Chl CashAdv			0.00	
09/21	09/21	Interest Charged on Bank Cash Advances			0.00	
		TOTAL INTEREST FOR THIS PERIOD				50.00

2013 Total Year to Date	
Total fees charged in 2013	\$0.00
Total interest charged in 2013	\$196.26



**Backup provided by MH to backup disposal charges**

OX MOUNTAIN LANDFILL

66

960349

Half Moon Bay, CA 650-726-1819

MARCUS N.

000999  
CASH CUSTOMER  
12310 SAN MATEO ROAD  
HALF MOON BAY, CA 94019  
G-CNCR/ASP/MXAG

09-12-2013 8:29 am 09-12-2013 8:29 am  
9B88666  
PAGODA PL. CASH

MANUAL IN	GROSS WEIGHT	6,103	NET TONS	3.05	
SCALE OUT	TARE WEIGHT	0	NET WEIGHT	6,103	INBOUND

13.00	YD	C&D	SAN FRANCISCO	\$28.00	\$364.00	\$0.00	\$364.00
1.00		ENVIRONMENTAL FEE 1		\$13.00	\$13.00	\$0.00	\$13.00
1.00		FUEL RECOVERY FEE		9.21%	\$33.52	\$0.00	\$33.52

WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

	<u>Payment (s)</u>	
CREDIT CARD-SCALE	\$410.52	<b>\$410.52</b>
		\$410.52
		\$0.00
		VISA

OX MOUNTAIN LANDFILL

66

960349

Half Moon Bay, CA 650-726-1819

MARCUS N.

000999  
CASH CUSTOMER  
12310 SAN MATEO ROAD  
HALF MOON BAY, CA 94019  
G-CNCR/ASP/MXAG

09-12-2013 8:29 am 09-12-2013 8:29 am  
9B88666  
PAGODA PL. CASH

MANUAL IN	GROSS WEIGHT	6,103	NET TONS	3.05	
SCALE OUT	TARE WEIGHT	0	NET WEIGHT	6,103	INBOUND

13.00	YD	C&D	SAN FRANCISCO	\$28.00	\$364.00	\$0.00	\$364.00
1.00		ENVIRONMENTAL FEE 1		\$13.00	\$13.00	\$0.00	\$13.00
1.00		FUEL RECOVERY FEE		9.21%	\$33.52	\$0.00	\$33.52

WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

	<u>Payment (s)</u>	
CREDIT CARD-SCALE	\$410.52	<b>\$410.52</b>
		\$410.52
		\$0.00
		VISA

**Backup provided by MH to backup disposal charges**

OX MOUNTAIN LANDFILL

66

960361

Half Moon Bay, CA 650-726-1819

MARCUS N.

000999  
CASH CUSTOMER  
12310 SAN MATEO ROAD  
HALF MOON BAY, CA 94019  
G-CNCR/ASP/MXAG

09-12-2013 8:53 am 09-12-2013 8:53 am  
TRUCK2  
PAGODA PL CASH

MANUAL IN	GROSS WEIGHT	7,042	NET TONS	3.52	
SCALE OUT	TARE WEIGHT	0	NET WEIGHT	7,042	INBOUND

15.00	YD	C&D	SAN FRANCISCO	\$28.00	\$420.00	\$0.00	\$420.00
1.00		ENVIRONMENTAL FEE 1		\$13.00	\$13.00	\$0.00	\$13.00
1.00		FUEL RECOVERY FEE		9.21%	\$38.68	\$0.00	\$38.68

WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

	<u>Payment (s)</u>	
CREDIT CARD-SCALE	\$471.68	<b>\$471.68</b>
		\$471.68
		\$0.00
		VISA

OX MOUNTAIN LANDFILL

66

960361

Half Moon Bay, CA 650-726-1819

MARCUS N.

000999  
CASH CUSTOMER  
12310 SAN MATEO ROAD  
HALF MOON BAY, CA 94019  
G-CNCR/ASP/MXAG

09-12-2013 8:53 am 09-12-2013 8:53 am  
TRUCK2  
PAGODA PL CASH

MANUAL IN	GROSS WEIGHT	7,042	NET TONS	3.52	
SCALE OUT	TARE WEIGHT	0	NET WEIGHT	7,042	INBOUND

15.00	YD	C&D	SAN FRANCISCO	\$28.00	\$420.00	\$0.00	\$420.00
1.00		ENVIRONMENTAL FEE 1		\$13.00	\$13.00	\$0.00	\$13.00
1.00		FUEL RECOVERY FEE		9.21%	\$38.68	\$0.00	\$38.68

WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

	<u>Payment (s)</u>	
CREDIT CARD-SCALE	\$471.68	<b>\$471.68</b>
		\$471.68
		\$0.00
		VISA

**Backup provided by MH to backup disposal charges**

OX MOUNTAIN LANDFILL

66

960375

Half Moon Bay, CA 650-726-1819

MARCUS N.

000999  
CASH CUSTOMER  
12310 SAN MATEO ROAD  
HALF MOON BAY, CA 94019  
G-CNCR/ASP/MXAG

09-12-2013 9:09 am 09-12-2013 9:09 am  
9B88651  
PAGODA PL CASH

MANUAL IN	GROSS WEIGHT	5,634	NET TONS	2.82	
SCALE OUT	TARE WEIGHT	0	NET WEIGHT	5,634	INBOUND

12.00	YD	C&D	SAN FRANCISCO	\$28.00	\$336.00	\$0.00	\$336.00
1.00		ENVIRONMENTAL FEE 1		\$13.00	\$13.00	\$0.00	\$13.00
1.00		FUEL RECOVERY FEE		9.21%	\$30.95	\$0.00	\$30.95

WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

Payment (s)

CREDIT CARD-SCALE \$379.95

\$379.95

\$511.00

\$131.05

VISA

OX MOUNTAIN LANDFILL

66

960375

Half Moon Bay, CA 650-726-1819

MARCUS N.

000999  
CASH CUSTOMER  
12310 SAN MATEO ROAD  
HALF MOON BAY, CA 94019  
G-CNCR/ASP/MXAG

09-12-2013 9:09 am 09-12-2013 9:09 am  
9B88651  
PAGODA PL CASH

MANUAL IN	GROSS WEIGHT	5,634	NET TONS	2.82	
SCALE OUT	TARE WEIGHT	0	NET WEIGHT	5,634	INBOUND

12.00	YD	C&D	SAN FRANCISCO	\$28.00	\$336.00	\$0.00	\$336.00
1.00		ENVIRONMENTAL FEE 1		\$13.00	\$13.00	\$0.00	\$13.00
1.00		FUEL RECOVERY FEE		9.21%	\$30.95	\$0.00	\$30.95

WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

Payment (s)

CREDIT CARD-SCALE \$379.95

\$379.95

\$511.00

\$131.05

VISA

**Backup provided by MH to backup disposal charges**

OX MOUNTAIN LANDFILL

66

960396

Half Moon Bay, CA 650-726-1819

MARCUS N.

000999  
CASH CUSTOMER  
12310 SAN MATEO ROAD  
HALF MOON BAY, CA 94019  
G-CNCR/ASP/MXAG

09-12-2013 9:37 am 09-12-2013 9:37 am  
9C33329  
PAGODA PL CASH

MANUAL IN	GROSS WEIGHT	6,573	NET TONS	3.29	
SCALE OUT	TARE WEIGHT	0	NET WEIGHT	6,573	INBOUND

14.00	YD	C&D	SAN FRANCISCO	\$28.00	\$392.00	\$0.00	\$392.00
1.00		ENVIRONMENTAL FEE 1		\$13.00	\$13.00	\$0.00	\$13.00
1.00		FUEL RECOVERY FEE		9.21%	\$36.10	\$0.00	\$36.10

WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

	<u>Payment (s)</u>	
CREDIT CARD-SCALE	\$441.10	\$441.10
		\$0.00
		VISA

OX MOUNTAIN LANDFILL

66

960396

Half Moon Bay, CA 650-726-1819

MARCUS N.

000999  
CASH CUSTOMER  
12310 SAN MATEO ROAD  
HALF MOON BAY, CA 94019  
G-CNCR/ASP/MXAG

09-12-2013 9:37 am 09-12-2013 9:37 am  
9C33329  
PAGODA PL CASH

MANUAL IN	GROSS WEIGHT	6,573	NET TONS	3.29	
SCALE OUT	TARE WEIGHT	0	NET WEIGHT	6,573	INBOUND

14.00	YD	C&D	SAN FRANCISCO	\$28.00	\$392.00	\$0.00	\$392.00
1.00		ENVIRONMENTAL FEE 1		\$13.00	\$13.00	\$0.00	\$13.00
1.00		FUEL RECOVERY FEE		9.21%	\$36.10	\$0.00	\$36.10

WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

	<u>Payment (s)</u>	
CREDIT CARD-SCALE	\$441.10	\$441.10
		\$0.00
		VISA

**Backup provided by MH to backup disposal charges**

OX MOUNTAIN LANDFILL

66

960523

Half Moon Bay, CA 650-726-1819

MARCUS N.

000999  
CASH CUSTOMER  
12310 SAN MATEO ROAD  
HALF MOON BAY, CA 94019  
G-CNCR/ASP/MXAG

09-12-2013 12:24 pm 09-12-2013 12:24 pm  
9B88666  
PAGODA PL CASH

MANUAL IN	GROSS WEIGHT	6,573	NET TONS	3.29	
SCALE OUT	TARE WEIGHT	0	NET WEIGHT	6,573	INBOUND

14.00	YD	C&D	SAN FRANCISCO	\$28.00	\$392.00	\$0.00	\$392.00
1.00		ENVIRONMENTAL FEE 1		\$13.00	\$13.00	\$0.00	\$13.00
1.00		FUEL RECOVERY FEE		9.21%	\$36.10	\$0.00	\$36.10

WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

	<u>Payment (s)</u>	
CREDIT CARD-SCALE	\$441.10	\$441.10
		\$0.00

OX MOUNTAIN LANDFILL

66

960523

Half Moon Bay, CA 650-726-1819

MARCUS N.

000999  
CASH CUSTOMER  
12310 SAN MATEO ROAD  
HALF MOON BAY, CA 94019  
G-CNCR/ASP/MXAG

09-12-2013 12:24 pm 09-12-2013 12:24 pm  
9B88666  
PAGODA PL CASH

MANUAL IN	GROSS WEIGHT	6,573	NET TONS	3.29	
SCALE OUT	TARE WEIGHT	0	NET WEIGHT	6,573	INBOUND

14.00	YD	C&D	SAN FRANCISCO	\$28.00	\$392.00	\$0.00	\$392.00
1.00		ENVIRONMENTAL FEE 1		\$13.00	\$13.00	\$0.00	\$13.00
1.00		FUEL RECOVERY FEE		9.21%	\$36.10	\$0.00	\$36.10

WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

	<u>Payment (s)</u>	
CREDIT CARD-SCALE	\$441.10	\$441.10
		\$441.10
		\$0.00



**Backup provided by MH to backup disposal charges**

OX MOUNTAIN LANDFILL

66

960527

Half Moon Bay, CA 650-726-1819

MARCUS N.

000999  
CASH CUSTOMER  
12310 SAN MATEO ROAD  
HALF MOON BAY, CA 94019  
G-CNCR/ASP/MXAG

09-12-2013 12:28 pm 09-12-2013 12:28 pm  
9E04954H

CASH

MANUAL IN	GROSS WEIGHT	7,042	NET TONS	3.52	
SCALE OUT	TARE WEIGHT	0	NET WEIGHT	7,042	INBOUND

15.00	YD	C&D	SAN FRANCISCO	\$28.00	\$420.00	\$0.00	\$420.00
1.00		ENVIRONMENTAL FEE 1		\$13.00	\$13.00	\$0.00	\$13.00
1.00		FUEL RECOVERY FEE		9.21%	\$38.68	\$0.00	\$38.68

WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

	<u>Payment (s)</u>	
CREDIT CARD-SCALE	\$471.68	<b>\$471.68</b>
		\$471.68
		\$0.00
		035075

OX MOUNTAIN LANDFILL

66

960527

Half Moon Bay, CA 650-726-1819

MARCUS N.

000999  
CASH CUSTOMER  
12310 SAN MATEO ROAD  
HALF MOON BAY, CA 94019  
G-CNCR/ASP/MXAG

09-12-2013 12:28 pm 09-12-2013 12:28 pm  
9E04954H

CASH

MANUAL IN	GROSS WEIGHT	7,042	NET TONS	3.52	
SCALE OUT	TARE WEIGHT	0	NET WEIGHT	7,042	INBOUND

15.00	YD	C&D	SAN FRANCISCO	\$28.00	\$420.00	\$0.00	\$420.00
1.00		ENVIRONMENTAL FEE 1		\$13.00	\$13.00	\$0.00	\$13.00
1.00		FUEL RECOVERY FEE		9.21%	\$38.68	\$0.00	\$38.68

WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

	<u>Payment (s)</u>	
CREDIT CARD-SCALE	\$471.68	<b>\$471.68</b>
		\$471.68
		\$0.00
		035075

**Backup provided by MH to backup disposal charges**

OX MOUNTAIN LANDFILL

66

960531

Half Moon Bay, CA 650-726-1819

MARCUS N.

000999  
CASH CUSTOMER  
12310 SAN MATEO ROAD  
HALF MOON BAY, CA 94019  
G-CNCR/ASP/MXAG

09-12-2013 12:32 pm 09-12-2013 12:32 pm  
9B88651  
PAGODA PL CASH

MANUAL IN	GROSS WEIGHT	6,573	NET TONS	3.29	
SCALE OUT	TARE WEIGHT	0	NET WEIGHT	6,573	INBOUND

14.00	YD	C&D	SAN FRANCISCO	\$28.00	\$392.00	\$0.00	\$392.00
1.00		ENVIRONMENTAL FEE 1		\$13.00	\$13.00	\$0.00	\$13.00
1.00		FUEL RECOVERY FEE		9.21%	\$36.10	\$0.00	\$36.10

WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

	<u>Payment (s)</u>	
CREDIT CARD-SCALE	\$441.10	\$441.10
		\$0.00
		VISA

OX MOUNTAIN LANDFILL

66

960531

Half Moon Bay, CA 650-726-1819

MARCUS N.

000999  
CASH CUSTOMER  
12310 SAN MATEO ROAD  
HALF MOON BAY, CA 94019  
G-CNCR/ASP/MXAG

09-12-2013 12:32 pm 09-12-2013 12:32 pm  
9B88651  
PAGODA PL CASH

MANUAL IN	GROSS WEIGHT	6,573	NET TONS	3.29	
SCALE OUT	TARE WEIGHT	0	NET WEIGHT	6,573	INBOUND

14.00	YD	C&D	SAN FRANCISCO	\$28.00	\$392.00	\$0.00	\$392.00
1.00		ENVIRONMENTAL FEE 1		\$13.00	\$13.00	\$0.00	\$13.00
1.00		FUEL RECOVERY FEE		9.21%	\$36.10	\$0.00	\$36.10

WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

	<u>Payment (s)</u>	
CREDIT CARD-SCALE	\$441.10	\$441.10
		\$0.00
		VISA

**Backup provided by MH to backup disposal charges**

OX MOUNTAIN LANDFILL

66

960571

Half Moon Bay, CA 650-726-1819

MARCUS N.

000999  
CASH CUSTOMER  
12310 SAN MATEO ROAD  
HALF MOON BAY, CA 94019  
G-CNCR/ASP/MXAG

09-12-2013 1:30 pm 09-12-2013 1:30 pm  
TRUCK1  
PAGODA PALACE/MH CONSTRUCTION CASH

MANUAL IN	GROSS WEIGHT	5,634	NET TONS	2.82	
SCALE OUT	TARE WEIGHT	0	NET WEIGHT	5,634	INBOUND

12.00	YD	C&D	SAN FRANCISCO	\$28.00	\$336.00	\$0.00	\$336.00
1.00		ENVIRONMENTAL FEE 1		\$13.00	\$13.00	\$0.00	\$13.00
1.00		FUEL RECOVERY FEE		9.21%	\$30.95	\$0.00	\$30.95

WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

	<u>Payment (s)</u>	
CREDIT CARD-SCALE	\$379.95	\$379.95
		\$0.00

OX MOUNTAIN LANDFILL

66

960571

Half Moon Bay, CA 650-726-1819

MARCUS N.

000999  
CASH CUSTOMER  
12310 SAN MATEO ROAD  
HALF MOON BAY, CA 94019  
G-CNCR/ASP/MXAG

09-12-2013 1:30 pm 09-12-2013 1:30 pm  
TRUCK1  
PAGODA PALACE/MH CONSTRUCTION CASH

MANUAL IN	GROSS WEIGHT	5,634	NET TONS	2.82	
SCALE OUT	TARE WEIGHT	0	NET WEIGHT	5,634	INBOUND

12.00	YD	C&D	SAN FRANCISCO	\$28.00	\$336.00	\$0.00	\$336.00
1.00		ENVIRONMENTAL FEE 1		\$13.00	\$13.00	\$0.00	\$13.00
1.00		FUEL RECOVERY FEE		9.21%	\$30.95	\$0.00	\$30.95

WEIGHMASTER CERTIFICATE - This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

	<u>Payment (s)</u>	
CREDIT CARD-SCALE	\$379.95	\$379.95
		\$379.95
		\$0.00

Backup provided by MH to backup trucking charges

Economy Trucking  
P. O. Box 1603  
Union City, Ca 94587  
510-733-9100

Date: 09/16/13  
Invoice No: 0028257  
Account No: 01604  
Job: 1604/16  
1790 POWELL ST.SAN FRANCI  
From: 1790 POWELL ST.SF  
To: AS DIRECTED

MBC INC.  
2436 DOUGLAS ST.  
SAN PABLO, CA 94806  
510-778-4588

Commodity:  
Terms: 30 DAYS

Date	Fr Bill No	Weight Tag	Truck	Bill Of Lad	Net Weight	Quantity	Units	Rate	Amount
09/12/13	142132		51			9.000	Hours	88.0000	792.00
09/12/13	143053		56			8.600	Hours	88.0000	756.80
09/12/13	144752		52			7.300	Hours	88.0000	642.40
09/12/13	144807		55			7.300	Hours	88.0000	642.40
09/12/13	148265		53			9.000	Hours	88.0000	792.00
				FREIGHT		41.200	Hours		3,625.60
				Sub Total			Loads		3,625.60
Please Pay This Amount									3,625.60

# Economy Trucking Services, Inc.

P.O. Box 525  
 Union City, CA 94587  
 Phone (510) 733-9100  
 Fax (510) 733-9600  
 CA #0293659

142132

OFFICE COPY

S M T W T F S



Got Dirt?

DBE, MBE, WBE, UDBE

DATE 7-12-13

TRUCK # 51 TRAILER # 512 ACCOUNT NUMBER \_\_\_\_\_

PRIME CARRIER <u>Ames just trucking</u>	SUB HAULER <u>Ames just trucking</u>	
CONTRACTOR <u>MRC INC</u>	JOB NO	MATERIAL <u>Banking</u>
POINT OF ORIGIN <u>1719 POWELL ST</u>	DESTINATION <u>San Francisco</u>	MATERIAL CHARGE TO <u>11-11-13</u>
CITY <u>San Francisco CA</u>	CITY <u>San Francisco CA</u>	

NO	MATERIALS		LOADING			UNLOADING			NO. AXLES	EQUIPMENT	EQUIPMENT RATES	TIRE MAKE CAPACITY
	SCALE TAG NO.	YARDS OR WEIGHT	TIME ARRIVE	TIME LEAVE	NET STAY BY	TIME ARRIVE	TIME LEAVE	NET STAY BY				
1	96349	11.4	7-13	7-13	7-35	7-45			<input type="checkbox"/> Semi Equip	<input type="checkbox"/> 40-60-100	<input type="checkbox"/> 40-60-100	
2	96352	11.4	7-13	7-13	7-35	7-45			<input type="checkbox"/> Semi Equip	<input type="checkbox"/> 40-60-100	<input type="checkbox"/> 40-60-100	
3	55928	11.4	7-13	7-13	7-35	7-45			<input type="checkbox"/> Semi Equip	<input type="checkbox"/> 40-60-100	<input type="checkbox"/> 40-60-100	
4												
5												
6												
7												
OFFICE USE ONLY												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
START TIME	STOP TIME	DEDUCT TIME	NET TIME		TOTAL CHARGES							
7:45	4:00	3:00	4:15		\$							

RECEIVED BY  
X [Signature]

ALL BILLS ARE DUE AND PAYABLE BY THE 10TH OF THE MONTH. A 1% PER MONTH CHARGE ON PAST DUE ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 12%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY FEES FOR COLLECTION.

THESE CHARGES INCLUDE (1) FEES TO PAY FOR REGISTRATION OF TRANSPORTATION COMPANIES BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION AND (2) TAXES AND 1/2% CALIFORNIA CITYES SURTAX OR EXCESS OR BUSINESS LICENSE TAXES THEY COULD OTHERWISE IMPOSE.

NOTICE Our drivers will make every effort to place material where customer designates, but the company assumes no responsibility for damages (SIDE CURB OR PROPERTY) OR NO CLAIM ALLOWED UNLESS MADE WHEN MATERIAL IS DELIVERED AND RECEIPTED FOR. ECONOMY TRUCKING IS NOT RESPONSIBLE FOR OVER WEIGHT LOADS OR TICKET.

**Economy Trucking Services, Inc.**

P.O. Box 525  
 Union City, CA 94587  
 Phone (510) 733-9100  
 Fax (510) 733-9600  
 CA #0293659

143053

OFFICE COPY

S M T W T F S



Got Dirt?

DBE, MBE, WBE, UDBE

DATE 7-12-13

TRUCK # 50 TRAILER # 322 ACCOUNT NUMBER 151

PRIME CARRIER Economy T. SUB HAULER  
 CONTRACTOR M.H. LONGT. JOB NO. A4101 T MATERIAL BRICKS  
 POINT OF ORIGIN 1717 Powell St DESTINATION OX-151N MATERIAL CHARGE TO PAGOLA PINE  
 CITY 5404 Franklin St CITY HALE MOON BAY, LA

NO	SCALE TAG NO.	YARDS OR WEIGHT	LOADING			UNLOADING			NET STAY BY	TYPE OF EQUIPMENT	DISTANCE BETWEEN AXLES	CURB YARD CAPACITY
			TIME ARRIVE	TIME LEAVE	NET STAY BY	TIME ARRIVE	TIME LEAVE	NET STAY BY				
1	9603705	20000	7:30	7:42	7:05	9:25			<input type="checkbox"/> Self-Steer	<input type="checkbox"/> 40' Wheel	<input type="checkbox"/> Hybrid	
2	9603331		10:40	11:00	11:15	12:45			<input type="checkbox"/> Self-Steer	<input type="checkbox"/> 30' Wheel	<input type="checkbox"/> Hybrid	
3	50127	20000	2:15	2:45	3:21	3:35			<input type="checkbox"/> Double Drive	<input type="checkbox"/> Flat Bed	<input type="checkbox"/> Hybrid	
4			4:00									
5												
6	2 Loads											
7												
8	1 load											
9												
10												
11												
12	3 Loads											
13												
14												
15												
16												
17												
18												
19												
START TIME <u>7:30 AM</u> STOP TIME <u>4:05 PM</u> DEDUCT TIME <u>1:35</u> NET TIME <u>8:35 AM</u>									TOTAL CHARGES \$			

OFFICE USE ONLY

DR TO  
 TOTAL HOURS, LOADS OR TONS  
 RATE PER HOUR, LOAD OR TON \$  
 SUBTOTAL \$  
 STAND BY TIME  
 DUMPS  
 MATERIAL  
 SURCHARGE  
 BRIDGE FARE \$  
 TOTAL CHARGES \$

RECEIVED BY X

ALL BILLS ARE DUE AND PAYABLE BY THE 10TH OF THE MONTH. 4% PER MONTH CHARGED ON PAST DUE ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 34%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

THESE CHARGES INCLUDE (1) FEES TO PAY FOR REGULATION OF TRANSPORTATION COMPANIES BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION AND (2) TAXES PAID TO CALIFORNIA CITIES INSTEAD OF EXCISE OR BUSINESS LICENSE TAXES THEY COULD OTHERWISE IMPOSE.

NOTICE: OUR DRIVERS WILL MAKE EVERY EFFORT TO PLACE MATERIAL WHERE CUSTOMER DESIGNATES, BUT THE COMPANY ASSUMES NO RESPONSIBILITY FOR DAMAGES INSIDE CURB OR PROPERTY LINE. NO CLAIMS ALLOWED UNLESS MADE WHEN MATERIAL IS DELIVERED AND RECEIPTED FOR. ECONOMY TRUCKING IS NOT RESPONSIBLE FOR OVER WEIGHT LOADS OR TICKET.

CHP USE ONLY START TIME \_\_\_\_\_ FINISH TIME \_\_\_\_\_ TOTAL TIME \_\_\_\_\_

# Economy Trucking Services, Inc.

P.O. Box 525  
 Union City, CA 94587  
 Phone (510) 733-9100  
 Fax (510) 733-9600  
 CA #0293659

144752\*

DELIVERY RECEIPT

S M T W T F S



Got Dirt?

DBE, MBE, WBE, UDBE

DATE 11/2/11

TRUCK #	TRAILER #	ACCOUNT NUMBER
PRIME CARRIER	SUB HAULER	
CONTRACTOR	JOB NO.	MATERIAL
POINT OF ORIGIN	DESTINATION	MATERIAL CHARGE TO
CITY	CITY	

MATERIALS			LOADING			UNLOADING			NO. AXLES	TYPE OF EQUIPMENT	DIS. HOURS BETWEEN SALES	CLASS. CODE								
ID	SCALE TAG NO.	YARDS OR WEIGHT	TIME ARRIVE	TIME LEAVE	SET UP BY	TIME ARRIVE	TIME LEAVE	SET UP BY												
1	960571		7:55	8:30		7:55	10:00		<input type="checkbox"/> Semi Trailer	<input type="checkbox"/> 10 Minutes	<input type="checkbox"/> Heavy									
2	960571		11:30	12:00		11:30	1:00		<input type="checkbox"/> Semi Trailer	<input type="checkbox"/> 10 Minutes	<input type="checkbox"/> Heavy									
3									<input type="checkbox"/> Double Trailer	<input type="checkbox"/> 10 Minutes	<input type="checkbox"/> Heavy									
4									<input type="checkbox"/> Double Trailer	<input type="checkbox"/> 10 Minutes	<input type="checkbox"/> Heavy									
5									<input type="checkbox"/> Double Trailer	<input type="checkbox"/> 10 Minutes	<input type="checkbox"/> Heavy									
6									<input type="checkbox"/> Double Trailer	<input type="checkbox"/> 10 Minutes	<input type="checkbox"/> Heavy									
7									<input type="checkbox"/> Double Trailer	<input type="checkbox"/> 10 Minutes	<input type="checkbox"/> Heavy									
8									<input type="checkbox"/> Double Trailer	<input type="checkbox"/> 10 Minutes	<input type="checkbox"/> Heavy									
9									<input type="checkbox"/> Double Trailer	<input type="checkbox"/> 10 Minutes	<input type="checkbox"/> Heavy									
10									<input type="checkbox"/> Double Trailer	<input type="checkbox"/> 10 Minutes	<input type="checkbox"/> Heavy									
11									<input type="checkbox"/> Double Trailer	<input type="checkbox"/> 10 Minutes	<input type="checkbox"/> Heavy									
12									<input type="checkbox"/> Double Trailer	<input type="checkbox"/> 10 Minutes	<input type="checkbox"/> Heavy									
13									<input type="checkbox"/> Double Trailer	<input type="checkbox"/> 10 Minutes	<input type="checkbox"/> Heavy									
14									<input type="checkbox"/> Double Trailer	<input type="checkbox"/> 10 Minutes	<input type="checkbox"/> Heavy									
15									<input type="checkbox"/> Double Trailer	<input type="checkbox"/> 10 Minutes	<input type="checkbox"/> Heavy									
16									<input type="checkbox"/> Double Trailer	<input type="checkbox"/> 10 Minutes	<input type="checkbox"/> Heavy									
17									<input type="checkbox"/> Double Trailer	<input type="checkbox"/> 10 Minutes	<input type="checkbox"/> Heavy									
18									<input type="checkbox"/> Double Trailer	<input type="checkbox"/> 10 Minutes	<input type="checkbox"/> Heavy									
19									<input type="checkbox"/> Double Trailer	<input type="checkbox"/> 10 Minutes	<input type="checkbox"/> Heavy									
START TIME									STOP TIME			DEDUCT TIME			NET TIME			TOTAL CHARGES \$		

OFFICE USE ONLY

BILL TO	
TOTAL HOURS, LOADS OR TONS	13
RATE PER HOUR, LOAD OR TON	\$
SUBTOTAL	\$
STAND BY TIME	
DUMPS	
MATERIAL	
SURCHARGE	
BRIDGE FARE	\$
TOTAL CHARGES	\$

RECEIVED BY  
 X

ALL BILLS ARE DUE AND PAYABLE BY THE 10TH OF THE MONTH. A 1% PER MONTH CHARGE ON PAID OVER ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 12%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

THESE CHARGES INCLUDE (1) FEES TO PAY FOR REGULATION OF TRANSPORTATION COMPANIES BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION AND (2) TAXES PAID TO CALIFORNIA CITIES INSTEAD OF EMPLOYER'S BUSINESS LICENSE TAXES THEY COULD OTHERWISE AVOID.

