

Transmittal

CS Transmittal No. 2213

To: Jeff Davis
FTA
201 Mission Street, Suite 1650
San Francisco, CA 94105

From: John Funghi

Project No./Contract No.: M544.1, CS-149

Task No./Title: 1-6.01 Interagency Coordination

Project Phase: Construction

Date: April 19, 2013

Subject: Contract 1252 Trend Log

Reference:

Sent via:	<input type="checkbox"/> mail	<input type="checkbox"/> overnight	<input type="checkbox"/> messenger	<input type="checkbox"/> hand-delivered
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<input type="checkbox"/> reference material	<input type="checkbox"/> acceptance/approval	<input type="checkbox"/> other		
<input type="checkbox"/> other				

Item No.	Copies	Description	Rev. No.	Date
1	1	Contract 1252 Trend Log		04/17/13
<i>If enclosures are not as noted, kindly notify us at once.</i>				

Remarks:

Attached please find Contract 1252 Trend Log dated April 17, 2013.


John Funghi
Program Director

JF:ES:smk

cc: David Kuehn, STV (w/attachments) david.kuehn@stvinc.com
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CS File No. M544.1.5.4020.a

Trend No.	COR No.	C-Mod No.	PCC No.	CM 13 Issue No.	Description	Notification Document	Notification Date Sent/Received	Date COR Form Submitted	COR Form Submitted on Time?	Merit Evaluation Form Status	Merit Status	Merit Letter Status	Change Type	Engineer's (Latest) Estimate		Current Estimator Required Action	Contractor's (Initial) Proposal			SFMTA/BH Negotiated		Record of Negotiation Form Status	CMB Approval			Contract Modification			Potential Cost Exposure	Status (Executed/ Pending/ Expired/ Rejected/ Closed)	Notes	Comments		
														Date Prepared	Amount (\$)		Date Sent	Amount (\$)	Time (CDs)	Amount (\$)	Time (CDs)		Amount (\$)	Time (CDs)	Approval Date (Signed)	Amount (\$)	Time (CDs)	Execution Date						
1	1			8	AWSS Conflict w/ Low Pressure Water	BIH Letter 07	4/23/2012	9/5/2012	No	Complete	Merit	Complete	6	10/9/2012	\$10,464.20	No Action Required	5/9/2012	\$22,843.07	0	\$16,906.56	0	Complete	\$16,900.00	0	1/16/2013			\$16,906.56	Expected	SFMTA to prepare CMod package w/ COR's 2, 3, & 6.	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. 10/19/12 - Merit info presented to CMB - Agreed 01/16/13 - CMB - NOT TO EXCEED Amount \$16,900			
2	2			2	AWSS Add. Tie-Rods 4th-Harrison	BIH Letter 07	4/23/2012	9/5/2012	No	Complete	Merit	Complete	6	11/12/2012	\$46,311.10	No Action Required	6/5/2012	\$92,190.46	0			Not Started	\$58,000.00	0	12/19/2012			\$58,000.00	Expected	BIH Submitted Revised COR package. SFMTA to hold negotiations once approved labor rates are established then prepare cost analysis. SFMTA to prepare CMod package w/ COR's 1, 3, & 6.	The AWSS tie rods must be installed 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+00 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 to the new pipe to be installed. 10/10/12 - Merit info presented to CMB - Agreed 12/19/12 - CMB - NOT TO EXCEED Amount \$58,000			