NOTICE: OUR DRIVERS WILL MAKE EVERY EFFORT TO PLACE MATERIAL WHERE CUSTOMER DESIGNATES, BUT THE COMPANY ASSUMES NO RESPONSIBILITY FOR DAMAGES WOULD CURB OR PROPERTY TIME. NO CLAIMS ALLOWED UNLESS MADE WHEN MATERIAL IS DELIVERED AND RECEIVED FOR. ECONOMY TRUCKING IS NOT RESPONSIBLE FOR OVER WEIGHT LOADS OR TIRING.

## Economy Trucking Services, Inc.

P.O. Box 525  
 Union City, CA 94587  
 Phone (510) 733-9100  
 Fax (510) 733-9600  
 CA #0293659

144807

DELIVERY RECEIPT

S M T W T F S



Got Dirt?

**DBE, MBE, WBE, UDBE**

DATE \_\_\_\_\_

TRUCK # _____	TRAILER # _____	ACCOUNT NUMBER _____
PRIME CARRIER _____	SUB HAULER _____	
CONTRACTOR _____	JOB NO. _____	MATERIAL _____
POINT OF ORIGIN _____	DESTINATION _____	MATERIAL CHARGE TO _____
CITY _____	CITY _____	

NO	MATERIALS		LOADING			UNLOADING			NO. AXLES TYPE OF EQUIPMENT	DISTANCE BETWEEN AXLES	CUBE FEET CARGO
	SCALE TAG NO.	YARDS OR WEIGHT	TIME ARRIVE	TIME LEAVE	NET STAND BY	TIME ARRIVE	TIME LEAVE	NET STAND BY			
1									<input type="checkbox"/> Semi Trailer <input type="checkbox"/> Semi Truck <input type="checkbox"/> Stake Bed	<input type="checkbox"/> 16 Wheel <input type="checkbox"/> Super Dump <input type="checkbox"/> Flat Bed	<input type="checkbox"/> Angles <input type="checkbox"/> Rebar
2									TIME STARTED LAST LOAD		
3									TIME ARRIVED TO DUMP LAST LOAD		
4									NET RUNNING TIME LAST LOAD		
5									TIME FINISHED DUMP LAST LOAD		
6									TIME ALLOWED TO RETURN SAME GROSS RUNNING TIME LAST LOAD		
7									<b>OFFICE USE ONLY</b>		
8									BILL TO		
10									TOTAL HOURS, LOADS OR TONS		12
11									RATE PER HOUR, LOAD OR TON		\$
12									SUBTOTAL		\$
13									STAND BY TIME		
14									DUMPS		
15									MATERIAL		
16									SURCHARGE		
18									BRIDGE FARE		\$
19									TOTAL CHARGES		\$
START TIME			STOP TIME			DEDUCT TIME			NET TIME		
7:00			3:00			1:00			7:00		



RECEIVED BY \_\_\_\_\_  
 X

ALL BILLS ARE DUE AND PAYABLE BY THE 10TH OF THE MONTH 2.5% PER MONTH CHARGED ON PAST DUE ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 30%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

THESE CHARGES INCLUDE (1) FEES TO PAY FOR REGULATION OF TRANSPORTATION COMPANIES BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION AND (2) TAXES PAID TO CALIFORNIA CITIES INSTEAD OF EXCISE OR BUSINESS LICENSE TAXES THEY COULD OTHERWISE INCURE.

**NOTICE** OUR DRIVERS WILL MAKE EVERY EFFORT TO PLACE MATERIAL WHERE CUSTOMER DESIGNATES, BUT THE COMPANY ASSUMES NO RESPONSIBILITY FOR DAMAGES INSIDE CURB OR PROPERTY LINE. NO CLAIMS ALLOWED UNLESS MADE WHEN MATERIAL IS DELIVERED AND PROCESSED FOR. ECONOMY TRUCKING IS NOT RESPONSIBLE FOR OVER WEIGHT LOADS OR TICKET.



# Economy Trucking Services, Inc.

P.O. Box 525  
 Union City, CA 94587  
 Phone (510) 733-9100  
 Fax (510) 733-9600  
 CA #0293659

148265

OFFICE COPY

S M T W T F S



Got Dirt?

DBE, MBE, WBE, UDBe

DATE 9-12-13

TRUCK # 53 TRAILER # \_\_\_\_\_ ACCOUNT NUMBER \_\_\_\_\_

PRIME CARRIER <u>ECONOMY TRUCKING S</u>	SUB HAULER
CONTRACTOR <u>MBC INC</u>	JOB NO.
POINT OF ORIGIN <u>1719 POWELL ST</u>	DESTINATION <u>OX MOUNTAIN LANDFILL</u>
CITY <u>SAN FRANCISCO CA</u>	CITY <u>HALF MOON BAY CA</u>
MATERIAL <u>BRICKS</u>	
MATERIAL CHARGE TO _____	

NO.	SCALE TAG NO.	YARDS OR WEIGHT	LOADING			UNLOADING			MILES	TYPE OF EQUIPMENT	DISTANCE BETWEEN SITES	CURB YARD CAPACITY
			TIME ARRIVE	TIME LEAVE	NET STAND BY	TIME ARRIVE	TIME LEAVE	NET STAND BY				
1	960361		7:15	7:32		8:45	9:20		<input type="checkbox"/> Self-Loader <input type="checkbox"/> Fork-End <input type="checkbox"/> Double-End	<input type="checkbox"/> 10 Wheel <input type="checkbox"/> Super Duty <input type="checkbox"/> Flat Bed	<input type="checkbox"/> Upgrade <input type="checkbox"/> Normal	
2	960527		10:43	11:03		12:28	12:55		TIME STARTED LAST LOAD			
3	55931	CONCRETE	2:10	2:25		3:15	3:30		TIME ARRIVED TO DUMP LAST LOAD			
4			4:15						NET RUNNING TIME LAST LOAD			
5									TIME FINISHED DUMP LAST LOAD			
6									TIME ALLOWED TO RETURN SAME GROSS RUNNING TIME LAST LOAD			
<b>OFFICE USE ONLY</b>												
BILL TO												
										TOTAL HOURS, LOADS OR TONS		9
										RATE PER HOUR, LOAD OR TON		\$
										SUBTOTAL		\$
										STAND BY TIME		
										DUMPS		
										MATERIAL		
										SURCHARGE		
										BRIDGE FARE		\$
										TOTAL CHARGES		\$
START TIME <u>7:15</u>			STOP TIME <u>4:15</u>			DEDUCT TIME			NET TIME <u>9:00</u>			

RECEIVED BY X [Signature]

ALL BILLS ARE DUE AND PAYABLE BY THE 10TH OF THE MONTH. 1.25% PER MONTH CHARGED ON PAST DUE ACCOUNTS. THIS IS AN ANNUAL PERCENTAGE RATE OF 24%. CUSTOMER WILL BE RESPONSIBLE FOR ALL COURT AND ATTORNEY COSTS FOR COLLECTION.

THESE CHARGES INCLUDE (1) FEE TO PAY FOR REGULATION OF TRANSPORTATION COMPANIES BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION AND (2) TAXES PAID TO CALIFORNIA CITIES INSTEAD OF EXCISE OR BUSINESS LICENSE TAXES THEY COULD OTHERWISE APOSE.

NOTICE: OUR DRIVERS WILL MAKE EVERY EFFORT TO PLACE MATERIAL WHERE CUSTOMER DESIGNATES, BUT THE COMPANY ASSUMES NO RESPONSIBILITY FOR DAMAGES INSIDE CURB OR PROPERTY LINE. NO CLAIMS ALLOWED UNLESS MADE WHEN MATERIAL IS DELIVERED AND RECEIVED FOR. ECONOMY TRUCKING IS NOT RESPONSIBLE FOR OVER WEIGHT LOADS OR TICKET.

DHP USE ONLY START TIME \_\_\_\_\_ FINISH TIME \_\_\_\_\_ TOTAL TIME \_\_\_\_\_

**CMB Change No.: CMB – 0148**

**Initial Implementing Change Control Procedure No.: 1277 – COR # 03**

**GENERAL**

Proposed Change Sponsor: M. Benson Received by CMB: 02/05/2014  
(Date)

Affected Disciplines: Demolition

Impacts of Change

Hauling and disposal of Styrofoam debris




Change Order Request (COR 03) Amount Not To Exceed \$4,037.78

**Contract(s) Directly Affected by this Proposed Change:**

1250	1251	1252	1253	1254	1255	1256	1277
1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input checked="" type="checkbox"/>
(CP01)	(CP02)	(CP03)	(CP04)	(CP05)	(CP06)	(CP07)	

**CONFIGURATION MANAGEMENT BOARD APPROVALS**

*Signatures*

	Agree with the Change	Disagree with the Change	Date
Program Director:			
Deputy Program Manager:			
PM Project Services:			
PM Project Construction:			2/5/14
SFMTA O & M Manager:			
SFMTA Safety and Security			
SFCTA PMO			5 Feb 14

**Comments**

Blank lines for comments.

**COR No. 003 Cost Estimate Summary**

General Scope:

-Hauling and disposal of Styrofoam debris discovered during demolition of the Pagoda Theater

Total estimated cost:

Labor	\$	-
Material	\$	1,200.00
Equipment	\$	-
2nd Tier Sub	\$	380.00
Markup on 2nd Tier Sub - 5%	\$	19.00
Prime - Markup - 15%	\$	180.00
Pollution Insurance - 2.11%	\$	37.54
Bond - 1.08%	\$	19.21
<b>Total Amount</b>	<b>\$</b>	<b>1,835.75</b>

Total Negotiated Cost:

Labor	\$	-
Material	\$	1,643.90
Equipment	\$	-
2nd Tier Sub	\$	2,175.36
Markup on 2nd Tier Sub - 5%	\$	108.77
Prime - Markup - 15%	\$	246.59
Pollution Insurance - 1.394%	\$	88.08
Bond - 1.08%	\$	45.09
<b>Total Negotiated Amount</b> (RE Recommended NTE Amount)	<b>\$</b>	<b>4,307.78</b>

List of attached documents:

- Contractor Cost Proposal/SFMTA Estimated Cost Comparison
- Estimated Material and Subcontractor Cost Breakdown
- Supporting Documentation (Quotations, Drawings etc.)

  
 Prepared By: Ben Volberding

02/04/14  
 Date:

  
 Checked By: Matt Hembl

02/04/14  
 Date:

1277 COR No. 003

	No.	Activity Name	Hours (C)	Hours (EE)	Contractor (C) [REV 1]	SFMTA Engineer's Estimate (EE)	Delta (C-EE)	Summary of Delta	Negotiation Position	Negotiation Results	Amount		
Labor	1	Labor (L)	-	-	\$ 1,520.00	\$ -	\$ 1,520.00	-MH including trucking costs in Labor category	-Trucking costs to be included in Services category	N/A	\$ -		
Equipment	1	Equipment (E)	-	-	\$ -	\$ -	\$ -	N/A	N/A	N/A	\$ -		
Materials	1	Materials (M)			\$ 6,031.00	\$ 1,200.00	\$ 4,831.00	-MH including disposal costs with insufficient supporting documentation (such as trucking tags, receipts, etc.).	-SFMTA to use estimated quantities and unit costs to determine fair and reasonable disposal costs. Estimated cost based on quote obtained by SFMTA Estimated (quote provided by Republic Services).	-SFMTA agreed to pay disposal premium (actual Ox Mountain credit card charges less Brisbane's disposal fee of \$360/load, for all 10ea loads) due to presence of Styrofoam in debris. SFMTA agreed to pay premium since waste would otherwise have been Contract (if no Styrofoam). -Negotiated disposal fees are based on actual quantities supported by invoices/credit card receipts. Negotiated quantities are supported by Field Inspector's notes in Daily Inspection Reports.	\$ 1,643.90		
Services	1	Services (S)			\$ 3,625.60	\$ 380.00	\$ 3,245.60	-MH including disposal trucking with insufficient supporting documentation (such as trucking tags, receipts, etc.).	-SFMTA to use estimated quantities and unit costs to determine fair and reasonable trucking costs (90 CY of Styrofoam equates to 10 loads with 4 total trucking hours). -Assume 4 hour round trip to ox mountain	-MH stated that disposal at Ox Mountain resulted in decreased off hauling production b/c/o longer route. Production decreased from 5 loads/day at Brisbane to 2 loads/day at Ox Mountain. -SFMTA agreed to pay for 60% of Economy Trucking invoice due to production loss. -Negotiated trucking costs are based on actual quantities supported by invoices. Negotiated quantities are supported by Field Inspector's notes in Daily Inspection Reports.	\$ 2,175.36		
					OH&P Markup (S - 5%)	\$ 181.28	\$ 19.00	\$ 162.28			OH&P Markup (S - 5%)	\$ 108.77	
					OH&P Markup (LM&E - 15%)	\$ 1,132.65	\$ 180.00	\$ 952.65			OH&P Markup (LM&E - 15%)	\$ 246.59	
					Insurance Pollution (2.11%)	\$ 240.30	\$ 37.54	\$ 202.76	MH to provide SFMTA with supporting documentation to verify this insurance rate			Insurance Pollution (1.394%) <sup>1</sup>	\$ 88.08
					Bond (1.08%)	\$ 160.94	\$ 19.21	\$ 141.73			Bond (1.08%)	\$ 45.09	
					OH&P Markup on Bond and Insurance (15%)		\$ -	\$ -	C incorrectly applying markups for OH&P and bonds and insurance. Bonds and insurance should be applied to direct costs and markups for OH&P.			OH&P Markup on Bond and Insurance (15%) <sup>2</sup>	\$ -
					<b>Total</b>	<b>\$ 12,891.77</b>	<b>\$ 1,835.75</b>	<b>\$ 11,056.02</b>			<b>Negotiated Total</b>	<b>\$ 4,307.78</b>	

<sup>1</sup>C provided SFMTA with documentation supporting actual insurance pollution markup of 1.394%

SFMTA Contract No. 1277

Contractor:

MH Construction Management Co.

**EVALUATION OF MERIT**

**COR 004:**

**Recommendation:** Accept justification of Merit for COR 004, for the following additional work:

- Sorting of materials at Baylands Soils Processing
- Baylands Soil Processing site rental – 1 week
- Soil testing and analysis
- Offhaul of contaminated materials from Baylands Soil Processing to Ox Mountain

There is no time extension requested or recommended for this work.

**Facts:** On September 13th, 2013, while performing contract work for the demolition of the Pagoda Theater the contractor, MH Construction (MHC), encountered an unknown room under the existing Pagoda floor slab at the northwest corner of the site (RFI #4). MHC also submitted a separate RFI #3 indicating that there were numerous unknown objects beneath the theater floor slab containing bricks, concrete debris, and additional concrete slabs. The obstructions were not indicated on the CN 1277 design drawings and were needed to be removed prior to the follow on CN 1252 construction of Cutter Soil Mix (CSM) Walls, installation of the compensation grout pipes, and excavation of the retrieval shaft.

The SFMTA directed MHC to proceed with demolition of the unknown room and removal of the brick, concrete debris and slab. MHC proceeded with the activities and found additional rooms and debris under the floor slab. The material removed from beneath the existing slab needed to be sorted prior to removal from the site. Additionally, the soil removed from beneath the concrete slab contained contaminated materials and needed to be tested prior to disposal.

Due to the fact that MHC was already behind schedule, the decision was made for MHC to remove the mixed debris to Baylands Soil Processing for sorting and testing as to not delay the turnover of the site to the CN 1252 contract. The cost to off haul the material to Baylands is included in COR 001.

In addition to the soil sorting work, additional testing and analysis, including sample collection by ICES and testing by MacCampbell Analytical, was required to ensure that BSP could accept the materials. The test results indicate that the soil is contaminated therefore the soil (four loads estimated) will be hauled to Ox Mountain for disposal.

**Justification:** The contract documents do not indicate the presence of the obstructions described above and therefore the obstructions are differing site conditions. City personnel have verified that the removal of the obstructions was required in order to allow for construction of the Retrieval shaft under the 1252 contract.

SFMTA Contract No. 1277

Contractor: MH Construction Management Co.



The material removed from beneath the existing slab needed to be sorted prior to removal from the site. Additionally, the soil removed from beneath the concrete slab was suspected to be contaminated and needed to be tested prior to disposal.

Due to the fact that MHC was already behind schedule, the decision was made for MHC to remove the mixed debris to Baylands Soil Processing for sorting and testing as to not delay the turnover of the site to the CN 1252 contract. The cost to off haul the material to Baylands is included in COR 001. The cost for the soil sorting and testing was evaluated under COR 004.

RE has evaluated the conditions outlined in Article 3.04 and found that: conditions differ materially and conditions caused the scope of work to increase.

**Change Type:** (2) Unforeseen Condition

By:

 _____ Mark Benson Construction Manager	<u>2/26/14</u> Date
 _____ Configuration Management Board Approval	<u>2-26-14</u> Date

CMB Change No.: **CMB - 0151**

Initial Implementing Change Control Procedure No.: **1277 - COR # 04**

**GENERAL**

Proposed Change Sponsor: M. Benson Received by CMB: 02/26/2014  
(Date)

Affected Disciplines: Demolition

Impacts of Change Sorting of materials at Baylands Soils Processing



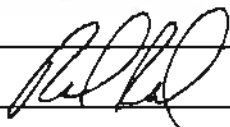

Change Order Request (COR 04) Amount Not To Exceed \$12,338.34

Contract(s) Directly Affected by this Proposed Change:

1250	1251	1252	1253	1254	1255	1256	1277
1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input checked="" type="checkbox"/>
(CP01)	(CP02)	(CP03)	(CP04)	(CP05)	(CP06)	(CP07)	

**CONFIGURATION MANAGEMENT BOARD APPROVALS**

*Signatures*

	Agree with the Change	Disagree with the Change	Date
Program Director:			2-26-14
Deputy Program Manager:			2/26/14
PM Project Services:			
PM Project Construction:			2/26/14
SFMTA O & M Manager:			
SFMTA Safety and Security			
SFCTA PMO			26 FEB 14

Comments


**COR No. 004 Cost Estimate Summary**

**General Scope:**

- Sorting of materials at Baylands Soils Processing
- Baylands Soil Processing site rental (1 week)
- Soil testing and analysis
- Offhaul of materials from Baylands Soil Processing to Ox Mountain
- Disposal of materials at Ox Mountain

**Total SFMTA Recommended Amount:**

Labor (L)	\$	4,747.00
Equipment (E)	\$	3,420.91
Material (M)	\$	501.68
Services (S)	\$	1,972.31
Prime - LM&E Markup - 15%	\$	1,300.44
Prime - S Markup - 5%	\$	98.62
Pollution Insurance - 1.394%	\$	167.85
Bond - 1.08%	\$	130.04
<b>Total Recommended Amount</b> (RE Recommended NTE Amount)	<b>\$</b>	<b>12,338.84</b>

**List of attached documents:**

- Contractor Cost Proposal/SFMTA Estimated Cost Analysis
- Detailed Estimate
- Invoices (ICES, McCampbell, Baylands Rental)



Prepared By: Ben Volberding

2/26/2014

Date:



Checked By: Matt Hembd

2/26/2014

Date:



1277 COR No. 004

1277 COR No. 004											
	No.	Activity Name	Days (C)	Days (EE)	Contractor (C) [REV 1]	SFMTA Engineer's Estimate (EE)	Delta (C-EE)	Summary of Delta	Negotiation Position	Negotiation Results	Amount
Labor	1	Labor (L)	6	4	\$ 15,965.40	\$ 4,747.00	\$ 11,218.40	-Hard to differentiate what work was additional vs. Contract in MH cost proposal -More MHRs included in MH cost proposal than calculated in EE	Unilateral (SFMTA to use costs contained in SFMTA EE)	Unilateral (SFMTA to use costs contained in SFMTA EE)	\$ 4,747.00
Equipment	1	Equipment (E)	6	4	\$ 10,248.00	\$ 3,420.91	\$ 6,827.09	-Hard to differentiate what work was additional vs. Contract in MH cost proposal -More equipment hours included in MH cost proposal than calculated in EE	Unilateral (SFMTA to use costs contained in SFMTA EE)	Unilateral (SFMTA to use costs contained in SFMTA EE)	\$ 3,420.91
Materials	1	Materials (M)			\$ -	\$ 501.68	\$ (501.68)	-MH including disposal costs in services	Unilateral (SFMTA to use costs contained in SFMTA EE)	Unilateral (SFMTA to use costs contained in SFMTA EE)	\$ 501.68
Services	1	Services (S)			\$ 30,431.00	\$ 1,972.31	\$ 28,458.69	-MH including \$25,200 (before markups) in soil acceptance costs. These costs are not considered as legitimate or within reason by the SFMTA. -EE uses additional hauling costs to transport contaminated soil to Ox Mountain instead of soil acceptance proposed by MH.	Unilateral (SFMTA to use costs contained in SFMTA EE)	Unilateral (SFMTA to use costs contained in SFMTA EE)	\$ 1,972.31
OH&P Markup (LM&E - 15%)					\$ 3,932.01	\$ 1,300.44	\$ 2,631.57			OH&P Markup (LM&E - 15%)	\$ 1,300.44
OH&P Markup (S - 5%)					\$ 1,521.55	\$ 98.62	\$ 1,422.93			OH&P Markup (S - 5%)	\$ 98.62
Insurance Pollution (2.11%)					\$ 1,195.20	\$ 167.85	\$ 1,027.35	MH provided SFMTA with documentation supporting actual insurance pollution markup of 1.394%		Insurance Pollution (1.394%) <sup>1</sup>	\$ 167.85
Bond (1.08%)					\$ 611.76	\$ 130.04	\$ 481.72			Bond (1.08%)	\$ 130.04
OH&P Markup on Bond and Insurance (15%)					\$ 8,767.70	\$ -	\$ 8,767.70	C incorrectly applying markups for OH&P and bonds and insurance. Bonds and insurance should be applied to direct costs and markups for OH&P.		OH&P Markup on Bond and Insurance (15%)	\$ -
<b>Total</b>					<b>\$ 67,219.06</b>	<b>\$ 12,338.84</b>	<b>\$ 54,880.22</b>			<b>Total Recommended Amount</b>	<b>\$ 12,338.84</b>

Hourly rates:

Activity Description	Days	Laborer G3		Operator G3	Labor totals	Hourly Rates											Equipment Totals			
		\$ 58.57	\$ 78.44			Excavator (Kobelco)	Screen (Chieftan 1400)	Mobile conveyor (24" x 50')	Deere (225D)	Dump Truck	Truck and trailer (36k-48k lbs)	Loader (JD 210 LE)	Excavator (Kobelco)	Screen (Chieftan 1400)	Mobile conveyor (24" x 50')	Deere (225D)		Dump Truck	Truck and trailer (36k-48k lbs)	Loader (JD 210 LE)
						<b>Active Rate</b>					<b>Standby Rate</b>									
MHC Soil Sorting	4	3	2		\$ 10,642.88	1	1	1		1		1								\$ 9,287.04
Demobe (from Pagoda to Brisbane)	1		2		\$ 1,255.04						0.5		0.5						0.5	\$ 94.06
Offhaul Hazardous Materials from Baylands to OX Mountain	1	1	2		\$ 1,723.60	1				1										\$ 1,243.76
Mobe/Demobe (to/from Brisbane)	1		2		\$ 1,255.04						0.5		0.5				0.25			\$ 95.87
					Subtotal															\$ 10,720.73
					<b>Total Cost (w/ additional Work Factor of 0.32 applied)</b>															\$ <b>4,747.00</b>
																				\$ <b>3,420.91</b>

Calculation of Additional Work Factor:	
Contract Offhaul (Slab and under)	489.3 CY
Additional Offhaul (Slab and under)	229.3 CY
<b>Total Offhaul</b>	<b>718.6 CY</b>
<b>Additional Work Factor</b>	<b>0.32</b>

**SFMTA Notes/Assumptions:**

- Estimate assume all labor at ST rate
- Quantities used are estimated by SFMTA 1252 Project Staff
- Crew/equipment spreads and production rates estimated by SFMTA 1252 Project Staff
- MHC Soil Sorting: 1 operator on the excavator and 1 on the loader, 3 laborer assists
- Offhauling: 1 operator on the excavator, 2 laborer assists
- Mobe/demobe: Includes demobe from Pagoda to Brisbane and mobe/demobe to/from Brisbane.

Material	Qty.	Unit	Unit Price	Extension	SFMTA Notes
Ox Mountain Disposal Fee (4 loads @ 12CY/LD)	48	CY	\$ 29.00	\$ 1,392.00	SFMTA obtained quote from Ox Mountain. They will accept contaminated soil at rates used in this estimate. Using 12 CY/LD.
Environmental fee (9.21%)	48	CY	\$ 2.67	\$ 128.20	
Fuel recovery (\$13/load)	4	LD	\$ 13.00	\$ 52.00	
<b>Subtotal</b>				<b>\$ 1,572.20</b>	
<b>Total Material Cost (w/ additional Work Factor of 0.32 applied)</b>				<b>\$ 501.68</b>	

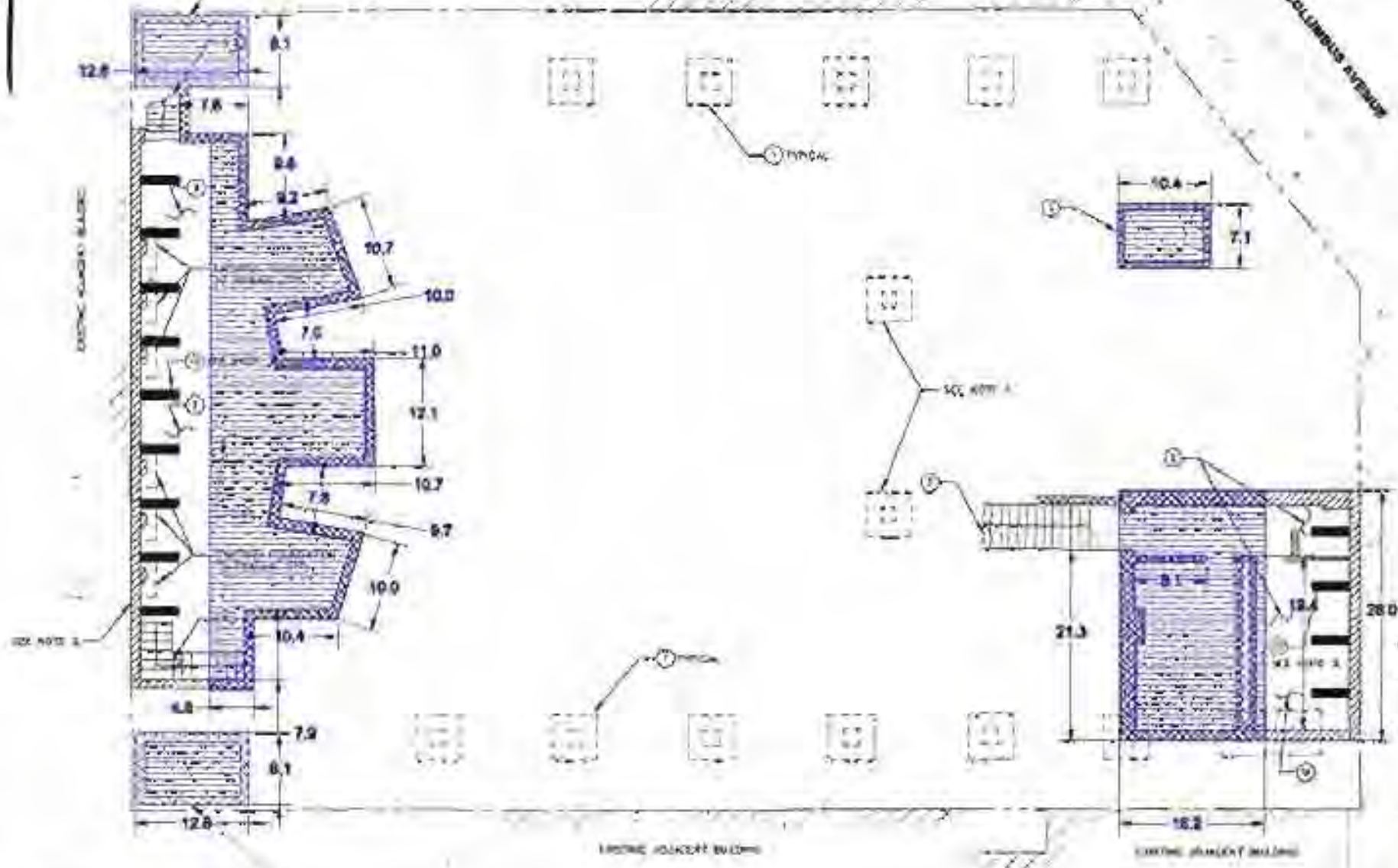
Services	Qty.	Unit	Unit Price	Extension	
Soil Sample Collection (performed by ICES)	1	LS	\$ 700.00	\$ 700.00	Price shown on Invoice No. 7257-1009
Soil testing (performed by McCampbell Analytical)	1	LS	\$ 1,031.00	\$ 1,031.00	Price shown on Invoice No. 1310234 and Invoice No. 1310234 A
Sorting Site Rental (Baylands Soil Processing)	1	Week	\$ 3,500.00	\$ 3,500.00	Weekly price shown on Invoice No. PRO23-1848
<b>Offhaul Trucking (Baylands to Ox Mountain)</b>	4	LD			Number of loads calculated in material cost section
Hauling	10	Hours	\$ 95.00	\$ 950.00	4 loads at 2.5 HRS/LD (2 hours driving + 0.5 hours load/unload)
<b>Subtotal</b>				<b>\$ 6,181.00</b>	
<b>Total Services Cost (w/ additional Work Factor of 0.32 applied)</b>				<b>\$ 1,972.31</b>	