3	3			3	AT&T Vault Conflict-4th & Harrison	BIH Letter 06	4/23/2012	9/5/2012	No	Complete	Merit	Complete	6	2/22/2013	\$13,670.78	No Action Required	6/6/2012	\$41,218.24	0	\$16,014.60	0	Complete	\$21,089.00	0	1/17/2013			\$16,014.60	Expected	SFMTA to prepare CMod package w/ COR's 1, 2, & 6.	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 w/ SFMTA Form B agreement to AT&T. 10/10/12 - Merit info presented to CMB - Agreed 01/16/13 - CMB - NOT TO EXCEED Amount \$21,089 04/01/13 - CM team must obtain in writing from AT&T a utility agreement for cost reimbursement.			
4	6	CMOD #10 Approved		6	PG&E live electrical delays	BIH Letter 14	5/18/2012	9/12/2012	No	Complete	Merit	Complete	6	1/9/2013	\$7,164.67	No Action Required	8/27/2012	\$8,295.84	0	\$7,402.36	0	Complete	\$7,600.00	0	1/9/2012	\$7,402.36	0	3/12/2013	\$7,402.36	Executed		PG&E lines indicated on contract drawing UD-502 thru 504 were to be abandoned yet were not yet abandoned when BIH started work. They were abandoned on 5/21. 11/28/12 - Merit info presented to CMB - Agreed 01/09/13 - CMB - NOT TO EXCEED Amount \$7,600 04/01/13 - CM team must obtain in writing from PG&E a utility agreement or cost reimbursement.		
5	7	CMOD #5 Approved		10	Oil filled pipe @ Launch Box	BIH Letter 18	6/6/2012	9/5/2012	No	Complete	Merit	NA	2	8/15/2012	\$9,391.87	No Action Required	7/16/2012	\$13,438.71	0	\$9,979.81	0	Complete	\$10,000.00	0	1/16/2013	\$9,979.81	0	2/20/2013	\$9,979.81	Executed		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 - CMB - NOT TO EXCEED Amount \$10,000		
6	8			12	TIA - Associated w/ COR 001, COR 002, and COR 003	BIH Letter 6, 7, 8	4/23/2012	9/13/2012	No	Complete	Merit	Complete	6			No Action Required	8/14/2012	\$269,904.39	8.26			Not Started	\$0.00	7	10/24/2012			\$269,904.39	Potential		SFMTA send indirect cost comments to BIH. BIH would like to escalate determination of costs through IRL. SFMTA to prepare estimate upon determination of indirect costs, present costs to CMB, hold negotiations then prepare cost analysis. CMod package w/ COR's 1, 2, & 3. 10/10/12 - Merit info associated w/ COR's 001, 002 & 003 presented to CMB - Agreed 01/16/13 - CM team must obtain in writing from PG&E a utility agreement for cost reimbursement.			
7	9			13	MOS - Live Utilities: PGE, AT&T, and SFWD 8" Water Line extra 8ft hole location	BIH Letter 20, 21	6/12/2012	9/5/2012	No	Complete	No Merit	Complete	2	NA	NA	No Action Required	8/16/2012	\$49,047.23	0			NA						\$49,006.75	Potential		In SFMTA/BH "Issue Resolution Ladder" process. See IRL log for details.	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 4ft hole so they could properly abandon the line. 11/04/12 - COR Evaluation for Merit presented to CMB.		
8	10	CMOD #3 Approved		14	MOS - Demo PGE duct bank / SF City 911 fiber optic line	BIH Letter 21	6/19/2012	9/5/2012	No	Complete	Merit	Complete	2	8/25/2012	\$4,900.41	No Action Required	7/13/2012	\$4,921.32	0	\$4,919.60	0	Complete	\$4,919.54	0	1/16/2013	\$4,915.54	0	2/20/2013	\$4,915.54	Executed		Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered a PG&E duct bank that contained a live San Francisco 911 fiber optic line. 11/14/12 - Presented to CMB. The narrative will be rewritten. CMB agrees with partial merit labor work involved in supporting the utility agencies. This item will be brought back to the CMB for approval. 01/09/13 - CMB - NOT TO EXCEED Amount 4,919.54 04/01/13 - CM team must obtain in writing from PG&E a utility agreement for cost reimbursement.		
9	11			21	MOS - Traffic Signal line re-route south headwall	BH RFI 110	7/2/2012	9/5/2012	No	Complete	Merit	Complete	6	8/16/2012	\$35,713.53	No Action Required	7/6/2012	\$49,879.40	0	\$37,500.00	0	Complete	\$37,500.00	0	1/16/2013			\$37,500.00	Expected		Related to COR 017 Standby Costs.	After pot-holing Synergy discovered several traffic lines which were in the proposed location of the south MOS headwall. Traffic Lines re-routed. 01/16/13 - CMB - NOT TO EXCEED Amount \$37,500		
10	12	CMOD #6 Approved		15	MOS - Archaeological Standby North Headwall			9/5/2012		Complete	Merit	Complete	2	8/22/2012	\$16,043.71	No Action Required	8/16/2012	\$17,679.18	0	\$16,892.26	0	Complete	\$16,892.26	0	1/16/2013	\$16,892.26	0	2/20/2013	\$16,892.26	Executed		Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered a layer of "Middle" or Native American debris. 12/11/12 - Merit info presented to CMB - Agreed 01/16/13 - CMB - NOT TO EXCEED Amount \$7,600		
11	13		PCC 13	16	PCC No. 13 - MOS - SL consult from PG&E visit @ north headwall	S. Wilson email to BIH	7/6/2012	9/5/2012	No	Complete	Merit	Complete	6	8/16/2012	\$8,708.25	No Action Required	7/19/2012	\$14,733.38	0	\$10,903.32	0	Not Started						\$10,903.32	Expected		SFMTA to issue a PCC for this work and pursue reimbursement from PG&E.	Remainder power is required to install 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.		
12	15			18	LB - Pre-Excavation for Slurry Walls	BIH letter 24, 25, 26, 27, 28, 29, 30	6/26/2012	8/29/2012	No	Complete	Merit	Complete	2	12/6/2012	\$88,559.23	No Action Required	8/29/2012	\$237,107.74	2.5			Not Started	\$96,000.00	0	12/19/2012			\$96,000.00	Expected		SFMTA to review TIA, prepare estimate upon determination of indirect costs, present costs to CMB once BIH submits package, hold negotiations then prepare cost analysis. BIH to revise COR package. Indirect Costs for Time Impacts to be determined.	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 5'-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'-0" below the street surface. 11/28/12 - Merit info presented to CMB - Agreed 12/12/12 - CMB - NOT TO EXCEED Amount \$96,000		
13	17			20	MOS - Standby Time @ south headwall due to live TIS lines	BH RFI 110	7/2/2012	9/5/2012	No	Complete	No Merit	Complete	6	NA	NA	No Action Required	8/16/2012	\$79,218.50	0			NA						\$79,153.11	Potential		In SFMTA/BH "Issue Resolution Ladder" process. See IRL log for details.	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 revised at mtg for clarification the issue is related to CMB action from item 3-7/25/12 (Mg #88) specifically acted on 08/01/12 (CMB Mg #8) referred originally as Trend #15		
14	19			25	UMS - Grant street 2 way conversion (w/ & striping)	Closed	Closed	Closed	Closed		No Merit	NA	7			No Action Required											\$0.00	Closed	Closed - Work is done.	In order to implement full street closure for Stockton Street at the UMS location the DPW recommended that Grant Street be converted from an existing one-way street to a two way street for vehicular traffic. Closed - Work is done. 07/19/12 - This potential change was brought before the CMB. Board's decision to have DPW perform the work. CLOSED - NO FURTHER ACTION				