ADDITIONAL STAIRWAY STRUCTURE NOT CORRECTLY DEPICTED IN CONTRACT DRAWINGS

FLORETT STREET

EXISTING ADJACENT BUILDING

COLUMBUS STREET



SEE NOTE 2

SEE NOTE 1

ADDITIONAL STAIRWAY STRUCTURE NOT CORRECTLY DEPICTED IN CONTRACT DRAWINGS

EXISTING FLORETT BUILDING

EXISTING ADJACENT BUILDING

### NOTES

- 1 CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXISTING FOOTINGS (LOCATION AND DIMENSION)
- 2 EXISTING REAR WALL TO BE DEMOLISHED TO GRADE
- 3 EXISTING EXTERIOR WALL, INTERIOR WALL, TYPICAL, LOCATION, SIZE, AND NUMBER OF PARTS SHOWN ON DRAWING IS PRELIMINARY BASED ON EXISTING INFORMATION FROM RECORDS OF EXISTING BUILDING. CONTRACTOR SHALL VERIFY BY A REGISTERED PROFESSIONAL ENGINEER. EXISTING STRUCTURE CONDITIONS SHALL BE FULLY REVEALED PRIOR TO START OF BRIDGE DEMOLITION.
- 4 EXISTING AND EXTERIOR WALL DEMOLITION EXISTING WALL TO BE DEMOLISHED WITH (WALL TYPE)
- 5 CONTRACTOR TO TAKE SPECIAL CARE WITH EXISTING REAR WALL TO PROTECT ADJACENT BUILDING TO THE ADJACENT PROPERTY BEARING WALL WITH WALL
- 6 CONTRACTOR TO VERIFY EXISTING DIMENSIONS OF ADJACENT PROPERTY FOUNDATION IS FOUND TO BE CORRECT AND TO PROTECT ADJACENT PROPERTY

### LEGEND

- ① EXISTING FOUNDATION TO BE REMOVED
- ② EXISTING CONCRETE SLAB TO BE REMOVED
- ③ EXISTING STAIR, LANDING, ELEVATOR TO BE REMOVED
- ④ EXISTING CONCRETE WALL TO BE REMOVED
- ⑤ EXISTING EXTERIOR PART TO BE REMOVED
- ⑥ EXISTING WALL, STRUCTURE TO BE REMOVED AND SHALL BE CUT AND CAPPED AT THE PROPERTY LINE
- ⑦ EXISTING CONCRETE, INSULATED WALL, COLUMN, LOCATED NEAR EXISTING WALL, BRICK MASONRY WALL OR STEEL COLUMN TO BE REMOVED
- ⑧ EXISTING POOR TO BE REMOVED
- ⑨ EXISTING PERIPHERAL BEAM SUPPORTING BECEMENT TO BE REMOVED
- ⑩ EXISTING ROOF TO BE REMOVED
- ⑪ EXISTING TRUSSES TO BE REMOVED
- ⑫ EXISTING BRICK WALL, CONCRETE WALL, STUCCO WALL, ROOF, WINDOWS AND MILLWORK TO BE REMOVED
- ⑬ EXISTING CONCRETE TYPICAL WALL TO BE REMOVED
- ⑭ EXISTING REMAINING WALL ADJACENT EXISTING BUILDING TO REMAIN PROJECT IN PLACE
- ⑮ PROTECT BEAMS TO SUPPORT EXISTING BASEMENT WALL
- ⑯ AFTER BRIDGE BRACING AND REMOVING EXISTING LOWER SLAB, BASEMENT BASEMENT WITH CRUSHED CONCRETE OR CLASS F FILL
- ⑰ EXISTING BASEMENT CONCRETE WALL TO BE REMOVED
- ⑱ EXISTING BRICK CONCRETE WALL AND CONCRETE BACKSTOP STEEL COLUMNS IN BASEMENT TO BE REMOVED, FRONTS IN PLACE
- ⑳ EXISTING BASEMENT CONCRETE SLAB TO BE REMOVED
- ⑳ EXISTING PROPERTY LINE

CONTRACT WALLS REMOVED BY MHC

CONTRACT SLAB REMOVED BY MHC



**ARUP**  
 Arup North America, L.P.  
 100 West Street, 15th Floor  
 New York, NY 10036  
 Tel: 212 904 7000 Fax: 212 904 7001  
 www.arup.com

**BARNARD IMPREGILO HEALY**  
 BARNARD IMPREGILO HEALY / V  
 480 4TH STREET  
 SAN FRANCISCO, CA 94107

THIRD STREET LIGHT RAIL  
 PROGRAM PHASE 2  
 CENTRAL SUBWAY  
 RUNNING TUNNELS



PAGODA THEATER  
 DEMOLITION PLAN  
 BASEMENT LEVEL

DATE	1/27/10
PROJECT	THIRD STREET LIGHT RAIL
DESCRIPTION	PAGODA THEATER DEMOLITION PLAN
SCALE	AS SHOWN
PROJECT NO.	10000
DATE	1/27/10
PROJECT NO.	10000
DATE	1/27/10

CONFORMED

FILBERT STREET

EXISTING ADJACENT BUILDING

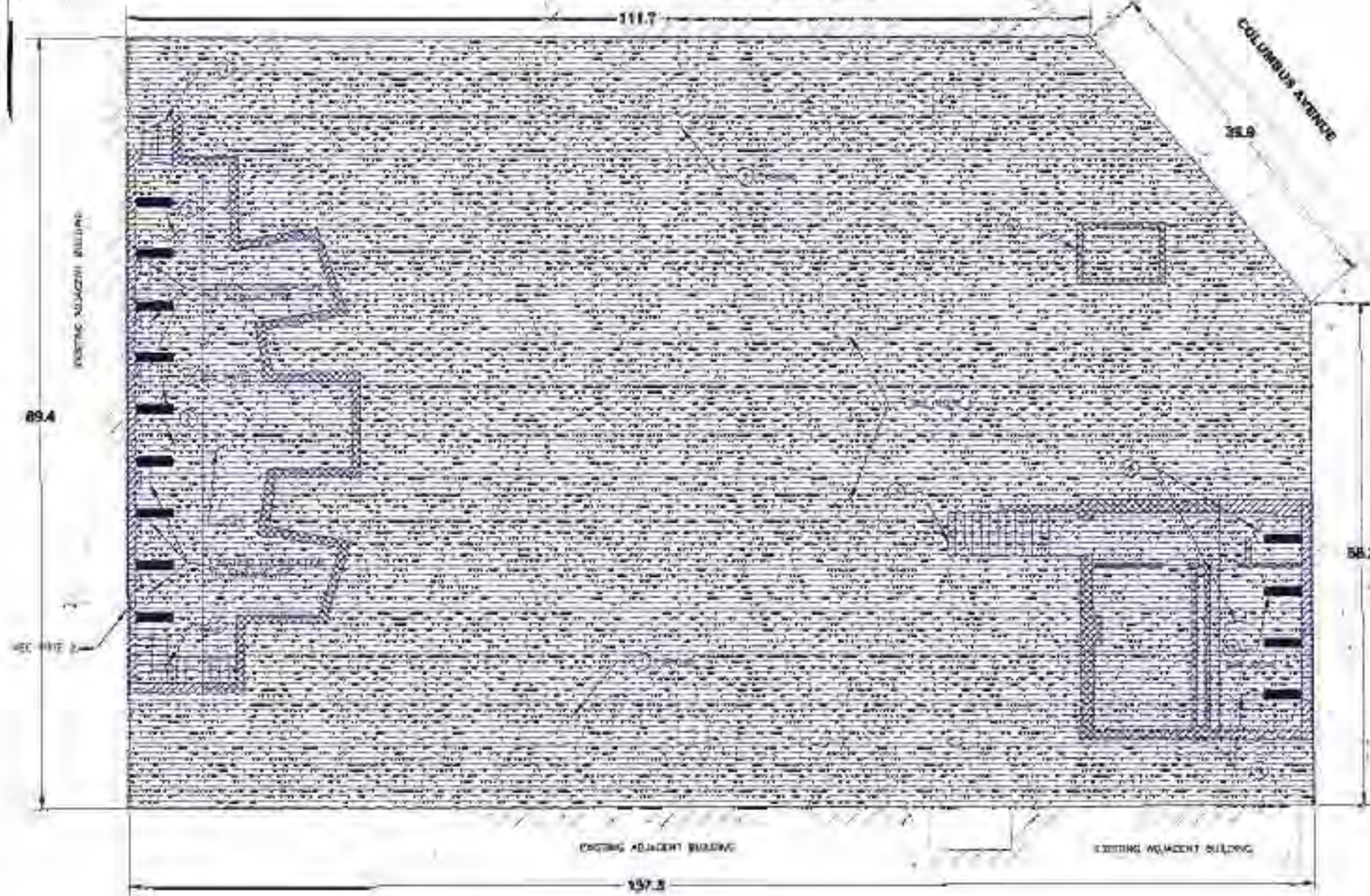
COLUMBUS AVENUE

NOTES

- 1 CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY SHEAR FOOTING LOCATION AND DIMENSION.
- 2 BUILDING BEAR WALL TO BE DEMOLISHED TO GRADE.
- 3 RAFTERS W/2x10, 2x12, 2x14, TYPICAL LOCATION, SIZE AND NUMBER OF RAFTERS BASED ON TRACING OF PROJECTIONS BASED ON EXISTING INFORMATION. FINAL DESIGN OF RAFTERS SHALL BE PROVIDED AND STAMPED BY A REGISTERED CALIFORNIA PROFESSIONAL ENGINEER. CONTRACTOR SHALL INSTALL THE RAFTERS PRIOR TO SLAB OR GRADE DEMOLITION.
- 4 FOUNDATION AND ELEVATOR SHAFT EXCAVATION EXCAVATIONS SHALL BE BACKFILLED WITH CLASS II FILL.
- 5 CONTRACTOR TO TAKE SPECIAL CARE WITH DEMOLISHING BEAR WALL IN ORDER TO AVOID ANY DAMAGE TO THE ADJACENT PARKING BUILDING WALL.
- 6 CONTRACTOR TO NOTIFY DARIUS REPRESENTATIVE IF ADJACENT PROPERTY FOUNDATION IS FOUND TO EXIST PRIOR TO THE PAGOJA THEATER PROPERTY.

LEGEND

- 1 EXISTING FOUNDATION TO BE REMOVED
- 2 EXISTING CONCRETE SLAB TO BE REMOVED
- 3 EXISTING SPARSE LAMINAE RAFTERS TO BE REMOVED
- 4 EXISTING CONCRETE RAFTERS TO BE REMOVED
- 5 EXISTING ELEVATOR SHAFT TO BE REMOVED
- 6 EXISTING WALKER GAS LINE TO BE REMOVED. WET SHALL BE CUT AND CAPPED AT THE PROPERTY LINE.
- 7 EXISTING CONCRETE ENCLOSED STEEL COLUMN LOCATED WITH BRICK WALL, BRICK MASONRY WALL, OR STEEL COLUMN TO BE REMOVED.
- 8 EXISTING SIGN TO BE REMOVED.
- 9 EXISTING REINFORCING SLAB SUPPORTING MEZZANINE TO BE REMOVED.
- 10 EXISTING WIP TO BE REMOVED.
- 11 EXISTING WIP TO BE REMOVED.
- 12 EXISTING BRICK WALL, CONCRETE WALL, STEEL WALL, ROOF, MEZZANINE AND MULTIPLE TOP LEVELS TO BE REMOVED.
- 13 EXISTING CONCRETE LOW WALL TO BE REMOVED.
- 14 EXISTING RETAINING WALL AGAINST ADJACENT BUILDING IN RANGE. PROTECT IN PLACE.
- 15 PROVIDE BRACES TO SUPPORT EXISTING BASEMENT WALL.
- 16 AFTER PLACE BRACING AND ROVING, BRING GROUND LEVEL SLAB, BASEMENT BASEMENT WITH CRUSHED CONCRETE OR CLASS II FILL.
- 17 EXISTING BASEMENT CONCRETE WALLS TO BE REMOVED.
- 18 EXISTING BRICK CONCRETE WALL WITH CONCRETE ENCASED STEEL COLUMN IN BASEMENT TO BE RETAINED. PROTECT IN PLACE.
- 19 EXISTING BASEMENT CONCRETE SLAB TO BE REMOVED.
- 20 EXISTING PROPERTY LINE.



POWELL STREET

CONTRACT SLAB REMOVED BY MHC



**ARUP**  
 Arup North America Ltd.  
 550 Mission Street, Suite 200  
 San Francisco, CA 94105, USA  
 Tel: (415) 774-2000 Fax: (415) 774-2999  
 www.arup.com

**BARNARD IMPREGILO HEALY**  
 BARNARD / IMPREGILO HEALY JV  
 440 4TH STREET  
 SAN FRANCISCO, CA 94107

THIRD STREET LIGHT RAIL  
 PROGRAM PHASE 2  
 CENTRAL SUBWAY  
 RUNNING TUNNELS



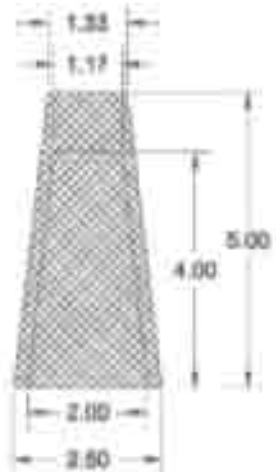
PAGOJA THEATER  
 DEMOLITION PLAN  
 BASEMENT LEVEL

Project No.	219434
Revision	TD-10
Drawn By	
Checked By	
Scale	
Date	
Project Name	PAGODA THEATER DEMOLITION PLAN BASEMENT LEVEL
Project No.	219434
Revision	TD-10

CONFORMED

## CONCRETE DEMO QUANTITY TAKEOFF:

### Wall Demo Takeoff:



Area shaded red represents typical small wall dimensions: Area = 6.33 SF

Area shaded blue represents typical large wall dimensions: Area = 9.58 SF

Average Wall Area = 7.96 SF

Total Wall Length = 548.0 LF

Total Wall Concrete Volume = 161.6 CY

### Slab Demo Takeoff:

Open slab area = 12,922.6 SF

Slab under walls = 370.3 SF

Total Slab Area = 13,292.9 SF

Thickness = 8"

Total Slab Concrete Volume = 328.2 CY

### Concrete Demo Total:

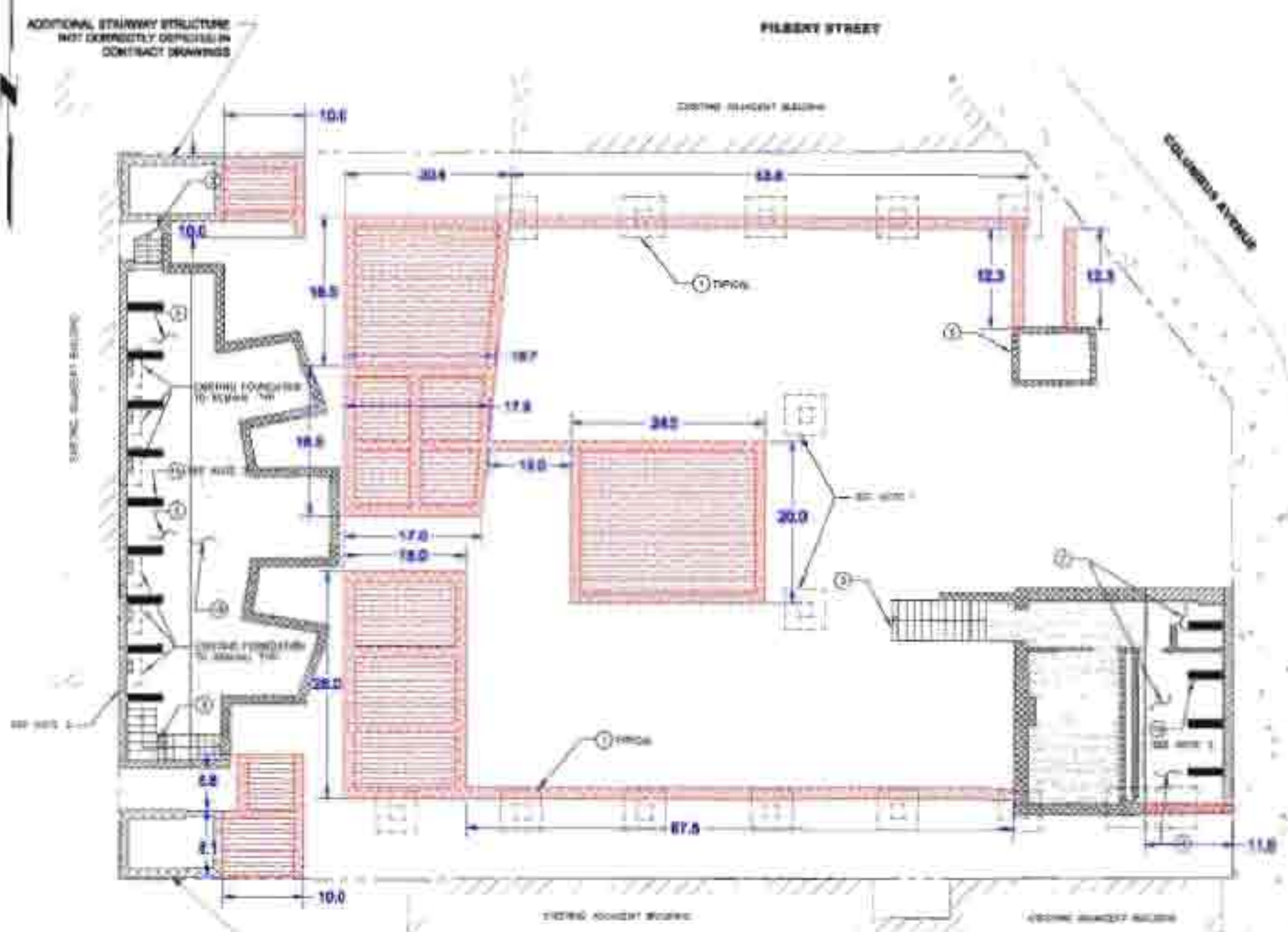
Total Concrete Volume = 489.3 CY

**NOTES**

1. CONTRACTOR IS RESPONSIBLE TO VERIFY EXISTING WALLS, FOUNDATION AND ELEVATION.
2. EXISTING REAR WALL TO BE DEMOLISHED TO GRADE.
3. EXISTING WALLS 14FT LONG TYPICAL. VERIFY SIZE AND NUMBER OF EXISTING OPENINGS IN DRAWING IS FOR GENERAL BASED ON EXISTING INFORMATION. FIVE TYPICAL OF PARTS SHALL BE PROVIDED AND STAMPED BY A REGISTERED CALIFORNIA PROFESSIONAL ENGINEER. DEMOLITION CONTRACTOR SHALL MAINTAIN THE HANDS FROM THE 3/4" TO GRADE DEMOLITION.
4. FOUNDATION AND ELEVATOR SHAFT CONCRETE EXCAVATIONS SHALL BE BACKFILLED WITH CLASS 1 FILL.
5. CONTRACTOR TO TAKE SPECIAL CARE WHEN DEMOLISHING REAR WALL IN ORDER TO AVOID ANY DAMAGE TO THE FORWARD PARKING BUILT UP BRICK WALL.
6. CONTRACTOR TO NOTIFY ADJACENT REPRESENTATIVE OF ADJACENT PROPERTY TOGETHER TO VISIT TO DEMOLITION AND THE PACCAR THEATER PROPERTY.

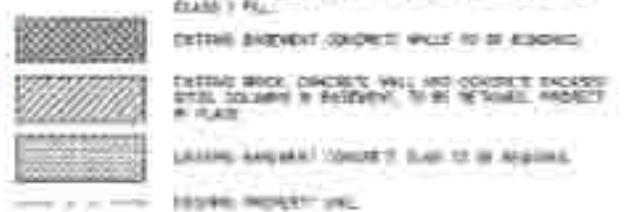
**LEGEND**

- 1. EXISTING FOUNDATION TO BE REMOVED
- 2. EXISTING CONCRETE SLAB TO BE DEMO
- 3. EXISTING STAIRS, LANDING RAFTS TO BE REMOVED
- 4. EXISTING CONCRETE RAFT TO BE REMOVED
- 5. EXISTING ELEVATOR SHAFT TO BE REMOVED
- 6. EXISTING WALLS, GAS LINES TO BE REMOVED WITH SHALL BE TYP AND CAPPED AT THE PROPERTY LINE
- 7. EXISTING CONCRETE, REINFORCED STEEL COLUMNS LOCATED BY THE BUILT UP BRICK WALL, BRICK WALLS SHALL BE DEMO TO BE REMOVED
- 8. EXISTING WALL TO BE REMOVED
- 9. EXISTING FOUNDATION, REAR STRUCTURAL BEAMS TO BE DEMO
- 10. EXISTING WALL TO BE REMOVED
- 11. EXISTING RAFTS TO BE REMOVED
- 12. EXISTING BRICK WALL, CONCRETE WALL, STEEL WALL, STEEL BEAMS AND MULTIPLE DOOR WALLS TO BE REMOVED
- 13. EXISTING CONCRETE, STEEL WALL TO BE REMOVED
- 14. EXISTING REINFORCED WALL, REAR REAR WALLS TO BE DEMO TO BE REMOVED
- 15. FOUNDATION BEAMS TO SUPPORT EXISTING EXTERIOR WALL
- 16. AFTER FINISHING EXISTING AND REMOVING EXISTING WALLS, SHALL BE REPAIRED WITH CLASS 1 FILL.
- 17. EXISTING EXTERIOR CONCRETE WALL TO BE DEMO
- 18. EXISTING BRICK, CONCRETE WALL AND CONCRETE EXCAVATION, STEEL COLUMNS IN EXTERIOR, TO BE REMOVED, REPAIR IN PLACE
- 19. EXISTING EXTERIOR CONCRETE SLAB TO BE DEMO
- 20. EXISTING PROPERTY LINE



EXISTING WALLS  
REMOVED BY WALL

EXISTING WALL  
REMOVED BY WALL



**ARUP**  
 Arup North America Ltd  
 1900 Broadway, Suite 300  
 San Francisco, CA 94109 USA  
 Tel: 415 774 2000 Fax: 415 774 2000  
 www.arup.com

**BARNARD  
 IMPREGILO  
 HEALY**  
 ARCHITECTS

BARNARD / IMPREGILO HEALY INC  
 460 4TH STREET  
 SAN FRANCISCO, CA 94107

THIRD STREET LIGHT RAIL  
 PROGRAM PHASE 2  
 CENTRAL SUBWAY  
 RUNNING TUNNELS



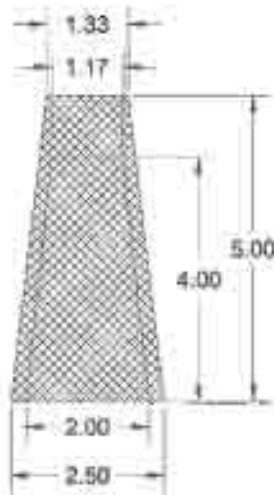
PACCAR THEATER  
 DEMOLITION PLAN  
 BASEMENT LEVEL

DATE	1.12.2010
DESIGNER	ARUP
CHECKED	ARUP
APPROVED	ARUP
PROJECT	PRELIMINARY
DATE	1/12/10
NO.	21943A
SCALE	1/8" = 1'-0"
DATE	10/10/10
NO.	TD-10

**CONFORMED**

## CONCRETE DEMO QUANTITY TAKEOFF:

### Wall Demo Takeoff:



Area shaded red represents typical small wall dimensions: Area = 6.33 SF

Area shaded blue represents typical large wall dimensions: Area = 9.58 SF

Average Wall Area = 7.96 SF

Total Wall Length = 585.9 LF

Total Wall Concrete Volume = 180.0 CY

### Slab Demo Takeoff:

Open slab area = 1,310.5 SF

Slab under walls = 655.4 SF

Total Slab Area = 1,996.8 SF

Thickness = 8"

Total Slab Concrete Volume = 49.3 CY

### Concrete Demo Total:

Total Concrete Volume = 229.3 CY

(compare to 198CY included in J. Blazek estimate)





**Rate Schedule**  
**Ox Mountain Sanitary Landfill**  
**Hours of Operation: 8:00AM to 4:30PM MONDAY-SATURDAY**  
**ScaleHouse (650) 726-4718 (MON-SAT)**  
**Office (650) 726-1819 (MON-FRI)**

Currently 9.21%

**NEW RATES EFFECTIVE JANUARY 1, 2014**

<b>ENVIRONMENTAL FEE</b>	<b>\$ 13.00</b>	<b>Per Load</b>
<b>FUEL RECOVERY FEE</b> (varies monthly)	Please visit <a href="http://www.disposal.com">www.disposal.com</a> for rate percentage	
MSW	\$ 68.00	Per Ton
MSW <b>(UNDER 5 YARDS)</b>	\$ 30.00	Per Cu. Yd.
Logs & Stumps	\$ 68.00	Per Ton
Clean Green/Wood Waste	\$ 39.00	Per Ton
Clean Green/Wood Waste <b>(UNDER 5 YARDS)</b>	\$ 22.00	Per Cu. Yd.
Soil/Mud	\$ 29.00	Per Cu. Yd.
<b>Contaminated Soils****</b>		<b>(see below)</b>
Concrete/Asphalt/Mixed Agg. <b>(see below for more information)**</b>	\$ 30.00	Per Cu. Yd.
<b>*Note: Minimum Charge:</b>		<b>1 Cubic Yard/Ton</b>

Rate applies to  
 contaminated Soil  
 per Deborah at  
 Republic Services.  
 2/26/14

**The following will be charged *in addition* unless segregated at the time of disposal:**

Mattresses/Bedspings/Sofas	\$ 36.00	Each
Refrigerators & Air Conditioners <b>w/Certificate</b>	\$ 23.00	Each
Refrigerators & Air Conditioners <b>w/o Certificate</b>	\$ 64.00	Each
Appliances & White Goods/Water Heaters	\$ 20.00	Each
Television Sets/Computer Monitors <b>Under 21"</b> (recycled)	\$ 22.00	Each
Television Sets/Computer Monitors <b>Over 21"</b> (recycled)	\$ 34.00	Each
Passenger Car/Motorcycle Tires <b>w/Rim</b>	\$ 18.00	Each
Passenger Car/Motorcycle Tires <b>w/o Rim</b>	\$ 15.00	Each
Truck Tires <b>w/Rim</b>	\$ 38.00	Each
Truck Tires <b>w/o Rim</b>	\$ 32.00	Each

**Special Handling Charges As Follows Are In Addition To Either The Above Specified Tonnage Or Yardage Charge:**

Wire, Spring, or Cable	\$ 14.00	Per Ton/Yard
Reinforced Concrete/Asphalt & Rebar**	\$ 14.00 **	Per Ton/Yard
Concrete/Asphalt Larger Than 18"***	\$ 14.00 **	Per Ton/Yard
Help with Load, Supervised Loads, Etc.***	Varies	Per Hour
<b>***Note: There is a Minimum</b>	<b>\$ 105.00</b>	<b>Minimum</b>
<b>****For all cont. material rates, please contact our Special Waste Department at 1-800-204-4242</b>		



3300 Powell Street, Suite 109  
Emeryville, CA 94608  
Tel (510) 652-3222 Fax (510) 652-3555

## INVOICE

No. 7257-1009

October 8, 2013

Client: Mr. Gary Chen  
M.H. Construction Management Co.  
1630 17th Street  
San Francisco, California 94107

Site: Pagoda Palace (CN #1277)  
San Francisco, California

Sampling Activities	\$	700.00
Collect and composite soil sample		
Transport sample to laboratory		

Total	\$	<u>700.00</u>
-------	----	---------------

Please make check payable to:

ICES  
3300 Powell Street, #109  
Emeryville, CA 94608  
510-652-3222 Off

Thank you



## INVOICE for ANALYTICAL SERVICES

Project Name: CN-1277, Pagoda Pataca Demolition  
 PO Number: N/A  
 Date Sampled: 10/07/13  
 Date Received: 10/07/13

**Invoice N°: 1310234 REV**

INV DATE: *October 08, 2013*  
 REV DATE: *October 08, 2013*

Report To: Gary Chen  
 MH Construction Management Co.  
 1630 17th Street  
 San Francisco, CA 94107  
[mhgcchen@gmail.com](mailto:mhgcchen@gmail.com)

Invoice To: Matthew Huey  
 MH Construction Management Co.  
 1630 17th Street  
 San Francisco, CA 94107

Description	TAT	Matrix	Qty	Mult	Unit Price	Test Total
<b>Tests:</b>						
SW6020 (CAM 17)	5 days	Soil	1	1	\$123.00	\$123.00
SW7199 (Hexachlorines)	5 days	Soil	1	1	\$89.00	\$89.00
SW8015B (Diesel & Motor Oil)	5 days	Soil	1	1	\$50.00	\$50.00
SW8081A/8082 (OC Pesticides+PCBs)	5 days	Soil	1	1	\$139.00	\$139.00
SW8270C SIM (PAHs/PNAs + Misc 1)	5 days	Soil	1	1	\$200.00	\$200.00
TPH(g) & B260 (Basic Lat) by P&T GCMS	5 days	Soil	1	1	\$167.00	\$167.00
<b>Subbed Tests:</b>						
Asbestos, 435 CARB 1000		Soil	1	1	\$190.00	\$190.00
					<b>SubTotal:</b>	<b>\$958.00</b>

**Invoice Total: \$958.00**

If paid by **11/07/13** Prompt Pay Invoice Total = **\$881.20**

**PLEASE PAY OFF EMAILED INVOICE**

Please include the invoice number with your check and remit to Accounts Receivable at the letter head address. MAI also accepts credit card (Visa/Master Card/Discover/American Express) payment. Please call Accounts Receivable for details on this service.