15	20			26	PROJECT WIDE - Utility Demo limit reduction credit	BH RFI 108	6/22/2012	9/11/2012	No		No Merit	Complete	5	NA	NA	No Action Required												\$0.00	Closed		BIH to build per Plan	BIH's subcontractor Synergy Project Management (SPM) would like to minimize the limits of utility demo at the Launch Box, Moscone station, UMS station and TBM Retrieval Shaft locations. Closed - SFMTA to BIH/SPM "Build per Plan".		
16	21	CMOD #8 Approved		27	UMS - Reduced Duration	BIH Transmittal 01/03	4/2/2012	No form	No form		Merit	NA	5	12/6/2012	\$19,819.94	No Action Required		\$0.00	0	\$0.00	0	Complete	\$0.00	0	NA	\$0.00	0	3/12/2013	\$0.00	Executed		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.		
17	22	CMOD #5 Approved		22	MOS - Asbestos Pipe at north headwall	BIH RFI 115	7/10/2012	9/5/2012	No	Complete	Merit	Complete	2	1/7/2013	\$5,581.29	No Action Required	8/24/2012	\$7,186.66	0	\$5,705.05	1/0/1900	Complete	\$6,000.00	0	1/9/2012	\$5,705.05	0	2/20/2013	\$5,705.05	Executed		Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered friable asbestos-laden traverse pipe. 12/12/12 - Merit info presented to CMB - Agreed 01/09/13 - CMB - NOT TO EXCEED Amount \$6,000		
18	23			23	MOS - Brick Wall #2 discovered @ north headwall	BH RFI 114	7/10/2012	9/5/2012	No	Complete	No Merit	Complete	2	8/30/2012	\$14,005.39	No Action Required	7/18/2012	\$16,024.90	0	\$14,997.26	0	NA						\$14,997.26	Potential		In SFMTA/BH "Issue Resolution Ladder" process. See IRL log for details.	Upon excavation of the MOS north headwall, BIH's subcontractor Synergy Project Management (SPM) uncovered a buried wall. 11/14/12 - COR presented to CMB. Evaluation for merit will be rewritten and brought back to CMB for approval. 11/21/12 - Merit info presented to CMB - Agreed		
19	26	CMOD #15		32	MOS - Asbestos Pipe at south headwall	BIH Letter 37	8/10/2012	9/5/2012	No	Complete	Merit	Complete	2	1/3/2013	\$27,631.49	No Action Required	8/30/2012	\$33,668.65	0	\$27,629.64	0	Complete	\$30,000.00	0	1/9/2012			\$27,629.64	Expected		Traverse pipe was discovered during MOS south headwall excavation. 12/12/12 - Merit info presented to CMB - Agreed 01/09/13 - CMB - NOT TO EXCEED Amount \$30,000			
20	27	CMOD #5 Approved		33	MOS - Oil filled pipe at south headwall	BIH Letter 38	8/10/2012	9/5/2012	No	Complete	Merit	Complete	2	1/7/2013	\$8,047.12	No Action Required	8/30/2012	\$9,266.27	0	\$8,225.68	0	Complete	\$8,600.00	0	1/9/2012	\$8,225.68	0	2/20/2013	\$8,225.68	Executed		A pipe containing oil was discovered during MOS south headwall excavation. 12/12/12 - Merit info presented to CMB - Agreed 01/09/13 - CMB - NOT TO EXCEED Amount \$8,600		
21	29	CMOD #3 Approved		11	MOS - Todco scaffolding reimbursement	Sarah Wilson email to BIH	6/19/2012	10/9/2012	No	Complete	Merit	Complete	2	10/19/2012	\$1,717.83	No Action Required	6/28/2012	\$1,719.25	0	\$1,717.83	0	Complete	\$1,717.83	0	1/6/2013	\$1,717.83	0	2/20/2013	\$1,717.83	Executed		1252 contract work requires the removal of scaffolding erected by Fine Line Construction, the contractor performing renovations on the Wood House. 12/12/12 - Merit info presented to CMB - Agreed 01/09/13 - CMB - NOT TO EXCEED Amount \$1,717		