MAI's EDF charge does not include the EDF charge for subcontracted analyses. The minimum EDF charge per workorder is \$25.00. For invoice total greater than \$5000.00, EDF will be 2% of the total invoice. The EDF charge for subcontracted analyses will be identical to Subcontractor's fee.

Terms are net 30 days from the invoice date. After this period 10% interest will be charged annually. Overdue accounts are responsible for all legal and collection fees. If you have any questions about billing, please contact Accounts Receivable at McC Campbell Analytical.



McC Campbell Analytical, Inc.

"When Quality Counts"

1334 Willow Park Road, Puchug, CA 94565-1701  
Toll Free Telephone (877) 252-9269 / Fax: (925) 252-9269  
http://www.mcccampbell.com / E-mail: mca@mcccampbell.com

# INVOICE for ANALYTICAL SERVICES

Project Name: CN-1277; Pagoda Palace Demolition  
PO Number: N/A  
Date Sampled: 10/7/13  
Date Received: 10/07/13  
Date Add-On: 10/22/13

Invoice N<sup>o</sup>: 1310234 A

INV DATE: October 29, 2013

Report To: Gary Chen  
MH Construction Management Co  
1630 17th Street  
San Francisco, CA 94107  
rthogchen@gmail.com

Matthew Huey  
MH Construction Management Co  
1630 17th Street  
San Francisco, CA 94107

Description	TAT	Matrix	Qty	Mult	Unit Price	Test Total
<b>Tests</b>						
SW6020 (Metals) (STLC)	5 days	Soil	1	1	\$17.00	\$17.00
<b>Miscellaneous</b>						
STLC Extraction			1	1	\$56.00	\$56.00
					<b>SubTotal</b>	<b>\$73.00</b>

**Invoice Total: \$73.00**

If paid by 11/28/13 Prompt Pay Invoice Total = \$65.70

### PLEASE PAY OFF EMAILED INVOICE

Please include the invoice number with your check and remit to Accounts Receivable at the letter head address. MAI also accepts credit card (Visa/Master Card/Discover/American Express) payment. Please call Account Receivable for details on this service.

MAI's EDF charge does not include the EDF charge for subcontracted analyses. The minimum EDF charge per workorder is \$25.00. For invoice total greater than \$5000.00, EDF will be 2% of the total invoice. The EDF charge for subcontracted analyses will be identical to Subcontractor's fee.

Terms are net 30 days from the invoice date. After this period 10% interest will be charged annually. Overdue accounts are responsible for all legal and collection fees. If you have any questions about billing, please contact Accounts Receivable at McC Campbell Analytical.



# McCampbell Analytical, Inc.

1515 Willow Park Rd / Pittsburg, Ca. 94565-1707  
 www.mccampbell.com | main@mccampbell.com  
 telephone: (925) 252-9267 | fax: (925) 252-9269

## CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH  24HR  48HR  72HR  5 DAYS  7 DAYS

TURNOUTS: 10  15  20  25  30  35  40  45  50

Different Sample Requiring 1/2 Bag  1.5L Flow Up Tumbler Project  1.5L Flow

1910234

Report To: Gary Chen  
 Company: SBC Construction Mgt. Co.

Bill To: 1630 17th Street, SF, CA 94109

### Analysis Request

Tele: (415) 312-5784

E-Mail: ashgchen@gmail.com

Project #: CN-12

Fax: (415) 958-9612

Project Location: 1731 Powell St, SF, CA

Project Name: Pagoda Palace Demolition

Sample Signature: *[Signature]*

Purchase Order:

SAMPLE ID	Location/Field Point Name	SAMPLING		# CONTAINERS	MATRIX								METHOD PRESERVED										
		Date	Time		Ground Water	Waste Water	Drinking Water	Tap Water	soil	Air	Sludge	Other		ILIT	HEMS	Other							
1910																							

WARNING: Do NOT disclose any dangerous chemicals known to be present in this submitted sample in concentrations that may cause immediate harm or serious future health endangerment as a result of loss, spill, or release, unless monitoring by MAH staff. Non-disclosure incurs an immediate \$250 surcharge and the client is subject to all legal liabilities for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By:	Date:	Time:	Received By:
<i>[Signature]</i>	7-13	12:00	<i>[Signature]</i>
Relinquished By:	Date:	Time:	Received By:
<i>[Signature]</i>	7-13	12:00	<i>[Signature]</i>
Relinquished By:	Date:	Time:	Received By:

COMMENTS:

GOOD OBSERVATION  
 HEADSPACE (ARSENIC)  
 DECONTAMINATED IN LAB  
 APPROPRIATE CONTAINERS  
 PRESERVED IN LAB

HAZARDOUS

OTHER

HAZARDOUS

# INVOICE

## Baylands Soil Processing, LLC.

**REMIT PAYMENT TO:**

5 Beatty Road, Brisbane, CA 94005

Phone: 415-956-4157 Fax: 415-520-0883

INVOICE NO. PRO23-1848

DATE October 31, 2013

CUSTOMER ID PRO-23

TO MBC INC  
2436 DOUGLAS ST.  
SAN PABLO, CA 94806

JOB	P.O.	DUF DATE
Powell St	PRO-23	Net 30 Upon Receipt

Date	QTY (LD)	DESCRIPTION	TRUCK (CY)	TICKET #	LOAD PRICE
9/24/2013		9-17 to 9-24 Weekly Temp Storage charges			\$ 3,500.00
10/1/2013		9-24 to 10-1 Weekly Temp Storage Charges			\$ 3,500.00
10/8/2013		10-1 to 10-8 Weekly Storage Charges			\$ 3,500.00
10/15/2013		10-8 to 10-15 Weekly Storage Charges			\$ 3,500.00

Total Loads 0

TOTAL \$ 14,000.00

Total CY to Date

	0	5	0
<b>Total CY</b>	0	9	0
	0	12	0
	0		0

\*Please Call if you are missing any tickets. We need larger copies

12 CY: End Dump

9 CY: 10 Wheeler

5 CY: Bobtail

\*Tickets can be downloaded at:

INVOICE

(F) (Handwritten initials)

DOMINGUEZ & SONS TRUCKING, INC  
529 North 10th Street  
San Jose, CA 95112  
(408)971-3744

COPY

CUSTOMER: MBC Inc.  
2436 Douglas Street  
San Pablo, CA 94806

PERIOD COVERED: 09/19/2013  
RUN DATE: 09/30/2013

TRAILER: ENCDUMP  
INVOICE NO: 1309048  
LOCATION: POWELL/SAN FRANCISCO

DATE	TAG#	HR/TN/LDS	RATE	TOLLS	AMOUNT DUE	DESCRIPTION
09/19/2013	18512	8.75	\$95.00	\$0.00	\$831.25	POWELL/SF
09/19/2013	21675	8.00	\$95.00	\$0.00	\$760.00	POWELL/SF
TOTAL					\$1,591.25	

TERMS: NET DUE UPON RECEIPT

This invoice will be considered correct as rendered unless notified within 5 working days.  
On all zero due accounts there will be a finance charge of 1 1/2% per month on the 10th through the 15th of each month.



2095 JERROLD AVENUE, SUITE 316  
SAN FRANCISCO CA 94124

Date: 09/19/2013  
INVOICE: 748

Phone: 415 285-8588 ~~Fax: 415 285-2555~~  
robkenny@foxcovertrucking.com  
Certified HRC, LBE / SBE

Purchase Order:

MBC CONSTRUCTION  
2436 DOUGLAS STREET  
SAN PABLO CA 94806-2815

Date	Tag	Truck	Customer Job	Description	Qty	Rate	Amount
09/19/13	06118	MET	555	1719 POWELL STREET	8.75	95.00	631.25
09/19/13	205706	ERNT	555	1719 POWELL STREET	7.25	85.00	616.25
09/19/13	2553	UR	555	1719 POWELL STREET	8.8	100.00	880.00
09/19/13	4653	VBT	555	1719 POWELL STREET	8	95.00	760.00

Amount: 3,067.50

Item	Qty	Amount
H	22.50	3,067.50

Please Pay This Amount: 3,067.50

Payment Due Net 25. Finance Charges of 2.5% Applied Monthly



**CENTRAL SUBWAY PROJECT**  
**Project Trend/Change Control Log**

**Trend Log**

Total Cost Estimate and Allocated Contingencies								
Item #	Date Initiated	Change Description	Change Type	CMB No.	Change Status		Projected Cost Impact +Exposure/(Benefit)	Comments
					Approval Action	Approval Date		
<b>Contract 1250 - Utilities Relocation #1 (Portal &amp; MOS)</b>								
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.] <b>COMPLETE, NO FURTHER ACTION; CMOD #1</b>
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.] <b>No reimbursement from SFPUC Sewer.</b> <b>COR #2-\$34,135; COR #5-\$73,039</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #2</b>
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.] <b>COMPLETE, NO FURTHER ACTION; CMOD #3</b>
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.] <b>COR #3-RFI #76</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #4</b>
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.] <b>No reimbursement from SFPUC AWSS.</b> <b>PCC #2: RFI #s 34, 49 &amp; 51</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #5</b>
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. <b>Refer to RFIs #85R1, 88.1, 100, 101, 102</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #6</b>
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. <b>No reimbursement from SFPUC Sewer.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #9</b>
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. <b>Refer to RFI #62</b> <b>(\$19,500) Expected Reimbursement from TPC. RE has provided documentation of notification to TPC, July-August '10. See final 1250 Form B actual costs</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #8</b>

- 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
					Approval Action	Approval Date	Actual/Forecast	
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 <b>COMPLETE, NO FURTHER ACTION; CMOD #7</b>
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. <b>COMPLETE, NO FURTHER ACTION; CMOD #10</b>
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) <b>COMPLETE, NO FURTHER ACTION; CMOD #16</b>
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 <b>COMPLETE, NO FURTHER ACTION; CMOD #20</b>
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 <b>COMPLETE, NO FURTHER ACTION; CMOD #20</b>
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) <b>COMPLETE, NO FURTHER ACTION; CMOD #16</b>
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 <b>COMPLETE, NO FURTHER ACTION; CMOD #20</b>
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 <b>COMPLETE, NO FURTHER ACTION; CMOD #12</b>
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.

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1250-0019	10/06/10	081-0019	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. <b>This trend has been superseded by Trend #37.</b> <b>COMPLETE, NO FURTHER ACTION</b>
1250-0020	10/06/10	081-0020	3				+39,062	Inverts of existing sewer where new sewer will tie into are found to be different than shown in plan and would create a reverse slope. Additional pipe and manhole are required to fix slope. <b>Refer to RFI Nos. 2S01 and 147.</b> <b>No reimbursement from SFPUC Sewer.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #11</b>
1250-0021	10/06/10	081-0021	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. <b>Trend No. 21 is combined with Trend No. 22.</b>
1250-0022	10/06/10	081-0022	2	CMB-0026	Agree	01/12/11	+160,908	AWSS Point of connection on 4th Street was found to be cast iron instead of ductile iron as shown in DPW as-built. Due to this differing condition, additional length of pipe needs to be replaced and lead joint to be installed in order to install a ductile iron tee. Also, existing AWSS hydrant lateral is in conflict with new 18" sewer. The preferred solution was to install a new ductile iron lateral at a different location rather than installing vertical offsets on an existing cast iron lateral. <b>No reimbursement from SFPUC AWSS.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #15</b>
1250-0023	10/06/10	081-0023	3				+24,981	Sewer at Clementina was delayed by 2 months due to PG&E vault conflict. PG&E will not pay cost of steel plates and shoring standby because PG&E drawings were sent to MTA during design phase and PG&E was not made aware of the conflict then. <b>COMPLETE, NO FURTHER ACTION; CMOD #13</b>
1250-0024	10/06/10	081-0024	6	CMB-0048	Agree	08/24/11	+95,311	Contract specs specified AT&T to compensate contractor directly for workaround & support. AT&T refused to pay Synergy. Synergy considers AT&T's refusal as a changed condition to CN 1250 contract. <b>(\$95,311) Reimbursement from AT&amp;T. See Final 1250 Form B actual costs.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #19</b>
1250-0025	10/06/10	081-0025	6					Contract specs specified PG&E to compensate contractor directly for workaround & support. PG&E negotiated \$100,000 directly with Synergy and will pay synergy directly as well.
1250-0026	10/06/10	081-0026	3	CMB-0028	Agree	02/09/11	+66,510	Total cost known to date (10/5/10) of all SFWD support and workaround. See COR #12, 20, 32 and 35. Agreed amount is total of COR #12, 20 and 32. Total exposure is equal to agreed amount plus COR #35. <b>No reimbursement from SFWD.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #14</b>
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. <b>Additional charges are expected which will be tracked as Trend No. 28.</b> <b>COMPLETE, NO FURTHER ACTION</b>

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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. <b>COMPLETE, NO FURTHER ACTION</b>
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. <b>COMPLETE, NO FURTHER ACTION; CMOD #17</b>
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. <b>COMPLETE, NO FURTHER ACTION; CMOD #16</b>
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. <a href="#">Credit amount included in Trend #43</a>
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. <a href="#">Credit amount included in Trend #43</a>
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. <a href="#">Credit amount included in Trend #43</a>
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 AI Herce of DPT) is forthcoming; RE estimated this bill to be about \$60,000.00. <b>COMPLETE, NO FURTHER ACTION; CMOD #18</b>
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. <a href="#">COR Not submitted by Contractor</a> <b>CLOSED COMPLETE, NO FURTHER ACTION</b>

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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. <b>2/15:</b> Rental/Maintenance Costs for Support (Part 2 of 4); Addl Work as Result of Archeological Shutdown (3 of 4). <b>07/25:</b> 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. <b>09/12: RE to Prepare Modification</b> <b>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.</b> <b>COMPLETE, NO FURTHER ACTION</b>
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. <b>COMPLETE, NO FURTHER ACTION</b>
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. <b>This will be carried in the Potential Claim Log.</b>
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. <b>NO FURTHER ACTION; Superseded by COR #58. (See 1250-0043 below)</b>
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. <b>NO FURTHER ACTION; Superseded by COR #58. (See 1250-0043 below)</b>
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. <b>NO FURTHER ACTION; Superseded by COR #58. (See 1250-0043 below)</b>
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. <b>NO FURTHER ACTION; Superseded by COR #58. (See 1250-0043 below)</b>
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					

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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%. <b>COMPLETE, NO FURTHER ACTION; CMOD #20</b>
<b>Contract 1250 Totals</b>							<b>+2,694,211</b>	<b>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.</b> <b>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.</b> <b>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</b>
<b>Contract 1251 - Utilities Relocation #2 (UMS)</b>								
1251-0001	03/18/11	082-0001	Modify traffic control plan by establishing a single travel lane on Stockton St. in lieu of time-based multiple lane requirements as stipulated in contract plans TR-001 to 004.	7			-0-	After discussions with the Contractor and the Union Square Business Improvement District (BID), the SFMTA determined that modifying the lane requirements along Stockton St. and implementing the alternate pedestrian walkway design would be beneficial to the execution of CN 1251 in the following ways: increased public safety, increase construction production, and create a more pleasing environment to the public and merchant. COR #1 <b>COMPLETE, NO FURTHER ACTION; CMOD #4</b>
1251-0002	03/18/11	082-0002	Installation of reinforced concrete slab underneath Joint Trench along Stockton at O'Farrell (East Side). CTL 133+66.37 (27.08 LEFT) to CTL 134+00.87 (27.08 LEFT)	1&3	CMB-0035	Agree	04/20/11	+67,634 Pursuant to a commitment between Barney's and SFMTA, Emergency Stair #4 (to be constructed in CN 1253) must avoid existing subsidewalk basement. It was determined that moving the conflicting stairs would require the Joint Trench to be constructed in a manner that would enable it to span the excavated area. The addition of the invert slab allowed for the needed span thereby allowing for a relocation of Emergency Stair #4. COR #4; PCC #1 <b>COMPLETE, NO FURTHER ACTION; CMOD #2</b>
1251-0003	03/18/11	082-0003	Adjust placement of 3EA manholes along Geary Street and O'Farrell Street. The modified manhole locations require the installation of approximately 265LF of additional HDPE pipe inside the existing 3'x5' brick sewer.	1	CMB-0029	Agree	02/23/11	+148,919 During future station construction, the design team anticipates that excavation related settlement may cause damage to the brick sewers along Geary and O'Farrell Streets. This proposed modification will replace the vulnerable brick sewer within the influence zone with HDPE pipe that will not be as susceptible to settlement-induced damage. COR #9, PCC #2 <b>COMPLETE, NO FURTHER ACTION; CMOD #1</b>
1251-0004	04/06/11	082-0004	Changes to Neiman Marcus secondary enclosure wall due to various differing site conditions.	2	CMB-0031	Agree	04/13/11	+189,584 Due to various differing site conditions as described in RFIs 15, 37, 38 and 44, changes to the secondary enclosure wall are required. The existing footing were found to be inconsistent, i.e. missing footing in one area, footing sticks out beyond existing wall, overpour on existing footing, existing wall to be 6" into private property. Contract plan SR-302 shows a consistent footing. COR #8 <b>COMPLETE, NO FURTHER ACTION; CMOD #3</b>

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1251-0005	04/06/11	082-0005 Existing PG&E conduits were found on top and parallel to existing AWSS on Geary Blvd. at 2 locations (east and west of Stockton)	6				+66,084	Contract plans AW-501.1, 501.2, 501.4 and 501.4 show the existing AWSS to be replaced in place. However, existing PG&E conduits were found to be on top and parallel to the existing AWSS resulting in extra work in working around and/or shifting the existing electrical conduits. Contract plans JT-308 and 309 showed the existing electrical and AWSS to be separate. Estimate includes \$77,892.53 (Synergy FA Request) + \$25,000 (first digging west side) + \$10,000 (temp backfill during moratorium) + \$15,000 (plate rental west side at \$5k per month). Estimate does not include Synergy's cost to sequence his work. Updated projected cost impact from \$50,000 to \$127,893 based on compilation of force accounts received. RE negotiating <b>COMPLETE, NO FURTHER ACTION</b>
1251-0006	04/20/11	082-0006 Design changes to utilities on Stockton street between Post and Geary	1	CMB-0039	Agree	06/08/11	+398,624	Due to changes to the limits of the UMS Station on Stockton Street between Post and Geary, the original utility design has changed. COR #24, PCC #4 <b>COMPLETE, NO FURTHER ACTION; CMOD #5</b>
1251-0007	04/20/11	082-0007 Design changes to utilities on Ellis Street	1	CMB-0049	Agree	08/24/11	(434,957)	Due to changes to the limits of the UMS Station on Ellis street, the original utility design has changed. PCC #5 <b>COMPLETE, NO FURTHER ACTION; CMOD #5</b>
1251-0008	04/20/11	082-0008 Elimination of underpinning at 150 Stockton	1					Based on field verification, it was determined that underpinning is no longer needed. Contract bid item SR-9 is for a total amount of \$116,000 measured by LF. However, CM team does not anticipate to recover the full amount because contractor may be entitled to retain general conditions cost and some excavation cost that was already performed but encumbered in Bid Item SR-9. Agreed credit of (\$58,000) to be included in Trend #60. <b>CLOSED, NO FURTHER ACTION</b>
1251-0009	04/20/11	082-0009 Additional cost for police officers and/or Parking Control Officers for traffic control.	4	CMB-0038	Agree	06/01/11	+261,584	Contract bid item TR-7 for manual traffic control in the amount of \$120,000 is insufficient to control traffic for the duration of the contract. The \$120,000 allowance only equates to one police officer for a duration of 7.5 months. At a minimum, it is anticipated that one police officer or PCO will be needed at Stockton/Post for the entire contract duration of 16 months. Additionally, one PCO is required for each intersection at Geary/Stockton and O'Farrell/Stockton. <b>COMPLETE, NO FURTHER ACTION; CMOD #4</b>
1251-0010	05/25/11	082-0010 Accelerate Stockton east between O'Farrell and Market	1				+27,409	Contractor needed to rent additional excavators to work concurrently with the other block on Stockton between O'Farrell and Market. Amount: \$27,409; COR #25 <b>COMPLETE, NO FURTHER ACTION; CMOD #3</b>
1251-0011	06/22/11	082-0011 Potholing at 4th/Howard for PUC sewer design	1					Request from MOS utility design team to pothole for the intercept of a 36" force main sewer and 96" sewer. PUC requested that this be done in order to ensure that we have accurate utility information to avoid costly change orders during construction. Per direction from CMB on January 18, 2012, this request is denied. COR #50, PCC #6 <b>CLOSED, NO FURTHER ACTION: Per direction from CMB on January 18, 2012, this request is denied.</b>
1251-0012	07/06/11	082-0012 Additional cost to lower the AWSS at O'Farrell, east of Stockton, due to numerous existing utility conflicts.	2	CMB-0042, CMB-0050	Agree	8/3/2011, 9/21/2011	+278,351	The AWSS is in conflict with AT&T, PG&E and several other utilities and needs to be installed under all these utilities at about 11' deep (instead of 6' depth as noted in Plan AW-501.4, sheet note #5). During negotiations with the Contractor several items of work were found to be missing for the original cost estimates which increase the amount to \$278,351. RFI #76, COR #31 <b>COMPLETE, NO FURTHER ACTION; CMOD #6</b>

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1251-0013	07/06/11	082-0013	Accelerate start of construction in front of Macys West by trenchless construction method	7			-0-	Micropile installation on Stockton east between O'Farrell and Market has proven to be much slower than anticipated. To mitigate this potential delay, contractor requested to start construction in front of Macys West. COR 32 (CMB 0055 approval - see also Trend CN1251 #'s 04 & 10) <b>COMPLETE, NO FURTHER ACTION; CMOD #3 (No Cost Change)</b>	
1251-0014	07/21/11	082-0014	Increase in Bid Item WD-10, Allowance for Additional Excavation and Backfill.	3	CMB-0055	Agree	09/14/11	+191,779	This allowance is for the contractor to perform additional excavation, backfilling and restoration associated with the water tie-ins and capping for the distribution piping system. The contractor has performed two water service tie-ins at an average cost of \$14,000 per tie-in. The current number of tie-ins and capping is 35 separate points. This amounts to a total cost of \$490,000. The current contract allowance amount is \$100,000, therefore an additional \$390,000 will be needed to augment is bid item. CMB made a partial approve of up to \$200K. The initial Contract Modification to supplement this allowance is in the amount of \$191,778.62. <b>RE's cost analysis of this trend confirms that the initial CMod amount of \$191,778.62 is sufficient to cover for all water tie-in/capping work.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #9</b>
1251-0015	08/03/11	082-0015	Additional traffic signal work at Post/Stockton	1				+17,530	Modification of the traffic signal at Post/Stockton is required to implement the detour shown in contract plan TR-010. There are no bid item to bill this work. COR #19 <b>COMPLETE, NO FURTHER ACTION; CMOD #8</b>
1251-0016	08/03/11	082-0016	Additional traffic signal work at Sutter/Mason	2				+32,054	Existing conduits shown in Plan ET-101 differs from what is actually in the field. City's response to RFI 73 directs contractor to install new conduits and conductors. RFI #73; COR #33 <b>COMPLETE, NO FURTHER ACTION; CMOD #8</b>
1251-0017	08/03/11	082-0017	Furnish and install AT&T Manhole 5830 on O'Farrell Street	6	CMB-0051	Agree	09/21/11	+25,000	AT&T was supposed to hire its own subcontractor to furnish and install all AT&T vaults in CN 1251. AT&T requested SFMTA for Synergy to perform this work as change order to CN 1251. <b>AT&amp;T agreed to reimburse SFMTA (\$25,000) through the Form B process.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #7</b>
1251-0018	08/03/11	082-0018	Furnish and install AT&T Manhole 5829 on Geary Blvd.	6	CMB-0051	Agree	09/21/11	+31,000	AT&T was supposed to hire its own subcontractor to furnish and install all AT&T vaults in CN 1251. AT&T requested SFMTA for Synergy to perform this work as change order to CN 1251. <b>AT&amp;T agreed to reimburse SFMTA (\$31,000) through the Form B process.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #7</b>
1251-0019	08/03/11	082-0019	Extend joint trench and modify existing AT&T Manhole 403 on Ellis Street.	6	CMB-0057	Agree	10/26/11	+31,000	AT&T was supposed to furnish and install AT&T vault #5833 on Ellis Street. The current design was to intercept the existing AT&T conduit in the middle of Ellis Street. It was discovered that the existing AT&T conduit actually run adjacent to the southern curb line along Ellis Street. Therefore, AT&T requested SFMTA for Synergy to extend the joint trench approximately 200 feet to the West and tie into their existing AT&T vault #403. This work will also require Synergy to enlarge vault #403 to accept the additional conduit. . <b>This additional work for AT&amp;T will need to be reimbursed to SFMTA through the Form B process.</b> <b>Note: The agreed amount (\$31,000) is for enlargement of vault #403 only; the additional 200 feet of trench to be captured in the JT bid items. (See Trend 60)</b> COR #43 <b>COMPLETE, NO FURTHER ACTION; CMOD #11</b>
1251-0020	09/07/11	082-0020	Change PG&E conduit material from PVC to GRS on west side of Stockton between Geary and Post	6	CMB-0058	Agree	11/02/11	+19,537	PG&E requested to use GRS material in lieu of PVC in areas where PG&E conduits were expected to be exposed and temporary supported during future UMS station construction. <b>PG&amp;E agreed to reimburse SFMTA (\$19,537) through the Form B process.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #21</b>

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1251-0021	09/07/11	082-0021	6					PG&E made changes to the locations of the service points and layout of some of the primary lines. In addition, due to changes to the limits of the UMS Station on Ellis Street, it was determined that Muni Vault 1850A is no longer needed. Cost for this trend is captured in Trend #31 or CMod #12. <b>CLOSED; NO FURTHER ACTION. Cost for this trend is captured in Trend #31/CMod #12</b>
1251-0022	09/07/11	082-0022	7					During the design phase the representatives of the Hilton Hotel agreed to and signed a license agreement with the SFMTA to allow embedded eyebolt supports. Hilton's Dir of Property Ops now wants to have OCS poles rather than the embedded building eyebolt supports. However, the OCS designer was able to revise the OCS design to eliminate the need for either eyebolts or poles in front of Hilton Hotel, resulting in a \$2,000 credit. <b>CLOSED; NO FURTHER ACTION. Applicable bid items to be adjusted accordingly, See Trend #60.</b>
1251-0023	09/07/11	082-0023	1	CMB-0065	Agree	1/25/2012, 2/29/12	+405,440	SFMTA Operations has requested a bypass be installed at 4th Street and Folsom Street. \$242,619 in labor costs for OCS installation has not been negotiated yet. 1/25: Condition agreed upon verification material from Contractor to be procured is available. (Verified 02/01/12). 02/29: CMod negotiated cost has been revised to incorporate original three items and the add'l OCS work on Folsom St. COR #52; PCC #7 Updated projected cost impact from \$490,000 to \$405,440. CMod #12 (Formally CMod #15) <b>COMPLETE, NO FURTHER ACTION; CMOD #12</b>
1251-0024	09/07/11	082-0024	6	CMB-0059	Agree	11/16/2011, 05/02/12	+201,411	As a new requirement, PG&E had requested that a 5" slurry wall be installed between the gas line and wet utilities where the separation between the 2 utilities is less than 3 feet. PG&E agreed to reimburse SFMTA (\$201,410) through the Form B process. COR #58 <b>COMPLETE, NO FURTHER ACTION; CMOD #19</b>
1251-0025	09/07/11	082-0025	6					PG&E requested to install additional conduits crossing Stockton Street at Geary and O'Farrell to minimize service interruption during future UMS Station construction. PG&E agreed to reimburse SFMTA through the Form B process. This item is captured under applicable JT Bid item, see Trend 60. <b>CLOSED; NO FURTHER ACTION. Item is captured under applicable JT Bid Item, See Trend 60.</b>
1251-0026	09/14/11	082-0026	2					The sub-basement in the public parking garage at O'Farrell/Mason extends beyond the property line up to the curb line. Therefore, regular foundations as per original design could not be installed. <b>CLOSED; NO FURTHER ACTION. Item is captured under applicable OCS Bid Item, See Trend 60.</b>
1251-0027	09/20/11	082-0027	1	CMB-0056	Agree	11/30/11	+281,435	Acceleration is necessary to avoid potential delay impacts to Central Subway follow-on contracts. COR #40 <b>COMPLETE, NO FURTHER ACTION; CMOD #10</b>
1251-0028	10/18/11	082-0028	6	CMB-0057	Agree	10/26/11	+157,000	AT&T was supposed to hire its own subcontractor to furnish and install all AT&T vaults in CN 1251. AT&T requested SFMTA for Synergy to perform this work as change order to CN 1251. AT&T agreed to reimburse SFMTA (\$157,000) through the Form B process. COR #43 <b>COMPLETE, NO FURTHER ACTION; CMOD #11</b>