22	closed			1	Disputed Work Items - NTP2 vs. NTP3	Closed	Closed	Closed	Closed		NA	7			No Action Required													\$0.00	Closed	Closed - NTP 3 issued.	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, CCS 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, CCS removal along Stockton Street from Geary to Ellis, and preparatory and utility work necessary for the construction of the retrieval shaft.			
23	4			4	Manhole in east guideway footprint	BIH Letter 16	5/30/2012				No Merit	NA	2			No Action Required												\$0.00	Closed		Synergy traded this COR with SFMTA for shallow FM installation	While performing excavation for the east side guidewalls at the TBM Launch Box, BIH's subcontractor CIA-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.		
24	closed			7	2" gas line inside 16" casing	Closed	Closed	Closed	Closed		NA	2			No Action Required													\$0.00	Closed	Closed		When performing excavation for the Sewer and AWSS trench at the intersection of Fourth and Harrison streets, BIH'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.		
25	5			5	CDF Encasement on 42" RCP	BIH Letter 5	4/23/2012	10/31/2012	No	NA	No Merit	Complete	2			No Action Required	11/21/2012	\$140,595.73	1			Not Started						\$140,595.73	Potential		In SFMTA/BH "Issue Resolution Ladder" process. See IRL log for details.	While performing excavation for the east side guidewalls at the TBM Launch Box, BIH's subcontractor CIA-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.		
26	closed			9	Damage to Live LPW main at 4th and Folsom	Closed	Closed	Closed	Closed		NA	2			No Action Required													\$0.00	Closed	Included in COR 17.	Synergy Demo Crew hit a blow-off valve on the 8" water line at the Southwest corner of the MOS headwall. SFWD is to install a permanent plug and capped existing UD-504.			
27	14			17	MOS - 76 Gas Station fencing	Closed	Closed	Closed	Closed		No Merit	NA	1			No Action Required												\$0.00	Closed		Traded this COR for BIH use of gas station lot.	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.		
28	16			19	LB - SPTC delays due to concrete encased 8" sewer	Closed	Closed	Closed	Closed		No Merit	NA	2			No Action Required												\$0.00	Closed	Combined with COR 15.	CMB - Temporary use of 600 Folsom Street site for construction staging. Use of this site would be a tradeoff between SFMTA and BIH. The Contractor would maintain the site security and up-keep in exchange for not billing.			
29	18			24	MOS - South Headwall re-design	BH RFI 136, 136.1, 136.2	8/6/2012	10/31/2012	No	Started	No Merit	Complete	1	NA	NA	No Action Required	11/28/2012	\$145,000.00	0			NA							\$145,000.00	Potential		In SFMTA/BH "Issue Resolution Ladder" process. See IRL log for details.	Costs related to leave end steps 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 Steps presented to CMB - COR 018	
30	24			29	Ellis - Utility demolition	BIH Letter 33	8/2/2012	10/17/2012	No	Complete	Merit	Complete	3			No Action Required	11/6/2012	\$38,677.60	0			Not Started						\$38,677.60	Potential		BIH to submit revised COR package with 2 options.	BIH says that no utilities were shown at Ellis; however, Reference Drawing UE-126 shows utilities. 12/20/12 -		