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1251-0029	10/26/11	082-0029	6					Vault 133 rebuild is superseded by Trend 40. Demolition of existing vaults 403 and 113 is superseded by Trend 43 <b>CLOSED; NO FURTHER ACTION. Demo of exiting vaults 403 and 113 are superseded by Trend 43. (See CMOD #23)</b>
1251-0030	10/26/11	082-0030	6	CMB-0058	Agree	11/02/11	+46,366	PG&E asked SFMTA to enlarge vault 873. <b>PG&amp;E agreed to reimburse SFMTA (\$46,366) through the Form B process.</b> CMB approved a NTE amount of \$40K <b>COMPLETE, NO FURTHER ACTION; CMOD #21</b>
1251-0031	10/26/11	082-0031	6	CMB-0058	Agree	11/02/11	+17,193	PG&E asked SFMTA to install additional conduits. <b>PG&amp;E agreed to reimburse SFMTA (\$17,193) through the Form B process.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #21</b>
1251-0032	11/08/11	082-0032	6	CMB-0059	Agree	11/16/2011, 05/02/12	+92,292	PG&E gas drawings were not included in the bid package and there was no bid item to capture this work. Gas drawings was issued by PG&E in June 2011. <b>PG&amp;E agreed to reimburse SFMTA (\$92,292) through the Form B process.</b> <b>Updated projected cost impact from \$202,400 to \$169,087 due to reduction in number of kill holes from 18 to 15. 04/11: Discovery of actual number of Kill/Tie locations being 26 instead of 15 will require confirmation from PG&amp;E of the locations and the new cost of scope of work.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #19</b>
1251-0033	11/23/11	082-0033	1	CMB-0068	Agree	03/07/12	+408,700	Additional enclosure wall is design initiated change. COR #47, PCC #9 <b>Updated projected cost impact from \$262,484 to \$408,700.</b> 39 Calendar Day Time Extension <b>COMPLETE, NO FURTHER ACTION; CMOD #13 (formally CMOD #14)</b>
1251-0034	01/10/12	082-0034	2	CMB-0069	Agree	04/04/12	+337,548	Existing utilities that are in active service were discovered in the City public right-of-way and are obstructing the performance of Contract work. Worst case scenario - "Not to Exceed" value) CM team will report actual amount value at a later date COR #71 <b>CMB agreed to a Not-to-Exceed amount of \$346,456 on 4/4/12. All physical work was scheduled to complete by 4/13/12</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #17</b>
1251-0035	01/11/12	082-0035	1					UMS Design Team requested 1251 to pothole (6'Wx12'Lx8'D) on Stockton between Post and Geary to locate existing piles and tie-backs at Union Square. Cost for this scope of work from the Contractor is \$19,870.73. Per direction from the CMB on Jan 18th this request is denied and the DP2 designer will cover this potential future obstruction with a note on the drawings. COR #53 <b>CLOSED; NO FURTHER ACTION. Per direction of CMB on 1/18/12, this request is denied and DP2 Designer will cover this potential future obstruction with a note on the drawings.</b>
1251-0036	01/11/12	082-0036	6					CN 1252 Contract is requesting 1251 to install PG&E conduits in order to bring power in advance of the tunnel equipment arrival. The scope of work, which involves trenching at the busy 4th/Bryant intersection, was part of the 1252 contract, hence, a credit of same amount (\$54,892.07) to be due back to 1252. Based upon a field meeting and discussions with BIH on Jan 17th this work will be done under CN 1252 as originally planned. COR #55 <b>CLOSED; NO FURTHER ACTION. Based on field meeting with BIH on 1/17/12; this work will be completed under CN 1252 as planned.</b>

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1251-0037	01/17/12	082-0037	3	CMB-0078	Agree	09/12/12	+27,428	After field investigation, the existing sewer lateral was found to connect to the Stockton main near Geary. However, the location where the lateral is connected to the main is inside the footprint of the UMS station, in which the main is shown in the contract plan to be slurry filled. The contract plan shows the lateral to be connected to the main on Maiden Lane but is not possible due to invert problem. At the CMB meeting on 1/18/12, Albert Hoe reported that he had instructed the design team during the design phase to investigate this lateral and make the connection to the sewer main at Maiden Lane. RE was asked to investigate if this could be a possible error and omission by the sewer design. (See Trends #44 and 45) <b>COMPLETE, NO FURTHER ACTION; CMOD #18</b>
1251-0038	01/04/12	082-0038	1	CMB-0064, CMB 0080	Agree	1/04/2012, 10/24/12	+29,273	JCDecaux refused to remove the remaining (2EA) kiosks without being paid for work already completed. The CMB approved on 1/04/12 Task Order No. 35 (Removal of 3EA sidewalk kiosks) as requested for the work already completed. On 10/24/12 the CMB approved Trend #38 removal of the remaining 2EA kiosks; work already completed and paid for as part of the approved CMB 0064 dated 01/04/12 for a total of <b>5EA kiosks removed. Total work priced at \$29,268.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #22</b>
1251-0039	01/17/12	082-0039	1				+4,752	Requested by Muni Operation. <b>COMPLETE, NO FURTHER ACTION; CMOD #22</b>
1251-0040	02/15/12	082-0040	6	CMB-0070	Agree	04/11/12	+45,000	AT&T requested SFMTA for Synergy to rebuild manhole 133 at Post/Stockton. COR #64 <b>AT&amp;T agreed to reimburse SFMTA (\$45,000) through the Form B process.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #14</b>
1251-0041	02/15/12	082-0041	6	CMB-0070	Agree	04/11/12	+23,704	AT&T requested SFMTA for Synergy to extend their conduit from vault to vault instead of wye-casting into exiting duct bank. COR #63 <b>AT&amp;T agreed to reimburse SFMTA (\$23,704) through the Form B process.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #14</b>
1251-0042	02/15/12	082-0042	6	CMB-0070	Agree	04/11/12	+31,525	AT&T requested SFMTA for Synergy to extend their conduit from vault to vault instead of wye-casting into exiting duct bank. COR #62 <b>AT&amp;T agreed to reimburse SFMTA (\$31,525) through the Form B process.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #14</b>
1251-0043	02/15/12	082-0043	6	CMB-0076	Agree Conditionally	10/03/12	+52,607	Agreed cost shown in Trends 29 and 40 is for installing vaults only. Cost to demo existing vaults is tracked on force account (estimated cost at \$15k each vault). <b>AT&amp;T agreed to reimburse SFMTA (\$52,607) through the Form B process.</b> <b>CMB Agreed contingent on receipt of confirmation letter from AT&amp;T for costs associated with these three trends</b> <b>(CMB 0076 approval - see Trend CN1251 #'s 72 &amp; 80)</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #23</b>
1251-0044	02/15/12	082-0044	3	CMB-0078	Agree	09/12/12	+11,438	Contract plan SW-4 shows an existing lateral to be connected to new main. However, the 8" lateral is too big to be connected directly to the new 14" main necessitating a new connection to the manhole. However, numerous existing utilities were in the way and required installation of a new lateral at a higher elevation. Due to the raised lateral invert, modification to the building is also needed. <b>COMPLETE, NO FURTHER ACTION; CMOD #18</b>

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1251-0045	02/15/12	082-0045	3	CMB-0078	Agree	09/12/12	+30,260	Contract plan SW-3 shows 2 each existing laterals coming from the Union Square garage to be connected to the new main at approximate sta 128+55. However, the laterals were found to be connected to the downstream end of the existing main (toward Geary), which is called for to be abandoned in 1251 to make room for the future station. (See Trends #37 and 44) <b>COMPLETE, NO FURTHER ACTION; CMOD #18</b>
1251-0046	03/06/12	082-0046	6				+80,000	The two (2) existing PG&E duct banks that were supposed to be intercepted by vault 584 were wider than shown on plan. Vault 584 was needed to be enlarged in order to capture the two (2) ductbanks. <b>PG&amp;E agreed to reimburse SFMTA (\$80,000) through the Form B process.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #24</b>
1251-0047	04/10/12	082-0047	2	CMB-0082	Agree	10/31/12	+15,357	Contract plan JT-301 calls for an intercept vault to capture 2 (E) Muni ductbanks (DB). These DBs were found to be farther apart than shown on plan. The intercept vault needs to be widened. <b>(CMB 0082 approval - see Trend CN1251 #'s 47, 58 &amp; 78)</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #26</b>
1251-0048	04/10/12	082-0048	2					Contractor's hollow stem auger got stuck during drilling of micropile #27C in front of 17 Stockton. Contractor claims differing condition as cause for the stuck auger. Contractor is asking for 1 day compensable time extension. SFMTA is reviewing claim for entitlement. COR #67 <b>RE Denied COR (City Letter 26); however Contractor will most likely send rebuttal.</b> <b>CLOSED; NO FURTHER ACTION.</b>
1251-0049	04/10/12	082-0049	2	CMB-0083	Agree	11/07/12	+9,058	Existing footing of One Stockton was found to be recessed from property line. City's response to RFI 171 called for additional rebar to compensate for the gap between back of new enclosure wall and existing footing. Also, the Owner's contractor of 17-19 Stockton asked that Synergy clear his work area so he can pour the primary wall and bring in his new switchgear. Synergy is asking 2 days compensable time extension. <b>(CMB 0083 approval - see Trend CN1251 #'s 53, 59, and 64)</b> <b>COMPLETE, NO FURTHER ACTION</b>
1251-0050	04/10/12	082-0050	2	CMB-0074	Agree	08/15/12	+48,898	Type 770 pole foundation at SW 5th/Folsom could not be installed per plan due to a conflict with a cistern. Only solution is to remove an existing pole foundation (recently installed in 1251 as contract work) to make room for the 770 pole foundation. At 5th/Folsom, 2 DPT mast arms (not shown in original plan) need to be installed. At Pole #811, an existing concrete wall is in conflict with pole foundation. <b>(CMB 0074 approval - see Trend CN1251 #'s 67, 74 &amp; 75)</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #20</b>
1251-0051	04/10/12	082-0051	6				+23,633	PG&E requested to reroute existing duct bank running north out of MH 1803 at 4th/Pioneer Place into MH 5464 at Market/Ellis <b>PG&amp;E agreed to reimburse SFMTA (\$23,633) through the Form B process.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #24</b>
1251-0052	04/10/12	082-0052	2	CMB-079	Agree	10/10/12	+27,234	An unforeseen existing waterline was found to be in conflict with PG&E vault 573 and needs to be rerouted per City's response to RFI #182. <b>(CMB 0079 approval - see Trend CN1251 #'s 65 &amp; 70).</b> <b>This is potentially a E&amp;O issue due to unforeseen existing waterline on discovered along Geary Street (east of Stockton Street) not shown in the contract drawings.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #28</b>

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1251-0053	04/10/12	082-0053	Additional cost for premium to accelerate contract work	1	CMB-083	Agree	11/07/12	+10,591	SFMTA directed Synergy to accelerate work to advance PG&E and AT&T cut-over and allow CN 1252 Contractor to start work at UMS COR #74 <b>PG&amp;E agreed to reimburse SFMTA (\$10,590) through the Form B process.</b> 11/07/12 (CMB 0083 approval - see Trend CN1251#'s 49, 59, and 64) <b>COMPLETE, NO FURTHER ACTION; CMOD #27</b>
1251-0054	04/17/12	082-0054	Additional waterproofing at FIDM and north end of Crate & Barrel	2				+8,151	Sidewalk in front of FIDM and north end of Crate & Barrel did not have a sub-sidewalk basement, hence the original plan did not call for waterproofing of the primary wall. While excavating for the joint trench, contractor found the existing waterproofing to be spalling and peeling off from the primary wall. COR #72 <b>COMPLETE, NO FURTHER ACTION; CMOD #22</b>
1251-0055	04/17/12	082-0055	Install Swiveloc lids on all PG&E vaults	6					PG&E requested SFMTA to add this scope to the 1251 contract for safety reason. COR #72 SFMTA <b>decided to defer this work to the 1252 contract.</b> <b>COMPLETE, NO FURTHER ACTION;</b>
1251-0056	05/31/12	082-0056	Additional work on force account related to sewer installation	2				+45,156	Additional work due to unforeseen and differing conditions during installation of sewer. <b>COMPLETE, NO FURTHER ACTION; CMOD #15</b>
1251-0057	05/31/12	082-0057	Additional work on force account related to water installation and NRG vault demolition	2				+39,599	Additional work due to unforeseen and differing conditions during installation of water and demolish existing NRG vaults that are in conflict with utility installation. <b>COMPLETE, NO FURTHER ACTION; CMOD #16</b>
1251-0058	05/31/12	082-0058	Additional streetlight conduit on 5th Street between Harrison and Bryant	2	CMB-0083	Agree	10/31/12	+17,754	The existing streetlight pullboxes new cables were supposed to be connected to per contract plan did not have power. New conduit needs to be install from the power source. COR #75  (CMB 0082 approval - see Trend CN1251 #'s 47, 76 & 78) <b>COMPLETE, NO FURTHER ACTION; CMOD #25</b>
1251-0059	06/26/12	082-0059	Accelerate contract work at Barney's front	1	CMB-0083	Agree	11/07/12	+16,948	As a result of numerous meetings and complaints by Barneys, it was decided to accelerate contract work in order to restore Barneys sidewalk earlier (CMB 0083 approval - see Trend CN1251 #'s 53, 49, and 64) <b>COMPLETE, NO FURTHER ACTION; CMOD #27</b>
1251-0060	06/26/12	082-0060	Final Bid Item Reconciliation	4				(508,961)	Bid item analysis for entire contract as of 6/12/12.
1251-0061	06/26/12	082-0061	Excavate for PG&E cutover at 177 Stillman	6				+7,424	PG&E requested Synergy to excavate for PG&E cutover at 177 Stillman. Reference document: Email from Michael Lightstone dated 12/9/11 <b>PG&amp;E agreed to reimburse SFMTA (\$7,424) through the Form B process.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #24</b>
1251-0062		082-0062	Additional waterproofing at Macys Men's wall	2				+24,774	Contract did not call for waterproofing at Macys Men's wall. However, when contractor dug for the joint trench, it was found that the existing waterproofing has deteriorated and needed to be replaced. COR# 20 <b>COMPLETE, NO FURTHER ACTION; CMOD #22</b>
1251-0063		082-0063	Excavation and restoration cost for PG&E gas tie-in and kill holes. Part II	6				+56,458	After completion of Part I (see trend 32), PG&E had offered to self-perform the excavation and restoration of the gas tie-in/kill holes because PG&E had crews available to perform the work. However, PG&E no longer have available crews, hence Synergy had to continue and finish excavating and restoring the last tie-in/kill holes. <b>PG&amp;E agreed to reimburse SFMTA (\$56,458) through the Form B process.</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #24</b>

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1251-0064		082-0064 Accelerate finish and detail work of AT&T and PG&E vaults	1	CMB-0083	Agree	11/07/12	+4,704	In order to expedite turn-over of AT&T and PG&E vaults, SFMTA directed Synergy to accelerate the detailing and finish work of these vaults. SFMTA will pay Synergy premium cost for OT hours. 11/07/12 - (CMB 0083 approval - see Trend CN1251 #'s 53, 59, and 49) <b>COMPLETE, NO FURTHER ACTION; CMod #27</b>
1251-0065		082-0065 Additional fittings for AWSS lateral and chipping of pole foundation at Market/Ellis	2	CMB-0079	Agree	10/10/12	+20,412	An existing Muni pole foundation is in the way of the AWSS lateral. Additional fittings are required to complete contract work. (CMB 0079 approval - see Trend CN1251 #'s 52 & 70) This is potentially an E & O issue due to an existing Muni pole foundation is in the way of the AWSS lateral. <b>COMPLETE, NO FURTHER ACTION; CMod #28</b>
1251-0066		082-0066 Intercept PG&E conduits at Vault 573 at Geary east of Stockton	6				+6,466	During installation of PG&E intercept vault 573, PG&E had incorrectly identified the conduits to be intercepted. This error was discovered during cut-over process by PG&E. PG&E agreed to reimburse SFMTA (\$6,466) through the Form B process. <b>COMPLETE, NO FURTHER ACTION; CMod #24</b>
1251-0067		082-0067 Additional feeder span, no-bo insulator and adjustment of guywire for the Folsom OCS bypass	3	CMB-0074	Agree	08/15/12	+32,149	SFMTA Electrical Designer had pointed out the new Folsom Bypass does not have enough capacity to power the new OCS necessitating installation of feeder spans. Also, adjustments to the guywire are necessary to mitigate conflict with new signal mast arms. COR #76 7/25/12 - RE presented COR to CMB; direction given to develop one CMod with all remaining items to be purchased for the new OCS bypass. (CMB 0074 approval - see Trend CN1251 #'s 50, 74 & 75) <b>COMPLETE, NO FURTHER ACTION; CMod #20</b>
1251-0068		082-0068 Extended Overhead cost from July 19, 2012 to August 16, 2012	1	CMB-0075	Agree Conditionally	10/03/12	+106,967	Contract is expected to be extended beyond the approved July 18, 2012 completion due to the following reasons: contractor was slowed due to accommodation of AT&T and PG&E cut-over, for example, contractor has to provide windows of time for AT&T to occupy its work space to provide continuity and efficiency for AT&T cut-over, contractor has to advance cleaning and detailing of vaults to turnover to AT&T and PG&E, these work are typically done as punchlist, contractor now has to sequence work and reallocate resources; SFWD cut-over is taking longer than expected; PG&E gas cut-over was delayed due to inability to access Armani building, this delay held up completion of sewer MH, SFWD connection and restoration on O'Farrell east; added change order work, i.e. additional PG&E conduit at vault 573 and additional excavation for AT&T cut-over at 240 Stockton. CMB Agreed contingent on receipt of letter confirming e-mail as presented in the meeting and content viewed related to agreement and remaining actions and release of funds. <b>COMPLETE, NO FURTHER ACTION; CMod #24</b>
1251-0069		082-0069 Removal of abandoned PG&E gas valve (8each) and install anodes	6				+4,737	PG&E asked Synergy to remove all abandoned gas valves (8each) and install anodes. PG&E agreed to reimburse SFMTA (\$4,737) through the Form B process. <b>COMPLETE, NO FURTHER ACTION; CMod #24</b>

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Item #	Date Initiated	Change Description	Change Type	CMB No.	Change Status		Projected Cost Impact +Exposure/(Benefit)	Comments	
					Approval Action	Approval Date	Actual/Forecast		
1251-0070		082-0070	Core drill primary wall and install interior plumbing at Armani and Disney for the fire service water cutover	2	CMB-0079	Agree	10/10/12	+14,034	Existing fire service inside the building is a thin-wall steel pipe that extends out to the previously existing sub-sidewalk basement. However, 1251 had backfilled the sub-sidewalk basement per contract, which now made the steel pipe susceptible to corrosion. SFWD does not want to tie-in to the steel pipe due to corrosion issue plus the fact that the pipe is thin walled, which makes welding almost impossible. A ductile iron pipe needs to be installed from the main and into the building. COR #77  (CMB 0079 approval - see Trend CN1251 #'s 52 & 65) <b>COMPLETE, NO FURTHER ACTION; CMOD #28</b>
1251-0071		082-0071	Install a new 8" backflow preventer for the fire service inside Macys Men's building	6					The new water main (installed in the 1251 Contract) is closer to the property line than the existing backflow preventer. State law stipulates that a backflow preventer be installed in between the property's fire suppression system and the water main. The SFWD refuses to make this connection until a proper backflow preventer is installed. SFMTA will insist on Macys to install its own backflow preventer. <b>CLOSED; NO FURTHER ACTION.</b>
1251-0072	08/08/12	082-0072	Additional AT&T trench from new vault 5829 to existing vault 127 on Geary east of Stockton	6	CMB-0076	Agree	10/03/12	+23,993	AT&T requested new conduits to maintain continuity between the 2 vaults. AT&T agreed to reimburse SFMTA (\$23,993) through the Form B process. <b>RE Tracking work on FAR</b>  CMB Agreed contingent on receipt of confirmation letter from AT&T for costs associated with these three trends (CMB 0076 approval - see Trend CN1251 #'s 43 & 80) <b>COMPLETE, NO FURTHER ACTION; CMOD #14</b>
1251-0073	08/08/12	082-0073	Additional work to install water and electrical utilities for Flower Stand on Geary west of Stockton	1				+17,966	Contract bid allowance for providing utility services for flower stands (UD-14) had been exhausted during relocation of 2 flower stands. A third and final flower stand is still needed to be relocated. <b>COMPLETE, NO FURTHER ACTION; CMOD #22</b>
1251-0074	08/08/12	082-0074	Traffic Signal modification at 5th/Folsom	1	CMB-0074	Agree	08/15/12	+16,429	Due to installation of OCS bypass on Folsom between 4th and 5th Streets, a left turn signal is required at 5th/Folsom. Additional signal heads and modification to the existing traffic signal is necessary. <b>RE Tracking work on FAR</b> (CMB 0074 approval - see Trend CN1251 #'s 50, 67, & 75 also). <b>COMPLETE, NO FURTHER ACTION; CMOD #20</b>
1251-0075	08/08/12	082-0075	Unforeseen conditions related to pole foundation installation for the Folsom OCS Bypass	2	CMB-0074	Agree	08/15/12	+12,568	Contractor encountered unforeseen concrete and brick substructures and abandoned utility lines. <b>RE Tracking work on FAR</b> (CMB 0082 approval - see Trend CN1251#'s 47, 58 & 78) <b>COMPLETE, NO FURTHER ACTION; CMOD #20</b>
1251-0076	08/08/12	082-0076	Adjustment to OCS on Mason Street	2/3	CMB-0082	Agree	10/31/12	+14,988	Modify bracket arm at existing Pole #511 to alleviate tension load and bending of pole. Realign trolley wire on Mason between Geary and Eddy to smoothen transition when shifting from right lane to left lane. Also, add intermediate guywire to prevent excessive sagging of bracket arms at various locations. <b>RE Tracking work on FAR</b> (CMB 0082 approval - see Trend CN1251#'s 47, 58 & 78) <b>COMPLETE, NO FURTHER ACTION; CMOD #26</b>

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1251-0077	09/12/12	082-0077 Additional work related to Qwest, TCG and UCCO facilities	2	CMB-0081	Agree Conditionally	10/31/12	+37,181	Qwest, TCG and UCCO requested Synergy to tie-in their existing conduits into the new vaults that Synergy installed per contract. The utility companies are responsible for connecting existing conduits into new vaults, therefore, this request is considered extra work. <b>Private Utilities companies agreed to reimburse SFMTA (\$37,181) through the Form B process.</b> <b>RE Tracking work on FAR</b> CMB agreement contingent upon CMod package to include evidence from all utilities that cost are reimbursable to SFMTA through the Form B process. <b>COMPLETE, NO FURTHER ACTION; CMOD #25</b>		
1251-0078	09/12/12	082-0078 Unforeseen conditions encountered during excavation and installation of OCS poles along Mason and 5th Streets.	2	CMB-0082	Agree	10/31/12	+27,645	Several obstructions, i.e. buried concrete, boulders, brick, abandoned utilities were discovered during excavation and installation of OCS poles along Mason and 5th Street. <b>RE Tracking work on FAR</b> (CMB 0082 approval - see Trend CN1251 #'s 47, 58 & 76) <b>COMPLETE, NO FURTHER ACTION; CMOD #26</b>		
1251-0079	09/12/12	082-0079 Additional work related to installation of PG&E Vaults 467, 571, 573, 586 and 594 including joint trench leading to these vaults	2				+44,530	Unforeseen conditions were encountered during installation of select PG&E vaults including joint trenches leading to these vaults. <b>PG&amp;E agreed to reimburse SFMTA (\$44,530) through the Form B process.</b> <b>RE Tracking work on FAR</b> <b>COMPLETE, NO FURTHER ACTION; CMOD #24</b>		
1251-0080	09/12/12	082-0080 Additional work related to installation of AT&T Vaults 5828, 5829, 5830, 5831, 5832 and 5833 including joint trench leading to these vaults	2	CMB-0076	Agree	10/03/12	+56,806	Unforeseen conditions were encountered during installation of select AT&T vaults including joint trenches leading to these vaults. <b>AT&amp;T agreed to reimburse SFMTA (\$56,805) through the Form B process.</b> <b>CMB Agreed contingent on receipt of confirmation letter from AT&amp;T for costs associated with these three trends</b> (CMB 0076 approval - see Trend CN1251 #'s 43 & 72) <b>COMPLETE, NO FURTHER ACTION; CMOD #23</b>		
1251-0081	09/13/12	082-0081 PG&E concrete cover versus CDF on electrical duct bank	6	CMB-0107	Agree	02/13/13	+43,882	Contract Plan JT-014 calls for CDF cover on PG&E duct bank. However, PG&E requested to use regular concrete due to heat dissipation problem with CDF. <b>PG&amp;E agreed to reimburse SFMTA (\$43,881) through the Form B process.</b> 12/19/12 - Presented to CMB, direction given to finalize cost and obtain a Form B agreement with PG&E 02/13/13 - Revised CMod presented to CMB. PG&E agreed with negotiated reimbursement amount. <b>COMPLETE, NO FURTHER ACTION</b>		
<b>Contract 1251 Totals</b>							+3,962,032	<b>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.</b> <b>Changes that will be Utility Reimbursement credits through the Form B process in the amount of \$1,224.828 will increase the UNDERRUN.</b> <b>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</b>		
<b>Contract 1252</b>		<b>COR No.</b>	<b>PCC No.</b>	<b>1252 Change Description</b>	<b>Change Type</b>	<b>CMB Change No.</b>	<b>Configuration Management Board Agree/Disagree</b>	<b>Decision Date</b>	<b>Actual/Forecast</b>	<b>Comments</b>

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1252-0001	04/23/12	1	AWSS Conflict w/ Low Pressure Water	6	CMB-0091	Agree to Merit Agree to Cost	10/10/12 01/16/13	+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 - EE brought to CMB for cost NOT TO EXCEED \$16,900 - Agreed
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	+55,132	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 - EE brought to CMB for cost NOT TO EXCEED \$58,000 - Agreed
1252-0003	04/23/12	3	AT&T Vault Conflict-4th & Harrison	6	CMB-0092	Agree to Merit Agree to Cost	10/10/12 01/16/13	+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 - EE brought to CMB for cost NOT TO EXCEED \$21,089 - Agreed 04/01/13 - CM team must obtain in writing from AT&T a utility agreement for cost reimbursement.
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 - EE brought to CMB for cost NOT TO EXCEED \$7,600 - Agreed 04/01/13 - CM team must obtain in writing from PG&E a utility agreement or cost reimbursement. COMPLETE, NO FURTHER ACTION: CMOD #10 - Final Cost \$7,402.36
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. 01/16/13 - Merit info presented to CMB - Agreed 01/16/13 - EE brought to CMB for cost NOT TO EXCEED amount \$10,000 COMPLETE, NO FURTHER ACTION; CMOD #05 - Final Cost \$9,979.81
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. 01/30/13 Elevation Ladder documentation presented for review of unresolved issue of payment of Indirect costs for TIA submittals- COR 008

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1252-0007	06/12/12	9	MOS – Impacts due to SFWD low psi water line	2	CMB-0143	Agree to Merit Agree to Cost	11/06/13	+5,727	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 No Merit presented to CMB for - Agreed. Contractor did not follow contract specification 02.30.00 and 02.41.00 requiring the Contractor to verify the locations of any City or public service utility company facilities that may be affected by excavation and to ensure no damage to existing underground facilities. 11/06/13 - Merit info presented to CMB - Agreed for partial merit of cost associated with excavating two additional "kill-holes on 06/20/12 & 06/21/12. 11/06/13 - EE brought to CMB for cost NOT TO EXCEED \$5,727.00 - Agreed
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 01/16/13	+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 - EE brought to CMB for cost NOT TO EXCEED \$4,919.54 - Agreed 04/01/13 - CM team must obtain in writing from PG&E a utility agreement for cost reimbursement. COMPLETE; NO FURTHER ACTION: CMOD #03 - Final Cost 4,915.54
1252-0009	07/02/12	11	MOS - Traffic Signal line re-route south headwall	6	CMB-0095	Agree to Merit Agree to Cost	01/16/13	+37,500	After potholing Synergy discovered several traffic lines which were in the proposed location of the south MOS headwall. Traffic Lines re-routed. Merit info presented to CMB - Agreed 01/16/13 - CMB - NOT TO EXCEED \$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 01/16/13	+16,893	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 - EE brought to CMB for cost NOT TO EXCEED \$7,600 - Agreed COMPLETE; NO FURTHER ACTION: CMOD #06 - Final Cost \$16,892.96
1252-0011	07/06/12	13	MOS - SL conduit from PG&E vault @ north headwall	6		Agree to Merit	11/28/12	-0-	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 04/01/13 - CM Team must obtain in writing from PG&E a utility agreement for cost reimbursement. Will be issued as a PCC with the approval of PG&E prior to requesting a proposal from the Contractor. CLOSED; NO FUTHER ACTION
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 - EE brought to CMB for cost NOT TO EXCEED \$96,000 - Agreed

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1252-0013	07/02/12	17	MOS – Impacts @ North and South Headwalls due to live utilities	6	CMB-0144	Agree to Merit Agree to Cost	11/06/13	+43,219	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. CMB Agreed to No Merit to this contract change. 11/06/13 - Merit info presented to CMB - Agreed to DSC for equipment standby costs for a period of 16 working days. 11/06/13 - EE brought to CMB for cost NOT TO EXCEED \$43,219 - Agreed
1252-0014	Closed	19	UMS - Grant street 2 way conversion (e- & striping)	7				-0-	In order to implement a full street closure for Stockton Street at the UMS location the DPT recommended that Grant Street be converted from an existing one-way street to a two way street for vehicular traffic. Closed - Work is done. 07/18/12 - This potential change was brought before the CMB. Board's decision to have DPT perform the work. Work is completed. CLOSED; NO FURTHER ACTION
1252-0015	06/22/12	20	PROJECT WIDE - Utility Demo limit reduction credit	7				-0-	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. SFMTA to BIH/SPM "Build per Plan". CLOSED; NO FURTHER ACTION
1252-0016	04/02/12	21	UMS - Reduced Duration	5	CMB-0073	Agree Cost (Conditionally)	08/01/12	-0-	No cost change for acceleration of utility relocation, ground improvements (jet grouting), and headwall construction at Union Square/Market Street Station. 08/01/12 - CMB approval condition upon incorporating correctness to backup documentation as required by & documented in CMB mtg. RE to prepare modification. COMPLETE; NO FURTHER ACTION: CMOD #08 - No Cost Change
1252-0017	07/10/12	22	MOS - Asbestos Pipe at north headwall	2	CMB-0090	Agree to Merit Agree to Cost	12/12/12 01/09/13	+5,705	Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered friable asbestos-laden transite pipe. 12/12/12 - Merit info presented to CMB - Agreed 01/09/13 - EE brought to CMB for cost NOT TO EXCEED \$6,000 - Agreed COMPLETE; NO FURTHER ACTION: CMOD #05 - Final Cost \$5,707.05
1252-0018	07/10/12	23	MOS - Brick Wall #2 discovered @ north headwall	2				+16,025	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 - Evaluation of merit presented to CMB - Agreed to No Merit to this contract change.
1252-0019	08/10/12	26	MOS - Asbestos Pipe at south headwall	2	CMB-0085	Agree to Merit Agree to Cost	12/12/12 01/09/13	+27,630	Transite pipe was discovered during MOS south headwall excavation. 12/12/12 - Merit info presented to CMB - Agreed 01/09/13 EE brought to CMB for cost NOT TO EXCEED \$30,000 - Agreed COMPLETE; NO FURTHER ACTION: CMOD #15 COMPLETE, NO FURTHER ACTION: CMOD#15 - Final Cost \$27,629.64
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 01/09/13	+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 \$8,600 COMPLETE, NO FURTHER ACTION: CMOD #05 - Final Cost \$8,225.68

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1252-0021	06/19/12	29	MOS - Todco scaffolding reimbursement	2	CMB-0097	Agree to Merit Agree to Cost	12/12/12 01/16/13	+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 - EE brought to CMB for cost NOT TO EXCEED \$1,717 - Agreed COMPLETE, NO FURTHER ACTION: CMOD #03 - Final Cost \$1,717.83
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. CLOSED; NO FURTHER ACTION
1252-0023	05/30/12		Manhole in east guidewall footprint	2				-0-	While performing excavation for the east side guidewalls at the TBM Launch Box, BIH's subcontractor CJA-NCC encountered a manhole near the bottom of the excavation which was unexpected. BIH has stated that removal of the manhole prior to the installation of the guidewalls was necessary to ensure the successful installation of the slurry walls. 05/20/12 - CM Team comment: Synergy traded this COR with SFMTA for shallow Force Main Installation. CLOSED; NO FURTHER ACTION
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. CLOSED; NO FURTHER ACTION
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. Escalated to the IRL process
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. CLOSED; NO FURTHER ACTION
1252-0027	Closed		MOS - 76 Gas Station fencing	1				-0-	SFMTA requested BIH to install fencing around the perimeter of the 76 gas station at 4th and Folsom St. 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. CLOSED; NO FURTHER ACTION
1252-0028	Closed		LB - SPTC delays due to concrete encased 8" sewer	2				-0-	Closed. Combined with COR 015. 07/25/12 - Verbal information presented to CMB as a potential change. CLOSED NO FURTHER ACTION

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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
						Approval Action	Approval Date	Actual/Forecast	
1252-0029	08/06/12	18	MOS - South Headwall re-design	1				+144,000	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. 04/17/13 - Elevation Ladder of unresolved issue of End Stops presented to CMB - COR 018 09/18/13 - Contractor has submitted a Contract Claim No. 1 Permanent End Stops at MOS Headwall for \$169,379.17. CMB directed the CM Team to draft a letter rejecting the claim. Claim #1 has been negotiated for \$144K. CMod will be issued.
1252-0030	08/02/12	24	Ellis - Utility demolition	3	CMB-0135	Agree to Merit Agree to Cost	12/6/2012 10/09/13	+35,628	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 10/09/13 - Engineers Cost Comparison brought to CMB for cost NOT TO EXCEED \$35,628.22 - Agreed
1252-0031	Closed		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. CLOSED; NO FURTHER ACTION
1252-0032	08/07/12	28	Ellis asbestos abatement	2		Agree to Merit	12/06/12	+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 01/10/13 - CM Comment - To be paid out of Environmental Mitigation allowance GE-8.
1252-0033	-	30	LB - Class 1 Hazardous Material Haul off	2				+400,000	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. 09/18/13 - Contractor has submitted a Contract Claim No. 2 Haz Mat Removal - Caltrans site (COR 30, 45 & 75) for 708,929.00 CMB directed the CM Team to draft a letter rejecting the claim. Claim #2 has been negotiated for \$400K cost to include COR's 030, 054 & 075.
1252-0034	01/00/00	70	LB - Jet Grout Quantity Overrun	4	CMB-0115	Agree to Merit Agree to Cost	03/20/13 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 - EE brought to CMB for cost NOT TO EXCEED \$599,900 - Agreed COMPLETE; NO FURTHER ACTION: CMOD #22 - Contractor may pursue addl amt. \$168,700 for "scallop" portion of jet grout.
1252-0035	01/00/00	unsubmitted	Utility Removal UD-304 and UD-503	6				-0-	RFI 00134 asks whether certain utilities indicated on drawings UD-304 (On Stockton inside limits of future UMS Station) and on UD-503 (On Fourth and Stillman Streets outside limits of Launch Box) may be left in place. Answer: "Confirmed, the utilities in question can be abandoned in place and are not required to be removed. The Engineer will seek an adjustment to Bid Item GB-3 for the elimination of this work." COR package not submitted by Contractor. CLOSED; NO FURTHER ACTION
1252-0036	05/17/12	35	Additional Road Base on Fourth Street	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 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. CLOSED; NO FURTHER ACTION

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1252-0037	01/00/00	unsubmitted	DPW permitting potential impacts	7				-0-	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. COR package not submitted by Contractor. CLOSED; NO FURTHER ACTION
1252-0038	05/30/12	38	Manhole in West Guidewall Footprint	3	CMB-0101	Agree to Merit Agree to Cost	12/05/12 01/23/13	+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 - EE brought to CMB for cost NOT TO EXCEED \$4,052.17 - Agreed COMPLETE; NO FURTHER ACTION: CMOD #12 - Final Cost \$3,820.84
1252-0039		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. CLOSED; NO FURTHER ACTION
1252-0040	08/23/12		PCC No.1 - Revisions to Moscone North Headwall Elevation (Top)	1	CMB-0099	Agree to Cost	01/16/13	+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 \$20,500 Item is now being tracked as PCC 01 COMPLETE; NO FURTHER ACTION: CMOD #07 - Final Cost \$20,358.23
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 PCC No longer being pursued. CLOSED; NO FURTHER ACTION
1252-0042	08/24/12	31	Retrieval Shaft - Unmarked 12" Steel Pipe	2	CMB-0108	Agree to Merit Agree to Cost	01/02/13 02/27/13	+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 02/27/13 - EE brought to CMB for cost NOT TO EXCEED \$1,250 - Agreed 04/01/13 - No reimbursement from SFWD. COMPLETE; NO FURTHER ACTION: CMOD #13 - Final Cost \$1,200
1252-0043	08/31/12	32	LB - Panel W29 Wood Pile	2	CMB-0136	Agree to Merit Agree to Cost	11/28/2012 11/06/13	+121,917	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 11/06/13 - EE brought to CMB for cost NOT TO EXCEED \$41,961 - Agreed Direct Cost for CORs 32, 34, 42, 43, 62, 65, 67 have been negotiated. Time Impacts in IRL process. 02/19/14 - Direct cost for COR will be paid as agreed by both parties. Time and Delay claimed by the Contractor will be denied.

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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. Due to PCC 10 CLOSED; NO FURTHER ACTION
1252-0045	09/11/12	34	LB - Panel W28 Wood Pile	2	CMB-0137	Agree to Cost	11/06/13	+112,862	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. 11/06/13 - EE brought to CMB for cost NOT TO EXCEED \$43,294 - Agreed Direct Cost for CORs 32, 34, 42, 43, 62, 65, 67 have been negotiated. Time Impacts in IRL process. 02/19/14 - Direct cost for COR's will be paid as agreed by both parties. Time and Delay as claimed by the Contractor will be denied.
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. COR package not submitted by Contractor. CLOSED; NO FURTHER ACTION
1252-0047	01/00/00	37	UMS - 12" steel pipe removal	3	CMB-0132	Agree to Merit Agree to Cost	6/5/2013 08/28/13	+3,379	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. 06/05/13 - Merit info presented to CMB - Agreed 08/28/13 - EE brought to CMB for cost NOT TO EXCEED \$3,379.19 - Agreed
1252-0048	09/07/12	39	MOS - 16" Steel Pipe removal @ northeast headwall	3	CMB-0102	Agree to Cost	01/23/13	+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 - EE brought to CMB for cost NOT TO EXCEED amount \$2,951.99 - Agreed 04/01/13 - CM team must obtain in writing from PG&E a utility agreement for cost reimbursement. COMPLETE; NO FURTHER ACTION: CMOD #14 - Final Cost \$2,951.99
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. CLOSED; NO FURTHER ACTION
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	01/16/13	+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 - EE brought to CMB for cost NOT TO EXCEED \$1,245 04/01/13 - CM team must obtain in writing from PG&E a utility agreement for cost reimbursement. COMPLETE; NO FURTHER ACTION: CMOD #10 - Final Cost \$1,216.60
1252-0051	01/00/00	executed	Contract Amendment No. 2	1				(3,040,713)	COMPLETE; NO FURTHER ACTION: CMOD #02

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1252-0052	08/17/12	42	LB - Panel W25 Wood Pile	2	CMB-0138	Agree to Merit Agree to Cost	11/28/12 11/16/13	+126,489	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 presented - CMB agreed 11/06/13 - EE brought to CMB for cost NOT TO EXCEED \$42,894 - Agreed Direct Cost for CORs 32, 34, 42, 43, 62, 65, 67 have been negotiated. Time Impacts in IRL process. 02/19/14 - Direct Cost for COR's will be paid as agreed by both parties. Time and Delay claimed by the Contractor will be denied.
1252-0053	08/22/12	43	LB - Panel W30 Wood Pile	2	CMB-0139	Agree to Merit Agree to Cost	11/28/12 11/06/13	+88,677	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 11/06/13 - EE brought to CMB for cost NOT TO EXCEED \$14,197 - Agreed Direct Cost for CORs 32, 34, 42, 43, 62, 65, 67 have been negotiated. Time Impacts in IRL process. 02/19/14 - Direct cost for COR's will be paid as agreed to by both parties. Time and Delay claimed by the Contractor will be denied.
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 02/27/13	+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 - EE brought to CMB for cost NOT TO EXCEED \$1,800 - Agreed COMPLETE; NO FURTHER ACTION: CMOD #14 - Final Cost \$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. 04/01/13 - CM team must obtain in writing from AT&T a utility agreement for cost reimbursement. 09/18/13 - Contractor has submitted a Contract Claim No. 2 Haz Mat Removal - Caltrans site (COR 30, 45 & 75) for 708,929.00. The CMB directed the CM Team to draft a letter rejecting the claim.
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 01/23/13	+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. 12/06/12 - CMB agreed with Evaluation of Merit 01/23/13 - EE brought to CMB for cost NOT TO EXCEED \$7,461 - Agreed COMPLETE; NO FURTHER ACTION: CMOD #16 - Final Cost \$7,475.28
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 01/23/13	+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 - No reimbursement from SFWD COMPLETE; NO FURTHER ACTION: CMOD #13 - Final Cost \$2,108.04

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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	+11,675	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 - EE brought to CMB for cost NOT TO EXCEED \$12,474.65 - Agreed COMPLETE; NO FURTHER ACTION: CMOD #16 - Final Cost \$11,675.00
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. SFMTA Letter No. 119 of no merit sent to Contractor. CLOSED; NO FURTHER ACTION
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 - EE brought to CMB for cost NOT TO EXCEED \$2,600 - Agreed 04/01/13 - No reimbursement from SFWD COMPLETE; NO FURTHER ACTION: CMOD #13 - Final Cost \$2,200
1252-0061	10/11/12	51	Ret Shaft - Elevation design conflict (30" low psi water / sewer)	3	CMB-0123	Agree to Merit Agree to Cost	03/13/13 7/10/2013	+13,386	03/13/13 - Merit info presented to CMB - Agreed 07/10/13 EE brought to CMB for cost NOT TO EXCEED \$21,100.
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				-0-	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. Claim #2 has been negotiated cost to include COR's 030, 054 & 075.
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. CLOSED; NO FURTHER ACTION
1252-0065	12/18/12		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. CLOSED; NO FURTHER ACTION
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 - EE brought to CMB for cost NOT TO EXCEED \$860.85 - Agreed COMPLETE; NO FURTHER ACTION: CMOD #13 - Final Cost \$700

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1252-0068	10/10/12		PCC No. 3 - General Detour Signage	1	CMB-0113	Agree to Cost	10/03/12 02/27/13	-0-	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 Signs furnished and installed by SFMTA, PCC withdrawn. CLOSED; NO FURTHER ACTION
1252-0069	11/08/12		PCC No. 6 - Supplemental instrumentation of BART tunnel lining.	1	CMB-0124 (voided) CMB-0129 (voided) CMB 0131	Agree to Merit Agree to Cost Agree to Cost	10/13/12 07/10/13 08/07/13 08/09/13	+307,861	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. 05/08/13 - PCC 06 cost comparison was presented. CMB felt \$624K to perform the work was too high and requested IRP be contacted in writing to find out if the additional instrumentation monitoring was still warranted given the new alignment. 06/05: CS Letter No. 1972 presented - Tunnel Design Changes sent to IRP notified them of recent changes and developments in the tunneling contract. 07/10/13 - CMB - Not to Exceed \$650,127.62 IRP's response to SFMTA letter is still pending. 08/07/13 - EE brought to CMB for cost NOT TO EXCEED amount \$305K contingent upon revised estimate to reflect deletion in scope of work. 08/09/13 - Special CMB Mtg to clarify direction and approval to proceed with direction to the Contractor on extra work contained in PCC 06 (BART Work Scope reduction) The CMB Agreed to a NTE revised value of \$307,860 - Agreed COMPLETE; NO FURTHER ACTION: CMOD #19
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	CMB-0125	Agree to Merit	01/02/13	+377	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. 07/24/13 - CMB agreed to cost of reconciliation change - NTE \$1,100 - Agreed
1252-0072	11/14/12	62	LB – Panel P-9 Buried Obstruction	2	CMB-0140	Agree to Merit Agree to Cost	1/23/2013 11/06/13	+116,663	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. 11/06/13 - EE brought to CMB for cost NOT TO EXCEED \$41,588 - Agreed Direct Cost for CORs 32, 34, 42, 43, 62, 65, 67 have been negotiated. Time Impacts in IRL process. 02/19/14 - Direct Cost for COR's will be paid as agreed to by both parties. Delay or Time claimed by the Contractor will be denied.

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						Approval Action	Approval Date	Actual/Forecast	
1252-0074	11/16/12	65	LB – Panel P-12 Buried Obstruction	2	CMB-0141	Agree to Merit Agree to Cost	1/23/2013 11/06/13	+112,313	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. 11/06/13 - EE brought to CMB for cost NOT TO EXCEED \$40,523 - Agreed Direct Cost for CORs 32, 34, 42, 43, 62, 65, 67 have been negotiated. Time Impacts in IRL process. 02/19/14 - Direct cost for COR's will be paid as agreed to by both parties. Delay or Time claimed by the Contractor will be denied.
1252-0075	11/19/12	66	Retrieval Shaft - Unmarked 12" Steel Pipe	2	CMB-0112	Agree to Merit Agree to Cost	01/23/13 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 02/27/13 - EE brought to CMB for cost NOT TO EXCEED amount \$3,800 04/01/13 - No reimbursement from SFWD COMPLETE; NO FURTHER ACTION: CMOD #13 - Final cost \$3,700
1252-0076	11/19/12	67	LB - Panel P-10 Buried Obstruction	2	CMB-0145	Agree to Merit Agree to Cost	1/23/2013 11/06/13	+82,933	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 11/06/13 - EE brought to CMB for cost NOT TO EXCEED \$49,984 - Agreed Direct Cost for CORs 32, 34, 42, 43, 62, 65, 67 have been negotiated. Time Impacts in IRL process. 02/19/14 - Direct cost for COR's will be paid as agreed to by both parties. Delay or Time claimed by the Contractor will be denied.
1252-0077	12/21/12		PCC No. 7 - BART Temporary Annex Wall	1	CMB-0106	Agree to Cost	01/30/13	+15,500	SFMTA is requesting Contractor construct temporary wall for Bart Annex for SFMTA use. 01/30/13 - NOT TO EXCEED Amount \$15,380 COMPLETE; NO FURTHER ACTION: CMOD #11 - Final Cost \$15,500
1252-0078	12/28/12		PCC No. 9 - UMS Headwall - Unknown Buried Pipe	1	CMB-0100	Agree to Merit Agree to Cost	01/16/13 01/16/13	+75,000	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 - EE brought to CMB for cost NOT TO EXCEED amount \$75,000 04/01/13 - CM team must obtain in writing from AT&T a utility agreement for cost reimbursement. COMPLETE; NO FURTHER ACTION: CMOD #04
1252-0079	01/09/13		PCC No. 10 - Relocation of TBM Retrieval Shaft Excludes Button Up Costs	1					Modify Bid Item ST-4 (Construction of Base Bid Permanent Retrieval Shaft) and ES-4 (Ground Treatment at Retrieval Shaft Breakouts) to relocate the TBM Retrieval Shaft to 1731-1741 Powell Street - (Excludes Utility Button Up and Site Restoration) 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. COMPLETE; NO FURTHER ACTION CMOD #20 (separate funding source used - CPT 690).

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**CENTRAL SUBWAY PROJECT**

**Project Trend/Change Control Log**

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1252-0080	12/19/12		Segment Measuring Frequency	7					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. 12/11/13 - The CMB took exception to the deletion of the (\$1.3M) from the log without the consent of the Board. Direction was given to re-insert the credit and add a notation to the "comments section" the reasoning the dollar amount is no longer valid and should be removed.
1252-0081	09/09/12		F21 and Old Navy Instrumentation Proposal	7					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	01/16/13	+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. 04/01/13 - CM team must obtain in writing from AT&T a utility agreement for cost reimbursement. COMPLETE; NO FURTHER ACTION: CMOD #16 - Final Cost \$2,000.00
1252-0083	11/08/12	69	UMS - Shoring Impacts due to 48" ATT Pipe at SW Headwall	2				+45,715	On or about 10-25-13, BIH/Synergy were installing sheet piles at the UMS SW head wall to demolish the existing basement wall in conflict with the head wall construction per contract requirements. During the driving of the sheet piles, Synergy struck a buried object which was later identified as a 48" Diameter steel pipe. See PCC 9 and 11. Synergy thought they were hitting a buried tie-back which was shown on the contract drawings. Synergy did not know at the time that they were hitting a buried 48" pipe. After hitting the buried object, Synergy installed additional sheet piles and enlarged the excavation area in order to clear the buried object and drive the sheet piles to the minimum embedment depth. Due to the larger excavation, Synergy is claiming impacts as a result of encountering this DSC including shoring revisions and for installing additional sheets. 06/05/13 - CM TEAM NOTES: COR 069 reopened by BIH to cover cost for enlarging excavation due to encountering the 48" buried pipe. Previously COR 069 was to cover capping and removal of the pipe until it was changed to PCC 11. 02/05/14 - CM TEAM NOTES: In IRL process
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 - EE brought to CMB for cost NOT TO EXCEED amount \$150,000 - Agreed 04/01/13 - CM team must obtain in writing from AT&T a utility agreement for cost reimbursement. COMPLETE; NO FURTHER ACTION: CMOD #09
1252-0085	01/24/13	71	LB – Ramp Excavation Obstructions	2	CMB-0133	Agree to Merit Agree to Cost	4/3/2013 09/25/13	+5,594	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. 09/25/13 - EE brought to CMB for cost NOT TO EXCEED amount \$5,700.

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						Approval Action	Approval Date		
1252-0086	02/08/13	72	Ellis Shaft Jet Grout Obstruction	2				-0-	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. Contractor no longer pursuing. CLOSED; NO FURTHER ACTION
1252-0087	02/14/13	73	MOS - 16" Pipe removal @ NE Headwall	2	CMB-0118	Agree to Merit Agree to Cost	3/13/2013 05/08/13	+940	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 PG&E a utility agreement for cost reimbursement. 05/08/13 - CMB agreed to cost of reconciliation of change on FA - NTE \$989.00 - Agreed COMPLETE; NO FURTHER ACTION: CMOD #17
1252-0088	NA		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. CLOSED; NO FURTHER ACTION
1252-0089	03/11/13	75	Hazardous Waste Disposal Denial - Spoils Containment Cost Impacts	7				-0-	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. 09/18/13 - Contractor has submitted a Contract Claim No. 2 Haz Mat Removal - Caltrans site (COR 30, 45 & 75) for 708,929.00 CMB directed the CM Team to draft a letter rejecting the claim. Claim #2 has been negotiated to included COR 30, 54 and 75.
1252-0090	03/08/13	76	MOS - 16" Pipe removal @ SE Headwall	2	CMB-0119	Agree to Merit Agree to Cost	03/20/13 05/08/13	+1,116	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 PG&E a utility agreement for cost reimbursement. 05/08/13 - CMB agreed to cost of reconciliation of change on FA - NTE \$1,116.00 - Agreed COMPLETE; NO FURTHER ACTION: CMOD #17 - Final Cost \$1,116.00
1252-0091	03/06/13	77	Comp Grout - WFB-5 Drilling Obstruction	2	CMB-0126	Agree to Merit Agree to Cost	04/03/13	+6,126	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 07/24/13 - CMB agreed to cost of reconciliation change - NTE \$6,125.93 - Final Cost \$1,116.00
1252-0092	03/07/13	78	Comp Grout - WF & ATT	2		Agree to Merit	3/20/13	-0-	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 - CMB agreed there was No Merit for this contract change. 05/24/13 - CM Team Notes - Contractor no longer pursuing due to failure to provide proper notification. CLOSED; NO FURTHER ACTION.

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						Approval Action	Approval Date	Actual/Forecast	
1252-0093	03/07/13	79	FA CO 4 Comp Grout - Old Navy	2	CMB-0116 CMB-0142	Agree to Merit Agree to Merit (addl) Agree to Cost Agree to Addl Cost	03/20/13 04/24/13 04/26/13 11/06/13	+259,373	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 PG&E a utility agreement for cost reimbursement. 04/24/13 - Addl info presented for rationale for Contractor to demob and remob drill rig due to insufficient clearance between existing PG&E lines to drill the grout holes - Agreed 04/26/13 - COR presented at a special CMB mtg to notifying CMB of need to have Contractor perform work on FA4 for a NTE amount of \$70K. 05/15/13 - Addl request for funds to cover (Inefficiencies) - agreed for a not to exceed amount \$152,000. 11/06/13 - EE brought to CMB for cost NOT TO EXCEED \$37,380 for the (remaining cost) parts 2 and 3 of 4 - Agreed COMPLETE; NO FURTHER ACTION: CMOD #23
1252-0094	03/12/13	80	MOS – Asbestos Wrapped 20" water line @ Headwalls	2		Agree to Merit	04/03/13	+18,906	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 07/10/13 - CM Team Notes - To be paid out of Environmental Mitigation allowance GE-8.
1252-0095	03/11/13	81	12" Waterline Tee Connection Location (MOS South)	2		Agree to Merit	04/03/13	+3,001	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 COMPLETE; NO FURTHER ACTION: CMOD #17 - Final Cost \$3,000.00
1252-0096	03/13/13	82	MOS 20" Conflict with 16" AWSS @ South Headwall	2				+31,573	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. 01/22/14 - Item reviewed at the CMB mtg as a status update to potential cost exposure. Item now being discussed in the IRL process.
1252-0097	03/19/13	83	Ellis Shaft Concrete Obstruction	2	CMB-0127	Agree to Merit Agree to Cost	04/17/13 07/24/13	+1,420	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. 04/17/13 - Merit info presented to CMB - Agreed 07/24/13 - CMB agreed to cost of reconciliation change - NTE \$1,424.52 - Agreed
1252-0098	03/16/13	84	Crate & Barrel Water Intrusion	2				-0-	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. 07/03/13 - CM Team will deny merit, notice not received within 7 days. CLOSED; NO FURTHER ACTION

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1252-0099	04/05/13		PCC No. 12 - Modifications to Tunnel Alignment at Market Street	1	CMB-131	Agree to Merit Agree to Cost (Conditionally)	08/14/13 08/14/13	+1,671,332	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. 04/10/13 - Updated alignment was presented superseding 04/03/10 version - (lowered 4.9%) 04/10/13 - Original Contractor submittal needs to be evaluated to verify the new alignment has been incorporated. 08/14/13 - Merit Evaluation and PCC 12 Cost NTE (Construction portion) was presented to the CMB for approval. The CMB agreed to merit contingent upon verification signature by the Designer (DP1) of additional work and cost associated with the change. NTE Value \$41,470.01 - Agreed
1252-0100	03/26/13	85	SFWD Impacts at MOS North	2				+103,107	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. BIHJV claims 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 - Item reviewed at CMB meeting during review of Trend/Change Log COR's. CM team contends this is not a valid change and will reject the Contractor's claim of merit. Contractor has submitted a notification of Claim #3 for standby cost for this item. The CM Team will respond by 02/14/14.
1252-0101	01/28/13	87	Cross Passage 5 - Value Engineering Change Proposal	5				(2,674)	As indicated in Contract Drawing No. ES-144, ground treatment for the excavation of CP5 was anticipated to be performed using jet grouting methods. BIHJV proposes to perform ground freezing from within the tunnels as an alternative ground treatment methodology, thereby avoiding the need to disrupt and impact the public by occupying 4th Street for an extended period. 04/24/13 - Item reviewed at CMB mtg. during review of Trend/Change Log COR's. CMB suggested a credit from the Contractor should be received for Bid Item ES-5. In addition suggested a minimal review of the BIH's proposed ground freezing method be done by the PB. COMPLETE; NO FURTHER ACTION: CMOD #25
1252-0102	04/09/13		UMS - Secant Pile SRV-J Obstruction DSC	2				-0-	BIHJV's subcontractor, CJA-NCC, encountered a potential Differing Site Condition (DSC) while drilling for UMS Secant Pile #SRV-J. The DSC consists of what appears to be an abandoned utility pipe located approximately 10 feet deep. 04/24/13 - Information presented to CMB during review of Trend Log. CM Team states COR merit will be rejected due to notification of change not met in timely manner per the contract docs. 05/24/13 - CM Team update - Contractor no longer pursuing due to untimely notification of event. CLOSED; NO FURTHER ACTION.

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1252-0103	04/18/13	88	SFWD Impacts at MOS South	2				-0-	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. BIHJV claims 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. 05/08/13 - Information presented to CMB during review of Trend Log. CM Team states COR will be rejected due to no merit. This item is not on the critical path. 06/17/13 - Contractor no longer pursuing. CLOSED; NO FURTHER ACTION.
1252-0104	06/06/13	PCC 13, FA CO 5	PCC 13 - SFWD Excavation, Support and Backfilling	1	CMB-0122 CMB-0128	Agree to Cost Agree to Addl Cost	06/19/13 08/09/13	+33,982	Excavation, support and restoration work at two locations required to facilitate fitting/valve installation work by the San Francisco Water Department. Installation of valves are to facilitate fire service connection cutover and cutting off of the existing water main. The existing water main is in the footprint of the UMS station piles and is to be abandoned. 06/05/13 - CMB agreed to change required; work must be completed sometime in June 2013 06/19/13 - Cost estimate presented; CMB agreed for a NTE of \$20K 08/07/13 - CMB viewed the estimate requesting the narrative be rewritten to tell the entire story of what has generated the change. 08/09/13 - Special CMB Mtg to clarify direction and approval to proceed with direction to the Contractor on extra work contained in PCC 13 (Macy's Backflow work). CMB approved additional work and scope for a NTE value of \$14,100 for a total change value of \$34,100 COMPLETE; NO FURTHER ACTION: CMOD #18 executed for \$20K. Supplementary CMOD #24 executed for \$13,982 was issue for remaining cost.
1252-0105	05/30/13	90	Abandoned Well at MOS Panel N-4	2				+450,000	BIHJV's subcontractor, CJA-NCC, discovered an obstruction that appears to be an abandoned monitoring well within the Moscone Slurry Wall Panel "N-4". Contractor claims impacts resulting from this alleged DSC include, but are not limited to, excavation inefficiency, the required backfilling of the panel with lean concrete on multiple occasions, and re-excavations of the panel. 06/19/13 - Information presented to CMB during review of Trend Log. CM Team states COR will be rejected due to several reasons of "no merit " Items in the IRL process
1252-0107	12/13/12	92	Credit - North headwall panel N-2 at Moscone	7				(4,943)	During installation of the reinforcement cage at panel N-2 at the Moscone North Headwall a 1-inch dia. Polyester sling used for lifting could not be detached from the reinforcement cage. The slings were then casted in-place. SFTMA requested a credit CO for the CN 1300 contractor to demolish the concrete and slings and replace the structural concrete. 07/10/13 - NCR condition of the wall be provided in order to prepare engineer's estimate for credit amount. Negotiated amount to be deducted from pay estimate. COR has been rescinded.
1252-0108	04/11/13	91	Credit - Secant pile SRV-H, UMS south headwall	7				(263)	During concrete placement, the dummy steel beam that was used to hold down the secant pile steel beam reinforcement for pile SRV-H @ the UMS south headwall could not be removed and was poured in-place. SFTMA requested a credit CO for the CN 1300 contractor to demolish this beam between El. 16.66' and the beam top. Negotiated amount to be deducted from pay estimate. COR has been rescinded.