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														Date Prepared	Amount (\$)		Date Sent	Amount (\$)	Time (CDs)	Amount (\$)	Time (CDs)		Approval Date (Signed)	Amount (\$)	Time (CDs)	Execution Date									
41	60		PCC 2	42	PCC No. 2 - Revisions to UMS Headwall Concrete and Reinforcement Limits	PCC	8/23/2012		PCC		NA	1	9/24/2012	(\$202,918.00)	No Action Required	12/19/2012	\$0.00	0		NA												SFMTA initiated change to revise UMS headwall concrete and reinforcement limits to provide a cost savings. 8/29/12 - Revised PCC presented to CMB			
42	31	CMOD #13		43	Retrieval Shaft - Unmarked 12" Steel Pipe	BH Letter 41	8/24/2012	9/5/2012	No	Complete	Merit	Complete	2	2/5/2013	\$1,148.71	No Action Required	9/17/2012	\$6,006.68	0	\$1,200.00	0	Complete	\$1,250.00	0	2/27/2013		\$1,200.00	Pending			While performing excavation for the joint trench at the retrieval shaft BH's subcontractor Synergy Project Management (SPM) discovered an abandoned 12" dia. steel pipe which appears to run continuously under Columbus Ave. 9/10/12 - Merit info presented to CMB - Agreed 9/27/12 - Cost presented to CMB - Agreed to NTE \$1,250 9/4/13 - No reimbursement from SFWD				
43	32			44	LB - Panel W28 Wood Pile	BH Letter 44	8/31/2012	8/31/2012	Yes	Complete	Merit	Complete	2			No Action Required	8/31/2012	\$81,000.00	4		Not Started					\$81,000.00	Expected					SFMTA to review TIA, prepare estimate upon determination of indirect costs, present costs to CMB once BH submits package, hold negotiations then prepare cost analysis. BH to revise COR package. Indirect Costs for Time Impacts to be determined. 11/28/12 - Merit info presented to CMB - Agreed			
44	33			45	Ret Shaft - 20" Water Line Conflict	BH Letter 43	9/4/2012	10/23/2012	No	NA	No Merit	NA	2			Prepare Estimate Only	10/23/2012	\$67,000.00	0		NA					\$0.00	Closed						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 logging the work.		
45	34			46	LB - Panel W28 Wood Pile	BH Letter 45	9/11/2012	10/16/2012	No	Complete	Merit	Complete	2			No Action Required	10/16/2012	\$81,000.00	4		Not Started					\$81,000.00	Expected						SFMTA to review TIA, prepare estimate upon determination of indirect costs, present costs to CMB once BH submits package, hold negotiations then prepare cost analysis. BH to revise COR package. Indirect Costs for Time Impacts to be determined.		
46	36			47	MOS - Catch Basin @ south headwall	No notification		9/10/2012	No	Complete	No Merit	Complete	3	NA	NA	Prepare Estimate Only	9/10/2012	\$2,500.00	0		NA					\$0.00	Closed						A catch basin on the NW corner of 4th and Folsom interfered with the construction of the MOS Headwall. Removal of the catch basin was needed in order for the headwall to be built. BH claims the catch basin was not shown in the contract drawings. Closed due to improper notification.		
47	37			48	UMS - 12" steel pipe removal	Improper notification		9/10/2012	No	No Merit	Complete	3	NA	NA	No Action Required	9/10/2012	\$3,500.00	0		NA						\$3,500.00	Potential						In SFMTA/BH "Issue Resolution Ladder" process. See IRL log for details.		
48	39	CMOD #14		49	MOS - 16" Steel Pipe removal @ northeast headwall	BH Email	9/7/2012	9/10/2012	Yes	Complete	Merit	Complete	3	12/12/2012	\$2,559.82	No Action Required	1/6/2013	\$3,599.10	0	\$2,951.99	0	Complete	\$2,951.99	0	1/23/2013		\$2,951.99	Pending					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. BH claims the 16" steel pipe was not shown in the contract drawings. 9/12/13 - CMB - NOT TO EXCEED Amount \$2,951.99 9/4/13 - CM team must obtain in writing from PG&E a utility agreement for cost reimbursement.		
49	40			50	MOS - Extra Road Base @ northeast headwall	No notification		9/10/2012	No	No Merit	Complete	2	NA	NA	Prepare Estimate Only	9/10/2012	\$3,500.00	0		NA						\$0.00	Closed						BH'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.		