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1252-0109	09/24/12	93	Credit - 65 feet of water pipe not installed at MOS	7				+86,882	Contract Drawings WD-403 & WD-404 shows the 20" low pressure water line cutting through an area in the intersection where the joint trench is in the way. BIHJV's subcontractor, Synergy Project Management, with SFMTA's concurrence, installed the water line tie-in per a configuration which resulted in approximately 65' less line required to be installed. SFTMA requested a credit CO to eliminate 65' of the line.
1252-0110	02/06/13	94	Credit - Switching of the 12" and 20" lines at MOS	3				(30,466)	It was discovered that the field locations of the 12" water line and 20" water line were actually "switched" from the location shown in contract drawing WD-402 Rev.0. SFMTA requested a credit CO as less 20" water line was required to be installed than was originally anticipated.
1252-0111	07/16/13	95	Green St Shaft – Design Cost Impacts for Jet Grout	7				-0-	BIHJV: "BIH and CJA-NCC are in receipt of the SFMTA's revised submittal review comments for Submittal No 31.43.14-003 (review cycle 3) dated July 10, 2013, where the SFMTA determined that the previously submitted content does not fulfill the contract requirements. The submittal status was changed from "Approved" on March 21, 2013, to "Disapproved - Resubmit" on July 10, 2013. The SFMTA states that the submittal was reviewed in further detail and it was determined the submittal didn't fulfill the contract requirements. This new submittal determination will result in additional costs to the SFMTA." 07/24/13 - Information presented to CMB during review of Trend Log. CM Team preparing letter of no merit, due to disagreement of dwg shown. CLOSED; NO FURTHER ACTION
1252-0112	07/16/13	96	Micropiles @ UMS Tangent Pile SRB-H	2		Agree to Merit	07/31/13	-0-	Excavation for battered secant pile SRB-H began on July 12. At approximate depth of 30', CJN reported hitting an obstruction. Two, 36" and 45" long, No. 18, Dywidag bars were discovered within spoils of the first bite of the clamshell bucket. The 2-1/2" diameter bar was consistent with the micro piles installed in the previous contract. 07/24/13 - Draft merit evaluation presented to CMB. CM Team reported further investigation needed to verify survey location of micropiles. CMB requested a specific dwg of 1251 As Built of piles be presented at next CMB. 1251 Contractor will be put on notice referencing the CS CN1251 Ltr. #018 - Future Potential Costs Due to Incorrect Micropile Placement. 07/31/13 - Merit Approval presented to CMB - Agreed. Notification of Possible Microplie Obstruction to CN1252 and possible CN1300 work was sent to CN1251 Contractor. COR was rescinded. CLOSED; NO FURTHER ACTION
1252-0113	01/09/13		Relocation of TBM Retrieval Shaft - Columbus Ave. Restoration	1				+261,057	Modify Bid Item GE-3 (Utility Demo, Sewer, Road Demo, Pavement Restoration, etc.) to relocate the TBM Retrieval Shaft to 1731-1741 Powell Street - (Includes Utility Button Up and Site Restoration Only) 07/24/13 - Information presented to CMB during review of Trend Log. CMB requested LS Bid Item be broken-down based on contract work to see how much money would be put in to perform the restoration button up cost. In addition the CMB requested the item description be change to "Columbus Ave. Restoration" in order to not confuse it with PCC 10 Retrieval Shaft work. COMPLETE; NO FURTHER ACTION: CMOD #21
1252-0114	07/24/13	97	Ellis Shaft – TAM ES2-01 and ES2-17	2		Agree to Merit	08/28/13	-0-	BIHJV's subcontractor, CJA-NCC, discovered gravel material within the drill spoils from two separate Ellis Shaft TAM installations, TAM ES2-01 and ES2-17 08/14/13 - Item reviewed at CMB during review of Trend/Change Log COR's. GBR's will be checked to see if gravel material is known to exist in the drill location. 08/28/13 - Merit info presented to CMB - Agreed COR Rescinded CLOSED; NO FURTHER ACTION

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1252-0115	08/07/13	98	Ellis Shaft – TAM ES2-16	2		Agree to Merit	08/28/13		BIHJV's subcontractor, CJA-NCC, discovered gravel material within Ellis Shaft TAM installations, TAM ES2-1 08/14/13 - Item reviewed at CMB during review of Trend/Change Log COR's. GBR's will be checked to see if gravel material is known to exist in the drill location. 08/28/13 - Merit evaluation presented to CMB - Agreed COR Rescinded CLOSED; NO FURTHER ACTION
1252-0116	08/08/13	99	MOS – AWSS Vault Over pour @ South Headwall)	2	CMB-0134	Agree to Merit Agree to Cost	09/25/13	+2,394	BIHJV: "While performing AWSS work at the MOS South Headwall, Synergy crews found the mechanical joint Tee bolts, required for the AWSS point of connection, to be completely encased in concrete. The concrete encasement appeared to be concrete over pour remaining from a previous contractor's AWSS vault wall pour." 08/14/13 - Item reviewed at CMB during review of Trend/Change Log COR's. 09/25/13 - Merit evaluation presented to CMB - Agreed. 09/25/13 - Eng. Est. presented to CMB for cost NOT TO EXCEED \$2,400 - Agreed
1252-0117	08/15/13	100	Ellis Shaft TAM ES2-08	2		Agree to Merit	08/28/13		BIHJV: "August 12,2013, BIHJV's subcontractor, CJA-NCC, struck a hard unknown object while drilling the Ellis Shaft TAM ES2-08." 08/28/13 - Merit evaluation presented to CMB - Agreed CMB requested a investigation plan to be developed and included in this COR if the plan is implemented. COR Rescinded. CLOSED; NO FURTHER ACTION
1252-0118	08/23/13	101	Ellis Shaft TAM ES2-11	2					BIHJV's subcontractor, CJA-NCC, discovered gravel material within Ellis Shaft TAM installations, TAM ES2-11 09/11/13 - Viewed at CMB during review of Trend/Change Log COR's. CLOSED; NO FURTHER ACTION
1252-0119	09/03/13	102	UMS Jet Grout Column 18 DSC Headwall	2					While drilling down on column #18 at the UMS south headwall, BIHJV's subcontractor, CJA-NCC, encountered a hard unknown obstruction. 09/11/13 - Item reviewed at CMB mtg. during review of Trend/Change Log. 10/16/13 - DSC presented for merit approval - No action was taken by the CMB. The CM will investigate if the 1252 Contractor received the 1251 As built information by the start of operations. COR Rescinded. CLOSED; NO FURTHER ACTION
1252-0120	09/05/13	103	Retrieval Shaft Additional Slip Lining Pipe Qty	4					RFI 251.1 SFMTA Response: Specification 33 31 00 1.01.A.22 Sewer Work, states, " Slip lining existing 3-foot by 5-foot brick sewer with 16-inch and 24-inch diameter HDPE Pipe (polyethylene pipe) nominal size SDR 26." As such, slip lining is to be performed for both the 16" and 24" diameter HDPE pipe. Branches indicated in the supplied sketch to be relined along Stockton and Columbus are acceptable. In addition, the 33-ft long branch that crosses the alignment at CTL 86+35 must also be relined. Acceptable alternative (to fused HDPE) pipe materials and sizes for this branch can be proposed by BIH. BIH shall submit the propose alternative for this branch of pipe for SFMTA review. The use of coupled PVC is not acceptable." 09/11/13 - Item viewed at CMB mtg. during review of weekly Trend/change log. No dwg for this work only a table. CM Team working with designer to make the determination. Item now being tracked under PCC 16. CLOSED; NO FURTHER ACTION

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1252-0121	09/06/13	105	Retrieval Shaft Relocation of Seismograph	1					BIHJV: "BIHJV's instrumentation subcontractor, Wang, was directed to relocate one of the vibration monitoring devices (Seismograph) installed at the Retrieval Shaft area to monitor vibration induced by demolition operations of the existing Pagoda Theater building." 09/11/13 item reviewed at CMB meeting during review of weekly Trend/Change log. CMB doesn't agree with the relocation charge and requested a better definition of the item. 01/22/14 - Item viewed at CMB as an status update. SFMTA letter No. 241 sent to Contractor denying merit. CLOSED; NO FURTHER ACTION.
1252-0122	04/19/13	89	UMS - Suspended Remobilization of Jet Grout Rig	7				+52,305	BIHJV: "The SFMTA directed BIHJV/CJA-NCC to suspend the planned remobilization of the Jet Grout Rig at the UMS location due to external affairs with local UMS businesses." 09/11/13 - Item reviewed at CMB mtg. during review of weekly Trend/change log. CMB questioned the timeliness of the COR also requesting a better definition of the item. Item has been elevated to the Issue Resolution Ladder (IRL) process.
1252-0123	09/10/13	104	Retrieval Shaft - Additional Sewer Slip Lining 16" HDPE Pipe	4				+98,337	BIHJV: "BIHJV submitted RFI Nos. 275, 275.1 and 275.2 requesting clarification about specific sewer slip lining runs at the Retrieval Shaft, see Attachment Nos. 2, 4 and 6. The SFMTA responded, via RFI No. 275.2, stating that the slip lining is to be installed in a stacked configuration with the 24" over the 16" HDPE pipe, see Attachment No. 7. BIHJV and Synergy believe the SFMTA's response to install stacked HDPE slip lining pipes is additional work as the contract documents do not support this statement." 10/02/13 - Item reviewed at CMB mtg. during review of the weekly Trend/change log update. The CM states the DSC maybe eliminated. Waiting for a response from PUC now there is a as built condition. Letters are being written between SFMTA and SFPUC. 01/22/14 - Item viewed at CMB mtg as an update to potential cost exposure.
1252-0124	Notification - 9/17/13, PCC - 12/11/13		PCC 17 Green Street Sewer Changes	2		Agree to Merit	9/25/2013	+459,476	In preparation to beginning slip lining work at the intersection of Columbus/Green/Stockton, the Contractor performed a site investigation of the existing 3'x5' brick sewer. The Contractor discovered 4 unknown pipes intersecting the sewer. Received email from DPW on Oct 18 regarding proposed new direction to spray mortar sewer line in lieu of slip lining. DPW also requested additional slip lining on Columbus from Sta. 83+50 to Sta. 85+50. 09/25/13 - DSC presented for merit approval - Agreed. CMB directed the CM Team to ask the Contractor for recommendation to slipline as much of the sewer line as possible without rerouting the conflicting pipe lines. 01/22/14 - Item viewed at CMB mtg as a status update to projected cost exposure. Item will be tracked under PCC17.
1252-0125	10/24/13		PCC 14 Modifications to AWSS Facilities at 4th and Bryant Streets	1				+33,749	Deletion of 12" AWSS diagonal sleeved pipe crossing and hydrant lateral. Installation of 12" AWSS restrained pipe and hydrant lateral. 10/16/13 - Draft PCC reviewed at CMB. The Board is in agreement with the modification. 10/23/13 - Engineers estimate for new work \$136,478 and deleted work (\$163,382) was presented to the CMB. PCC will be forwarded to the Contractor to price the work. In addition a cost estimate will be done for the work which would have been under the 1300 contract.
1252-0126	10/14/13	108	Ellis shaft and Old Navy Grouting	2				+500,000	BIHJV's subcontractor, CJA-NCC, claims to have discovered material (cemented zones) different than that described in the Geotechnical Baseline Report in the Ellis Shaft and Old Navy Grouting Zones. 10/23/13 - Item reviewed at CMB mtg. during review of weekly Trend/Change log. The CM stated this item will be rejected, due to a lack of information being supplied by the Contractor to validate the COR. SFMTA sent Letter No. 247 & 253 denying merit.

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1252-0127	10/25/13		FA CO 8 Remove and replace material at Retrieval Shaft CSM wall	1				+22,300	Contractor to remove hazardous material (approximately 250 CY) found in the footprint of the Retrieval Shaft Cutter Soil Mix (CSM) wall and replace with both clean material found on-site (approximately 190 CY) and import material (approximately 60 CY). 10/30/13 - Item reviewed at CMB during review of weekly Trend/Change log. Work to proceed on FA for a NTE amount of \$22,300.
1252-0128	10/03/13		FA CO 7 Acceleration of Work Activities at Retrieval Shaft	1				+5,000	SFMTA to compensate BIHJV for premium time incurred on October 5th, 2013 to accelerate the completion of the site work and soundwall at the Retrieval Shaft. 11/06/13 - Item reviewed at CMB mtg. during review of weekly Trend/Change log. 01/22/14 - Item reviewed at CMB mtg as a status update to potential cost exposure.
1252-0129	10/30/13		0 UMPs on 96-inch Sewer	2				-0-	BIHJV's subcontractor Wang Technology claims to have encountered a DSC (brick structure) while drilling for utility monitoring points on Howard Street. 11/06/13 - Item reviewed at CMB mtg. during review of weekly Trend/Change log.
1252-0130	Notification - 11/8/13, PCC - 12/9/13		PCC 16 Ret Shaft Sewer Changes	2				+642,048	BIHJV's subcontractor Synergy Project Management claims to have encountered the following DSCs while performing an investigation into planned slip lining work at the intersection of Columbus/Union/Powell: Internal clearance issues, unforeseen lateral connections, mixed debris and grease buildup inside sewer, and tighter radius than was anticipated for the planned junction structure. 11/20/13 - Item reviewed at CMB mtg. during review of weekly Trend/Change log. The Board suggested the CM Team ask the PUC to tell us what they would like the Contractor to do. 02/05/14 - FACO 10 was presented for consideration to add a 16" pipe . The CMB took no action. Direction was given to investigate the use of the pipe and to determine the most cost effective approach to reach PUC's desired equivalency of the 36" pipe removed.
1252-0131	11/13/13		FA CO 9 Obstruction hit at CSM panel W6	2	CMB-0146	Agree to Merit Agree to Cost	12/11/13	+7,829	BIHJV's subcontractor Drill Tech claims to have encountered a DSC (unknown steel members) while performing Cutter Soil Mixing (CSM) on panel W6 at the Retrieval Shaft. 11/20/13 - Item reviewed at CMB mtg. during review of weekly Trend/Change log. This item will be tracked on FA. 12/11/13 - Merit evaluation presented to CMB - Agreed. EE presented for cost NOT TO EXCEED \$9,000 - Agreed
1252-0132	11/12/13		0 Material Hardness at Retrieval Shaft	2				TBD	BIHJV's claims to have encountered ground material characteristics that are significantly harder than anticipated based on the information provided during the negotiations of PCC 10 (Relocation of Retrieval Shaft). 11/20/13 - Item reviewed at CMB mtg. during review of weekly Trend/Change log.
1252-0133	PCC - 11/25/2013		PCC 15 Deleted AWSS Work at Union St and Columbus Ave	1				(182,024)	PCC 15 issued to: 1.) Delete all work associated with the removal and disposal of the Auxiliary Water Supply System (AWSS) utilities as shown on Contract Drawing No. AW-501.1 Rev.0. 2.) Delete all work associated with furnishing and installation of AWSS utilities as shown on Contract Drawing No. AW-501.9 Rev.0. Note: Monitoring of existing AWSS line to be performed in lieu of installation of new AWSS utilities. 12/11/13 - Item reviewed at CMB during review of weekly Trend/Change log. Item has been elevated to the Issue Resolution Ladder (IRL) process.
1252-0134	PCC - 12/27/2013		PCC 18 Retrieval Shaft Site Supervision	1				TBD	PCC 18 issued to provide for the Contractor's supervision and engineering services during the compensation grouting activities at the Retrieval Shaft. 01/08/14 - Item reviewed at CMB meeting during review of weekly Trend/Change log. 01/29/14 - PCC presented for review. CMB agreed with change.

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1252-0135	Notification - 12/18/13		Retrieval Shaft Comp Grout Array 045 Obstruction	2				-0-	BIHJV's subcontractor, Drill Tech, encountered a concrete obstruction at the Retrieval Shaft location on December 17th, 2013 when performing survey layout of the design location for several of the comp grout holes in the 045 array. 01/08/14 - Item reviewed at CMB meeting during review of weekly Trend/Change log. The CM reported the Contractor will be notified there is no merit for this change request. SFMTA denial letter No. 270 sent to Contractor.
1252-0136	PCC - 02/20/2014		Installation of Piping, Conduit and Casing at Fourth Street Portal	1				TBD	PCC 19 issued to provide standpipe piping, telephone and train signal conduits, and casing at Fourth Street Portal. 02/26/14 CMB agreed on Jan. 29, 2014 with forwarding the PCC to the Contractor for pricing.
<b>Contract 1252 Totals</b>								<b>+5,093,618</b>	<b>Total Changes and Potential Change (trends) to the contract are currently \$5,093,618</b> <b>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</b>
<b>CONSTRUCTION TRENDS (Based on #1252 Trending Log and CMod) - SUBTOTALS:</b>								<b>+5,093,618</b>	<b>The \$5,093,618 represents an UNDERRUN of allocated contingency.</b> <b>Current Balance = (23,658,463 - 5,093,618 = \$18,564,846) This does not include potential reimbursements from utilities.</b>
<b>DESIGN TRENDS</b>									
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-	
FD-008	07/30/10		Trolley Re-route @ Columbus & Powell	1	CMB-0017	Agree	09/15/10	+2,000,000	

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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. <b>Project Controls estimated \$321,645.</b>
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. <b>Project Controls estimated \$411,895.</b>

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FD-030	08/08/11	084-0009		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. <b>Project Controls estimated 733,420.</b>
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						+21,040,000	Additional Compensation Grouting due to Tunnel Settlement Alert and Trigger Levels (All Stations) ECP dated 11/17/11. ECP being routed for approval.
FD-034	12/09/11			CMB-0062	Agree	12/14/11	+450,000	Operational Performance and Safety Enhancement at 4th and King 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. <b>3/14/12: "Buy America" issue no longer applicable. Revised ECP element - remove H&amp;K switch machines and replace with hydraulic/120V switch machines such as Nortrak or equal.</b>
FD-035	06/26/12			CMB-0071	Agree	07/11/12	+1,215,000	Tunnel Air Replenishment System 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			CMB-0072	Agree	07/18/12	+2,200,000	Surface Segment Sewers - 4th St. 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			CMB-0077	Agree (Conditionally)	08/29/12	+500,000	Platform Display System Signs 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. <b>08/29/12 - CMB agreement condition upon follow up action to evaluate procurement by CN1260</b>
FD-038	11/7/2012 06/05/13			CMB-0121	Agree	06/05/13	+36,000	Elongated Sidewalk Bulb-out at Chinatown Station CTS Sidewalk Bulb out (Southwest corner Stockton/Washington To bring the Central Subway Project - Chinatown Station in closer conformance wit 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. <b>06/05/13 - CSDG designer estimate cost is not a CS expense. Addl funding source will need to be establish by San Francisco Planning to support the investigation study</b> Design Impact: Estimated Construction Cost ROM \$36,200 Construction Impact: Estimated ROM 97 Hrs.: DPW Pavement/Sidewalk Design Modification Estimated ROM 60 Hrs.: CSDG bus door/mirror/tree/bike rack coordination

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**CENTRAL SUBWAY PROJECT**  
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Item #	Date Initiated		Change Description	Change Type	CMB No.	Change Status		Projected Cost Impact +Exposure/(Benefit)	Comments
						Approval Action	Approval Date		
<b>FINAL DESIGN TRENDS (Based on All ECPs) - SUBTOTALS</b>								<b>+4,902,000</b>	<b>Incorporated budget increases have been absorbed by allocated and unallocated funds and the program budget to date remains \$1,578,300,000.</b>
<b>OTHER TRENDS</b>									
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]
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].
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]
X03-001	08/31/10	003-0001	OEWD's Pilot Training Program	7				+75,000	Workforce training pilot program in conjunction with the City/County's Office of Economic and Workforce Development (OEWD). Provides specialized training to SF residents to perform tunneling work. Central Subway financial responsibility being investigated. Requires further clarification
X53-001	07/18/11	084-0001	CS 155-2 (DP2) CBP4 - Construction Budget Adjustment YOY	7	CMB-0044	Agree	07/27/11		Adjust construction budget in Section 6 of Contract No. CS 155-2 to Year of Expenditure
X53-002	10/25/11		Change UMS Advertise Date to April 4th, 2012						DP2 Designer's new proposed dates for Pre-Final and Final Design have pushed out Advertise Dates.
X53-003	04/11/12	084-0002	CN1253 (UMS) Construction Budget Adjustment 90%					+55,720,600	CMB is currently vetting the 90% estimate of \$221,534,723 which represents a \$\$ 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

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**CENTRAL SUBWAY PROJECT**  
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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	
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.	
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.	
X80-004	10/27/11	232-0001	Increase SFCTA Budget	7		Authorized	+20,000	Increase SFCTA budget per Budget Authorization #51 to conduct travel forecast (TEP CEQA Modeling) to satisfy PMO review and SFMTA Fleet Plan light rail vehicle.	
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.	
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.	
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	
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.	
X80-009	11/30/11	016-0001	SFMTA Sustainable Streets 30 and 45 re-route	7		Authorized	-0-	<b>CSP request services to support 30/45 trolley reroute. \$162,600 was reduced from DPT staffing plan budget.</b>	
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.	
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. <b>Updated from \$971,686 to include Trend 1553-0014.</b>	
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	
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 Garage, revised production rates for steel. <b>11/14/13 CMB Agreed verbally to change @ Mtg #101</b>	
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. <b>1/23/13 CMB Agreed verbally to change @ Mtg #111.</b>	
<b>OTHER TRENDS (Based on Various Trends)</b>								<b>+59,662,439</b>	<b>Current Forecast reflects a net +3,537,933 unfavorable impact for all Other Trends.</b>
<b>GRAND TOTALS</b>								<b>+69,658,057</b>	<b>Current Forecast reflects an estimated net +69,658,057 3 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.</b>

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**CENTRAL SUBWAY PROJECT**  
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<b>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 - i.e. CCOP's. The total values indicated for each professional contract are for tracking all potential cost exposures and may or may not be approved.</b>								
<b>Contract CS-155-1</b>								
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.
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 <b>COMPLETE, NO FURTHER ACTION; Amendment #2</b>
1551-0003	02/18/11		071-0003	Additional Construction Support for CP-1	7			
1551-0004	02/18/11		071-0004	Redesign Required by Barney's and PUC for CP-2	7			
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 <b>COMPLETE, NO FURTHER ACTION; Amendment #2</b>
1551-0006	02/18/11		071-0006	Eyebolts	7	Authorized	07/29/11	+50,000 Amendment Signed by ED/CEO 7/29/11 <b>COMPLETE, NO FURTHER ACTION; Amendment #2</b>
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 <b>COMPLETE, NO FURTHER ACTION; Amendment #2</b>
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. <b>COMPLETE, NO FURTHER ACTION; Amendment #2</b>
1551-0009			071-0009	CTS Lowering	1	Authorized	12/08/11	+165,000 Amendment Signed by ED/CEO 12/8/11 <b>COMPLETE, NO FURTHER ACTION; Amendment #3</b>
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 <b>COMPLETE, NO FURTHER ACTION; Amendment #4</b>
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 <b>COMPLETE, NO FURTHER ACTION; Amendment #4</b>
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 <b>COMPLETE, NO FURTHER ACTION; Amendment #4</b>
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 <b>COMPLETE, NO FURTHER ACTION; Amendment #4</b>
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 <b>COMPLETE, NO FURTHER ACTION; Amendment #4</b>
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.
<b>Contract CS-155-1 Total</b>							<b>+986,882</b>	<b>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.</b>
<b>Contract CS-155-2</b>								

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1552-0001	05/06/10	072-0001	Optional Task 2.50 and Task 12.07	1		Authorized	05/06/10	+274,775	CS Letter 0473 from ED/CEO Optional Task 2.50 to support art enhancement activities NTE \$164,383 and Optional Task 12.07 to support design structures for Public Art NTE \$110,392.
1552-0002	07/01/10	072-0002	Expanded Hydraulic Testing at CTS	7		Authorized	07/01/10	+26,100	Estimated cost breakdown is included in the 7/1/10 letter from CSDG and includes signed approval by SFMTA. Amendment No. 1 authorized by ED/CEO on 12/21/11. <b>COMPLETE, NO FURTHER ACTION; Amendment #1</b>
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. <b>COMPLETE, NO FURTHER ACTION; Amendment #1</b>
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 - <b>On Hold.</b>
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. <b>COMPLETE, NO FURTHER ACTION; Amendment #1</b>
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. <b>See 1552-0006 Rev. 1 for most current estimate</b>
1552-0007	07/25/11	072-0007	REVIT and CAD Support (to City Staff) Option to DP2 Contract (Optional Services Task 12.12)	1		Authorized	07/25/11	+79,200	CS Letter No. 0768 from ED/CEO dated 7/25/11 has authorized Optional Task 12.12 NTE \$79,200.
1552-0008	08/03/11	072-0008	MOS Revisions to Emergency Ventilation Requirements	-		Provide further Justification	09/07/11	-0-	CMB did not approve a \$60,000 proposed increase. Document References ECP FD028, CSDG letter dated 8/8/11. DPM responded that program does not agree in letter dated 10/17/11.
1552-0009	08/03/11	072-0009	CTS Revisions to Emergency Ventilation Requirements	-		Provide further Justification	09/07/11	-0-	CMB did not approve an \$80,000 proposed increase. Document References ECP FD029, CSDG letter dated 8/8/11. DPM responded that program does not agree in letter dated 10/17/11.
1552-0010	08/03/11	072-0010	UMS Revisions to Emergency Ventilation Requirements	-		Provide further Justification	09/07/11	-0-	CMB did not approve a \$100,000 proposed increase. Document References ECP FD030, CSDG letter dated 8/8/11. DPM responded that program does not agree in letter dated 10/17/11.
1552-0011	08/17/11	072-0011	Audited Overhead Rate Adjustment for Year 2010 - Request for Amendment - Rev. 1	7				+426,322	Estimated cost breakdown is included in the 8/17/11 letter from CSDG. This is a revision to the 6/28/11 letter and cost breakdown.
1552-0012	08/23/11	072-0012	Station Air Replenishment System	-		Disagree	10/17/11	+36,240	Estimated cost breakdown is included in the 8/23/11 letter from CSDG. DPM responded that program does not agree in letter dated 10/17/11.
1552-0013	09/01/11	072-0013	COR for Additional Services Related to MOS Constructability Review and Assessment of Alternatives	-				-0-	Cost charged to Task 2.70- part of base work
1552-0014	09/22/11	072-0014	Proposal for Additional Work to provide Structural Engineering Support (Optional Services)	1		Authorized Optional Task 12.01.C5 only	11/04/11	+35,724	Estimated cost breakdown is included in the 9/22/11 letter from CSDG. Referenced Optional Work Tasks 12.01.C5 and 12.07.C5 - Effort re-evaluated - proposed cost to be resubmitted. <b>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.</b>
<b>Contract CS-155-2 Total</b>								<b>+1,896,708</b>	<b>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.</b>
<b>Contract CS-155-3</b>									

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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. <b>COMPLETE, NO FURTHER ACTION; OPTION</b>
1553-0002	08/09/11	073-0002	Authorization to commence optional tasks 12.05 Architectural	1		Authorized	08/01/11	+257,129	SFMTA letter 0933 from ED/CEO dated 8/9/11 authorizing \$738,787 in optional tasks. <b>COMPLETE, NO FURTHER ACTION; OPTION</b>
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. <b>COMPLETE, NO FURTHER ACTION; OPTION</b>
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. <b>COMPLETE, NO FURTHER ACTION; OPTION</b>
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. <b>COMPLETE, NO FURTHER ACTION ; Amendment 2</b>
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. <b>NOT FOLLOWING CONTRACT REQUIREMENTS FOR PROPER NOTIFICATION OF CHANGE.</b> 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. <b>NOT FOLLOWING CONTRACT REQUIREMENTS FOR PROPER NOTIFICATION OF CHANGE.</b> 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. <b>COMPLETE, NO FURTHER ACTION; OPTION</b>
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. <b>COMPLETE, NO FURTHER ACTION; OPTION</b>
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. <b>COMPLETE, NO FURTHER ACTION; OPTION</b>
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 <b>COMPLETE, NO FURTHER ACTION; Amendment #1</b>
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 <b>COMPLETE, NO FURTHER ACTION; Amendment #1</b>
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 <b>COMPLETE, NO FURTHER ACTION; OPTION</b>
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. <b>Amendment #4 PENDING</b>
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
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 <b>COMPLETE, NO FURTHER ACTION; Amendment #3</b>

- 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	
					Approval Action	Approval Date			Actual/Forecast
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 <b>COMPLETE, NO FURTHER ACTION; Amendment #3</b>
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 <b>COMPLETE, NO FURTHER ACTION; OPTION</b>
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 <b>COMPLETE, NO FURTHER ACTION; OPTION</b>
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 <b>COMPLETE, NO FURTHER ACTION; OPTION</b>
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 <b>COMPLETE, NO FURTHER ACTION; OPTION</b>
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 <b>COMPLETE, NO FURTHER ACTION; OPTION</b>
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 <b>COMPLETE, NO FURTHER ACTION; OPTION</b>
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 <b>COMPLETE, NO FURTHER ACTION; OPTION</b>
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 <b>COMPLETE, NO FURTHER ACTION; OPTION</b>
<b>Contract CS-155-3 Total</b>								<b>7,814,010.46</b>	<b>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.</b>

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# CMB LOG

## CENTRAL SUBWAY PROJECT - Configuration Management Board Change Control Log

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Initial Implementing Procedure				CMB		
Change Form No.	Title of Change	Schedule Impact	*Cost Impact (X,000)	CMB No.	Agree / Disagree	Final Decision Record Date
1250-0002	Chgs to Sewer on 4th between Howard and Folsom		\$ 107	CMB-0001	Agree	07/12/10
1250-0003	Quantity Adjustment for JT-6 and JT-7		\$ 192	CMB-0002	Agree	08/04/10
1250-0004	Demolition of existing brick and concrete footing on 4th between Howard and Folsom		\$ 170	CMB-0003	Agree	07/12/10
1250-0005	Modify AWSS at 4th/Bryant and 4th/Harrison		\$ 586	CMB-0004	Agree	08/04/10
1250-0006	Install four additional piles and reinforce existing foundation at 401 4th Street		\$ 130	CMB-0005	Agree	08/25/10
FD-001	Narrowing of Platform at UMS		\$ (800)	CMB-0006	Agree	08/04/10
FD-004	UMS Structural Configuration		\$ (8,000)	CMB-0007	Agree	08/18/10
FD-006	Station Headwalls - UMS/MOS		\$ -	CMB-0008	Agree	08/18/10
FD-002	Redux of Station Emergency Ventilation Fans - UMS/CTS/MOS		\$ (3,000)	CMB-0009	Agree (Conditionally)	08/25/10
FD-005	UMS Alternate Station Access/Vent Shaft @ Union Square		\$ (22,500)	CMB-0010	Agree	12/29/10
FD-016	Underpinning of Mandarin Tower		\$ 5,000	CMB-0011	Over Taken by FD-021	01/19/11
FD-017	CTS Ground Improvement		\$ 10,300	CMB-0012	Over Taken by FD-021	01/19/11
FD-018	UMS Apple Store Entrance		\$ -	CMB-0013	Disagree	11/10/10
FD-019	MOS TOD Configuration		TBD	CMB-0014	Agree	11/10/10
FD-020	UMS Emergency Stair #4 Relocation		TBD	CMB-0015	Agree	11/10/10
1250-0016	Additional AWSS modification at 4th/Harrison		\$ 156	CMB-0016	Agree	11/10/10
FD-008	Trolley Re-route @ Columbus & Powell		\$ 2,000	CMB-0017	Agree	09/15/10
FD-007	Cross-passages		\$ -	CMB-0018	Agree	09/15/10
FD-009	ECP to Modify Sidewalk Vault Demolition and Construction Sequence to Facilitate Construction of Joint Utilities Trench and Future UMS Station		\$ 3,000	CMB-0019	Agree	12/15/10
FD-010	Redesign Stockton Street Sanitary Sewer to conform to SFPUC Sewer Criteria that preclude placement of relocated sanitary sewer under sidewalks		\$ 2,000	CMB-0020	Agree	11/17/10
FD-011	Reconfigure Routing of Water, Sewer and Gas laterals from buildings on north side of Ellis Street		\$ 500	CMB-0021	Agree	11/17/10
FD-012	Recognize cost transfers from design allowances allocated to contingency to explicit line items in final design estimates		\$ -	CMB-0022	Disagree	11/17/10
FD-013	Increase Extent of Sub-sidewalks Vault Secondary Closure Walls and Waterproofing		\$ 4,100	CMB-0023	Agree	11/17/10
FD-014	Include OCS system for rerouting trolley buses to Fifth Street		\$ 3,100	CMB-0024	Agree	12/15/10
FD-015	Subsidewalk Vault Secondary Closure Walls for Buildings at 800 Market and 838 Market		\$ 1,000	CMB-0025	Agree	11/17/10
1250-0022	Install additional 30 feet of DIP and new AWSS at 4th/Harrison		\$ 160	CMB-0026	Agree	01/12/11
FD-021	CTS Lowering and Stations Reconfiguration		\$ (18,000)	CMB-0027	Agree	01/19/11
1250-0026	Supporting working around and protecting SFWD existing facilities		\$ 66	CMB -0028	Agree	02/09/11
1251-003	Extending Sewer lines on O'Farrell and Geary - CMod 001		\$ 149	CMB-0029	Agree	02/23/11
1250-0030	Differing site conditions during utility installations - CMod #16 - Public only		\$ 238	CMB-0030	Agree	04/13/11

# CMB LOG

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Initial Implementing Procedure				CMB		
Change Form No.	Title of Change	Schedule Impact	*Cost Impact (X,000)	CMB No.	Agree / Disagree	Final Decision Record Date
1251-0004	Additional work related to secondary basement closure wall, 150 Stockton Street		\$ 190	CMB-0031	Agree	04/13/11
FD-023	Change to the emergency walkway configuration in the cross cavern at CTS		\$ -	CMB-0032	Agree	07/27/11
FD-024	Change No. 5 diamond X-over on surface segment to tandem (universal) crossover		\$ (350)	CMB-0033	Agree	08/24/11
FD-025	Bid Option for TBM Retrieval Shaft		\$ (10,000)	CMB-0034	Agree	04/13/11
1251-0002	Installation of concrete slab under joint trench at Stockton and O'Farrell CMod #02 (NTE Total)		\$ 71	CMB-0035	Agree	04/20/11
1250-0029	Adjustment to Additional Excavation and Backfill Bid Item CMod #17		\$ 112	CMB-0036	Agree	05/04/11
1250-0034	Supplement Bid Item TR-06 DPT Traffic Control Allowance CMod #18		\$ 69	CMB-0037	Agree	05/04/11
1251-0009	Supplement Bid Item TR-07- Allowance for Manual Traffic Control with Add'l funds		\$ 263	CMB-0038	Agree	06/01/11
1251-0006	Revising layouts of utilities, northern portion of Stockton Street		\$ 399	CMB-0039	Agree	06/08/11
FD-026	Air Replenishment Systems in the three underground stations		\$ 1,245	CMB-0040	Agree	07/13/11
1250-0036	Rental/Maintenance costs for support of Archeological Trenches - 05/30: SFMTA Board approval due to contract value exceeding the 25% threshold remaining item will be handled through the claims process. CM will provide and update at a later date. 09/12/12: Rental/Maintenance costs for support of Archeological Trenches (Part 1 of 4), (Part 2 of 4), (Part 3 of 4), (Part 4 of 4)		\$ 597	CMB-0041	Agree	09/12/12
1251-0012	Compensate Contractor for additional expenses to modified installation of AWSS on O'Farrell East on Stockton St CMod #07 representing change, now CMod #06 (Refer to Approve CMB-0050, which notes the contract modification amount for this work)		-	CMB-0042	Agree	08/03/11
FD-027	1 Stockton Street (Apple Store) Secondary Closure Wall		\$ 500	CMB-0043	Agree	08/03/11
X53-001	CS 155-2 (DP2) CBP4 (UMS) - Construction Budget Adjustment YOY		-	CMB-0044	Agree	07/27/11
X54-001	CS 155-2 (DP2) CBP5 (CTS) - Construction Budget Adjustment YOY		-	CMB-0045	Agree	07/27/11
X55-001	CS 155-2 (DP2) CBP6 (MOS) - Construction Budget Adjustment YOY		-	CMB-0046	Agree	07/27/11
1250-0012 & 0013	Differing site conditions during utility installations - CMod #21 - Private only		\$ 98	CMB-0047	Agree	08/03/11
1250-0024	Costs associated with support, workaround and protection of existing AT&T utilities - CMod #19		\$ 95	CMB-0048	Agree	08/24/11
1251-0007	Costs associated with design changes to utility layouts along Ellis Street - CMod #05		\$ (435)	CMB-0049	Agree	08/24/11
1251-0012	Additional expenses related to modified installation of the AWSS on O'Farrell East of Stockton St - CMod #06 (Ref. CMB-0042 for original CMod presented for this work)		\$ 278	CMB-0050	Agree	09/21/11
1251-0017 & 0018	Installation of AT&T manholes 5829 and 5830 located on Geary at Stockton - CMod #07		\$ 56	CMB-0051	Agree	09/21/11
FD-028	MOS Revisions to Emergency Ventilation Requirements		\$ 500	CMB-0052	Agree	09/07/11
FD-029	CTS Revisions to Emergency Ventilation Requirements		\$ 1,000	CMB-0053	Agree	09/07/11

# CMB LOG

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Initial Implementing Procedure				CMB		
Change Form No.	Title of Change	Schedule Impact	*Cost Impact (X,000)	CMB No.	Agree / Disagree	Final Decision Record Date
FD-030	UMS Revisions to Emergency Ventilation Requirements		\$ 1,000	CMB-0054	Agree	09/07/11
1251-0014	Increase Bid Item WD-10 Allowance for Add'l Excavation and Backfill - CMod #09		\$ 200	CMB-0055	Agree	09/14/11
1251-0027	AT&T installation additional cost to accelerate work - CMod #10		\$ 281	CMB-0056	Agree	11/30/11
1251-0019 & 0028	Installation of AT&T manholes 5828, 5831, 113, 5832 and 403 - CMod #11		\$ 188	CMB-0057	Agree	10/26/11
1251-0020, 0030 & 0031	PG&E Field Changes - Cost will be part of the Form B calculations and be included in the reimbursement from PG&E. ( <b>Formally CMod #12 New CMod number is 21</b> )		\$ 89	CMB-0058	Agree	11/02/11
1251-0024 & 0032	PG&E Field Changes - (Formally CMod #13 New CMod number is 19) 1/25: Revision to the number of Kill Tie in locations will reduced this CMod to \$315K when conditions are satisfactorily met. 04/11 : Discovery of the actual number of Kill/Tie locations being 26 instead of 15 will require confirmation from PG&E of the locations and the new cost of scope of work . 05/02: Previously approved CMod for \$349K on 11/16/11. Revised CMod approved for 12 Kill hole locations and "NTE" value. PGE email concurrence presented 05/23/12		\$ 303	CMB-0059	Agree	11/16/11
X54-005	Revisions to MPS - CTS Construction Schedule		\$ -	CMB-0060	Agree	12/28/11
X55-002	MPS - STS Construction Schedule Revision for Procurement of Equipment		\$ -	CMB-0061	Agree	12/28/11
FD-034	STS 4th and King Operational Performance and Safety Enhancements. 12/14/11: <i>Agree contingent up "Buy America" waiver. 03/14: "Buy America" contingency no longer applicable. Revised ECP change element - Removing H&amp;K switches and replace with hydraulic/120V. Revised CSP Design Criteria to reflect element design change. CMB approval of replacement agreed on 03/14/12. Revision made to the approved ECP at Mtgs. #71 &amp; #72.</i>		\$ 450	CMB-0062	Agree	12/14/11
CS-155-2	CS 155-2 (DP2) CTS Construction Budget Adjustment - (65% Submittal)		\$ 45,261	CMB-0063	Agree	12/21/11
1251 -0038 (TO-035 )	CN1251 (3EA) Kiosk Removal; previous work, and Addl (2EA) new work (see CMB 0080 approved on 10/24/12 for \$29,267.83) for all (5EA) Kiosks.		\$ -	CMB-0064	Agree	01/04/12
1251-0023	Overhead Contact System (OCS) Facilities along Folsom St. between 4th & 5th Streets and Installation of Foundations and Poles - <b>CMod #12 (Formally CMod #15)</b> Condition agreed upon verification material from Contractor to be procured is available. ( <i>Verified 02/01/12</i> ). 02/29: <i>CMod negotiated cost has been revised to incorporate original three items and the add'l OCS work on Folsom St.</i>		\$ 542	CMB-0065	Agree	02/29/12
CS-155-2	CS 155-2 (DP2) UMS Construction Budget Adjustment - (65% Submittal)		\$ 27,986	CMB-0066	Agree	02/01/12
CS-155-2	CS 155-2 (DP2) MOS Construction Budget Adjustment - (65% Submittal)		\$ 22,947	CMB-0067	Agree	02/01/12
1251 - 0033	Installation of Secondary Closure Wall at 1 Stockton St. (Apple Store) - <b>CMod #13 (Formally CMod #14)</b> (Negotiated Direct Cost \$264K, & Negotiated OH Cost \$143K)		\$ 409	CMB-0068	Agree	03/07/12



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Initial Implementing Procedure				CMB		
Change Form No.	Title of Change	Schedule Impact	*Cost Impact (X,000)	CMB No.	Agree / Disagree	Final Decision Record Date
1251-0034	Additional work related to discovery of conflicting utilities within the subsidewalk basement at 17-19 Stockton Street. (Worst case scenario - "NTE" value) CM team will report actual amount value at a later date.		\$ 346	CMB-0069	Agree	04/04/12
1251-0040, 0041, & 0042	Installation of approximately 150LF in additional AT&T trenching (including conduit packages) and the installation of AT&T Vault No.133 (Reimbursement to SFMTA for this compensation value via the Form B process - <b>CMod #14</b>		\$ 100	CMB-0070	Agree	04/11/12
FD-035	Tunnel Air Replenishment System (ARS)		\$ 1,215	CMB-0071	Agree	07/11/12
FD-036	Surface Segment Sewers - 4th St. Base and SFPUC Option		\$ 2,200	CMB-0072	Agree	07/18/12
1252-025	UMS Reduced Duration - <i>08/01/12 :Condition upon incorporating correctness to backup documentation as required by &amp; documented in CMB mtg.</i>		\$ -	CMB-0073	Agree (Conditionally)	08/01/12
1251-0050, 0067, 0074 & 0075	Trend #50 - Installation of MUNI 770 Pole at 5th and Folsom Trend #67 - OCS Feeder Work On Folsom Trend #74 - Traffic Signal Modifications At 5th And Folsom Trend #75 - Unforeseen Conditions During Pole Foundation Installation On Folsom		\$ 1,100	CMB-0074	Agree	08/15/12
1251-0068	Additional time related overhead (TRO) costs resulting from the 29EA calendar day Contract extension		\$ 107	CMB-0075	Agree (Conditionally)	10/03/12
1251-0043, 0072 & 0080	Trend #43 FAR for Demolition of existing AT&T Vault #113 and 403 Trend #72 Additional AT&T trench from Vault #5829 and 127 Trend #80 Additional work related to installation of AT&T Vaults #5828, 5829, 5830, 5831, 5832 and 5833.		\$ 129	CMB-0076	Agree (Conditionally)	10/03/12
FD-037	Platform Display System Signs - <i>08/29/12</i> : Condition follow up action to evaluate procumbent by CN1260)		\$ 500	CMB-0077	Agree (Conditionally)	08/29/12
1251-0037, 0044 & 0045	Gucci Store, Macy's West and Union Square Garage Sewer Installations		\$ 71	CMB-0078	Agree	09/12/12
1251-0052, 0065 and 0070	Trend #52 - Reroute Unforeseen existing waterline discovered along Geary St (east of Stockton St.) Trend #65 - Additional fittings for AWSS lateral and chipping of pole foundation at Market/Ellis Streets Trend #70 - Core drill primary wall and install interior plumbing at Armani and Disney for the completion of fire service water cutover work.		\$ 65	CMB-0079	Agree	10/10/12

# CMB LOG

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Initial Implementing Procedure				CMB		
Change Form No.	Title of Change	Schedule Impact	*Cost Impact (X,000)	CMB No.	Agree / Disagree	Final Decision Record Date
1251-0038, 0039, 0054,0062 and 0073	Trend #38 - Reimburse Synergy for JCDecaux's removal of 2EA kiosks and other Central Subway related work (TO #35 for this work approved on 01/04/12 - CMB 0064). Trend #39 - Furnish and install 2EA benches along 5th Street. Trend #54 - Additional waterproofing at FIDM and north end of Crate and Barrel. Trend #62 - Additional waterproofing at Macy's Men's wall . Trend 73 - Additional work to install water and electrical utilities for flower stand on Geary west of Stockton.		\$ 86	CMB-0080	Agree	10/24/12
1251-0077	Additional Work Related to Qwest, TCG and UCCO Infrastructure - Contingent CMod pig to include evidence from all utilities that cost are reimbursable to SFMTA		\$ 41	CMB-0081	Agree (Conditionally)	10/31/12
1251-0047, 0058, 0076, and 0078	Muni Vault 900A, Additional SL Work, Additional OCS Work		\$ 76	CMB-0082	Agree	10/31/12
1251-0049, 0053, 0059 and 0064	Contract Acceleration work and Additional Rebar work at 1 Stockton Street Trend #49 Additional cost related to installation of additional rebar at 1 Stockton Street Trend #53 Additional costs to accelerate Contract work related to AT&T and PG&E vaults Trend #59 Additional costs to accelerate Contract work as required to clear Barneys frontage Trend #64 Accelerate finishing/detailing work on AT&T and PG&E vaults		\$ 41	CMB-0083	Agree	11/07/12
1252	Retrieval Shaft Options (Board Action) for approval presented to the Directors by J.F.		-	CMB-0084	Agree	12/05/12
1252-COR26	MOS - Asbestos Pipe at south headwall - NTE \$30K		\$ 30	CMB-0085	Agree	01/09/13
1252-COR02	Pre-excavation to remove concrete encased sewer line. \$13K increase of original \$45K for a total of \$58K NTE		\$ 58	CMB-0086	Agree	12/19/12
1252-COR15	Additional work to restrain the AWSS line - NTE \$96K		\$ 96	CMB-0087	Agree	12/19/12
1252-COR06	PG&E live electrical delays - NTE \$7,600		\$ 8	CMB-0088	Agree	01/09/13
1252-COR27	MOS Oil Filled Pipe at south headwall - NTE \$8,600		\$ 9	CMB-0089	Agree	01/09/13
1252-COR22	MOS Asbestos Pipe at north headwall - NTE \$6K		\$ 6	CMB-0090	Agree	01/09/13
1252-COR01	AWSS Conflict with Low Pressure Water - NTE \$16,900		\$ 17	CMB-0091	Agree	01/16/13
1252-COR03	AT&T Vault Conflict -4th & Harrison - NTE \$21,089		\$ 21	CMB-0092	Agree	01/16/13
1252-COR07	Oil Filled pipe @ Launch Box - NTE \$10K		\$ 10	CMB-0093	Agree	01/16/13
1252-COR10	MOS - Demo Pea duct bank / SF City 911 fiber optic line - NTE \$4,915		\$ 5	CMB-0094	Agree	01/16/13
1252-COR11	MOS - Traffic Signal line re-route south headwall - NTE \$37,500		\$ 38	CMB-0095	Agree	01/16/13
1252-COR12	MOS - Archaeological Standby North Headwall - NTE \$16,892		\$ 17	CMB-0096	Agree	01/16/13
1252-COR29	MOS - Todco scaffolding reimbursement - NTE \$1,717		\$ 2	CMB-0097	Agree	01/16/13

# CMB LOG

## CENTRAL SUBWAY PROJECT - Configuration Management Board Change Control Log

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Initial Implementing Procedure				CMB		
Change Form No.	Title of Change	Schedule Impact	*Cost Impact (X,000)	CMB No.	Agree / Disagree	Final Decision Record Date
1252-COR41	LB Impacts due to live PG&E electrical lines (Flagging) NTE \$1,245		\$ 1	CMB-0098	Agree	01/16/13
1252-PCC01	Revisions to Moscone North Headwall Elevation (Top) NTE \$20,500		\$ 21	CMB-0099	Agree	01/16/13
1252 PCC09	UMS Headwall - Unknown Buried Pipe - NTE \$75K		\$ 75	CMB-0100	Agree	01/16/13
1252-COR.38	Manhole in West side Guidewalls Footprint - NTE \$4,052.17		\$ 4	CMB-0101	Agree	01/23/13
1252-COR39	MOS - 16" Steel Pipe Removal at North east Headwall - NTE \$2,951.99		\$ 3	CMB-0102	Agree	01/23/13
1252-COR46	UMS - Unmarked Steel Pipes (6", 12" and 14") & Duct Bank - NTE \$7,461.14		\$ 7	CMB-0103	Agree	01/23/13
1252-COR47	Retrieval Shaft - Unmarked 10" Steel Pipe / Duct Bank Removal - NTE \$2,201.54		\$ 2	CMB-0104	Agree	01/23/13
1252-PCC11	Cap and Removal of 48" Steel Pipe - NTE \$150,000		\$ 150	CMB-0105	Agree	01/23/13
1252-PCC07	BART Annex Wall - NTE \$15,380		\$ 15	CMB-0106	Agree	01/30/13
1251-05, 46, 51, 61, 63, 66, 69, 79, 81	<b>CMod #24 PG&amp;E:</b> 1. Trend 05 – Add'l wok to work around and shift existing PG&E conduits on Geary Blvd. at 2 locations 2. Trend 46 – Additional cost for enlarging PG&E Vault No. 584 on O'Farrell east of Stockton 3. Trend.51 – Intercept existing PG&E ductbank and terminate into Vault No. 5464 Market/Ellis 4. Trend 61 – Excavate for PG&E service cut-over at 177 Stillman 5. Trend 63 – Excavation and restoration for PG&E gas tie-in and kill holes (Pt.2) 6. Trend 66 – Intercept PG&E conduits at Vault No. 573 at Geary east of Stockton 7. Trend 69 – Removal of abandoned PG&E gas valve (8EA and installation of anodes 8. Trend 79 – Additional work related to the installation of PG&E Vault Nos. 467, 571, 573, 586 and 594 (including joint trench leading to these vaults). 9. Trend 81 – Use of regular concrete as opposed to cover PG&E electrical ductbanks.		\$ 333	CMB-0107	Agree	02/13/13
1252-COR031	Retrieval Shaft Unmarked 12" Steel Pipe - NTE \$1,250		\$ 1	CMB-0108	Agree	02/27/13
1252COR-044	MOS - 16" Steel pipe removal at headwall - NTE \$1,800		\$ 2	CMB-0109	Agree	02/27/13
1252-COR050	MOS - 12" Steel pipe removal at Union/Columbus Streets - NTE \$2,600		\$ 3	CMB-0110	Agree	02/27/13
1252-COR058	10" Steel pipe removal at Union and Columbus Streets - NTE \$860.86		\$ 1	CMB-0111	Agree	02/27/13
1252-COR066	MOS - 12" Steel pipe removal intersection of Union and Columbus - NTE \$3,800		\$ 4	CMB-0112	Agree	02/27/13
1252-PCC03	Modified Stockton St. Detour Signage Plan - NTE \$6,152.60		\$ 6	CMB-0113	Agree	02/27/13
1252-COR048	Removal of 3" x 5" brick sewer at UMS South Headwall - NTE \$12,474.65		\$ 12	CMB-0114	Agree	03/13/13
1252-COR070	LB Jet Grout Quantity Overrun - Bid Item ES-3 - NTE \$599,900		\$ 600	CMB-0115	Agree	04/03/13

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Change Form No.	Title of Change	Schedule Impact	*Cost Impact (X,000)	CMB No.	Agree / Disagree	Final Decision Record Date
1252-COR079	Compensation Grouting - Old Navy - NTE \$70,000		\$ 70	CMB-0116	Agree	04/26/13
1252-COR079	Compensation Grouting - Old Navy (Inefficiencies) - NTE \$152,000		\$ 152	CMB-0117	Agree	05/15/13
1252-COR073	MOS - 16" Pipe removal at NE Headwall - NTE \$989		\$ 1	CMB-0118	Agree	05/08/13
1252-COR076	MOS - 16" Pipe removal at SE Headwall - NTE \$1,116		\$ 1	CMB-0119	Agree	05/08/13
1252-COR081	12" Waterline Tee Connection (MOS) South - NTE \$3,000.63		\$ 3	CMB-0120	Agree	05/15/13
FD-038	Elongated Sidewalk Bulb-out Chinatown Station at Stockton St. (CTS) 1254R - 1300Pkg		\$ 36	CMB-0121	Agree	06/05/13
1252-PCC13	UMS SFWD - Excavate, Support and Backfilling - NTE \$20K		\$ 20	CMB-0122	Agree	06/19/13
1252-COR051	Retrieval Shaft - Elevation Design Conflict (30" Low psi Water / Sewer)		\$ 21	CMB-0123	Agree	07/10/13
1252-PCC06	<del>Additional Instrumentation of BART Tunnel Lining - NTE \$650K - Voided - Superseded by CMB Change #0130</del>		\$ -	CMB-0124	Agree	07/10/13
1252-COR061	Launch Box - Panel - 17 Buried Water Main Obstruction - NTE \$1,100		\$ 1	CMB-0125	Agree	07/24/13
1252-COR077	Compensation grouting at WFB-5 Drilling Obstruction - NTE \$6,125		\$ 6	CMB-0126	Agree	07/24/13
1252-COR083	Ellis Shaft Concrete Obstruction - NTE \$1,424		\$ 1	CMB-0127	Agree	07/24/13
1252-PCC13	SFWD Excavation, Support and Backfilling NTE \$14,100K		\$ 14	CMB-0128	Agree	08/09/13
1252-PCC06	<del>Additional Instrumentation of BART Tunnel Lining - NTE \$305K - Voided - Superseded by CMB Change #0130</del>		\$ -	CMB-0129	Agree	08/07/13
1252-PCC06	Additional Instrumentation of BART Tunnel Lining - NTE \$307,470		\$ 307	CMB-0130	Agree	08/09/13
1252-PCC12	Modification to Tunnel Alignment at Market Street - NTE \$41,470		\$ 41	CMB-0131	Agree	08/14/13
1252-COR037	UMS - 12" Steel Pipe Removal - NTE \$3,379.19		\$ 3	CMB-0132	Agree	08/28/13
1252-COR071	LB Ramp Excavation of Steel Obstruction - NTE \$5,700		\$ 6	CMB-0133	Agree	09/25/13
1252-COR099	MOS - AWSS Vault Over pour @ South Headwall - NTE \$2,400		\$ 2	CMB-0134	Agree	09/25/13
1252-COR024	Ellis shaft Utility Demolition - NTE \$35,628.22		\$ 36	CMB-0135	Agree	10/09/13
1252-COR032	LB Panel W29 Wood Pile - NTE \$41,961.00		\$ 42	CMB-0136	Agree	11/06/13
1252-COR034	LB Panel W28 Wood Pile - NTE \$43,294.00		\$ 43	CMB-0137	Agree	11/06/13
1252-COR042	LB Panel W25 Wood Pile - NTE 42,894.00		\$ 43	CMB-0138	Agree	11/06/13

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1252-COR043	LB - Panel W30 Wood Pile - NTE \$14,197.00		\$ 14	CMB-0139	Agree	11/06/13
1252-COR062	LB - Panel P-9 Buried Obstruction - NTE \$41,588.00		\$ 42	CMB-0140	Agree	11/06/13
1252-COR065	LB – Panel P-12 Buried Obstruction - NTE \$40,523.00		\$ 41	CMB-0141	Agree	11/06/13
1252-COR079	Compensation Grouting – Old Navy (Remaining Costs) - NTE \$37,380.00		\$ 37	CMB-0142	Agree	11/06/13
1252-COR009	Impacts due to SFWD low psi water line - NTE \$5,727.00		\$ 6	CMB-0143	Agree	11/06/13
1252-COR017	Impacts @ North and South Headwalls due to live utilities - NTE \$43,219.00		\$ 43	CMB-0144	Agree	11/06/13
1252-COR067	LB – Panel P-10 Buried Obstruction - NTE \$9,984.00		\$ 10	CMB-0145	Agree	11/06/13
1252-FA-009	Obstruction hit at CSM panel W6 - NTE \$9,000		\$ 9	CMB-0146	Agree	12/11/13
1277- COR02	Demolition of parapet wall - NTE \$8,054.88		\$ 8	CMB-0147	Agree	02/05/14
1277-COR03	Hauling and disposal of Styrofoam debris NTE \$4,037.78 Voided - Superseded by CMB Change #0149		\$ -	CMB-0148	Agree	02/05/14
1277-COR03	Hauling and disposal of Styrofoam debris - NTE \$3,018.07		\$ 3	CMB-0149	Agree	02/26/14
1277-COR04	Sorting of material at Baylands Soils Processing - NTE \$12,338.34		\$ 12	CMB-0151	Agree	02/26/14
<b>Total</b>			<b>\$ 83,705</b>			