50	41	CMOD #10 Approved		51	LB - Impacts due to live PG&E electrical lines (Synergy)	BH Letter 15	5/18/2012	9/10/2012	No	Complete	Merit	Complete	6	12/14/2012	\$1,216.60	No Action Required	1/8/2013	\$1,392.91	0	\$1,216.60	0	Complete	\$1,245.00	0	1/16/2013	\$1,216.60	0	3/12/2013	\$1,216.60	Executed				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 5th/6th 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. 9/11/13 - CMB - NOT TO EXCEED Amount \$1,245 9/4/13 - CM team must obtain in writing from PG&E a utility agreement for cost reimbursement.	
51	executed	CMOD #2 Approved			Contract Amendment No. 2						NA	1		(\$3,040,713.00)	No Action Required			0		NA						(\$3,040,713.00)	0	1/26/2012	(\$3,040,713.00)	Executed					
52	42			52	LB - Panel W25 Wood Pile	BH Letter 39	8/17/2012	11/1/2012	No	Complete	Merit	Complete	2			No Action Required	11/1/2012	\$116,784.81	4		Not Started					\$116,784.81	Expected						SFMTA to review TIA, prepare estimate upon determination of indirect costs, present costs to CMB once BH submits package, hold negotiations then prepare cost analysis. BH to revise COR package. Indirect Costs for Time Impacts to be determined.		
53	43			53	LB - Panel W30 Wood Pile	BH Letter 40	8/22/2012	11/1/2012	No	Complete	Merit	Complete	2			No Action Required	11/1/2012	\$47,184.98	4		Not Started					\$47,184.98	Expected						SFMTA to review TIA, prepare estimate upon determination of indirect costs, present costs to CMB once BH submits package, hold negotiations then prepare cost analysis. BH to revise COR package. Indirect Costs for Time Impacts to be determined.		
54	44	CMOD #14		54	MOS - 16" steel pipe removal @ southeast headwall	BH Letter 46	9/19/2012	9/25/2012	Yes	Complete	Merit	Complete	3	2/3/2013	\$1,439.93	No Action Required	1/11/2013	\$1,932.67	0	\$1,600.00	0	Complete	\$1,800.00	0	2/27/2013		\$1,600.00	Pending						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. BH claims the 16" steel pipe was not shown in the contract drawings. 12/26/12 - CMB agreed with Evaluation of Merit 9/27/13 - Cost presented to CMB - Agreed to NTE \$1,600 9/4/13 - CM team must obtain in writing from PG&E a utility agreement for cost reimbursement.	
55	45			55	Ret Shaft - Credit for reduced AT&T conduits	Sarah Wilson email to BH	6/9/2012	9/25/2012	No	Not Started	Not Started	6			Prepare Estimate Only	9/25/2012	\$331.40	0		NA						\$331.40	Potential							SFMTA to prepare estimate, hold negotiations and present cost to AT&T.	
56	46			56	UMS - Unmarked steel pipes (6", 12", 14") / Duct Bank	BH Letter 47	9/25/2012	9/25/2012	Yes	Complete	Merit	Complete	6	1/7/2013	\$7,175.49	Prepare Cost Analysis	1/19/2013	\$7,873.46	0	\$7,475.28	0	Complete	\$7,461.14	0	1/23/2013		\$7,475.28	Expected						While performing excavation for the utility demolition at the south UMS Headwall BH/Synergy discovered an 6" dia. steel pipe, 16" dia. steel pipe, 18" dia. steel pipe, and a concrete duct bank. BH claims the utilities were not shown in the contract drawings. 12/26/12 - CMB agreed with Evaluation of Merit 1/12/13 - CMB - NOT TO EXCEED Amount \$7,461.14	
57	47	CMOD #13		57	Ret Shaft - unmarked 10" steel pipe/duct bank	BH Letter 48	9/25/2012	9/25/2012	Yes	Complete	Merit	Complete	6	1/8/2013	\$2,063.17	No Action Required	1/19/2013	\$2,366.46	0	\$2,108.04	0	Complete	\$2,201.54	0	1/23/2013		\$2,108.04	Pending						Synergy Project Management (SPM), discovered an abandoned duct bank and 10" steel pipe which traveled underneath Columbus Avenue between Power 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. 12/26/12 - CMB agreed with Evaluation of Merit 9/12/13 - CMB - NOT TO EXCEED \$2,201 9/4/13 - No reimbursement from SFWD	
58	48			58	UMS - 3x3' brick sewer at south headwall	BH Letter 50	9/28/2012	9/27/2012	Yes	Complete	Merit	Complete	6	3/5/2013	\$8,860.82	No Action Required	1/19/2013	\$15,114.62	0		Not Started					\$12,474.65	0	3/13/2013	\$12,474.65	Expected					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. 12/26/12 - CMB agreed with Evaluation of Merit 9/19/13 - CMB - NOT TO EXCEED Amount \$12,474.65
59	49			59	Ret Shaft - Tree trimming debris haul off			10/4/2012		NA	No Merit	Complete	7			No Action Required	10/4/2012	\$1,500.00	0		NA					\$0.00	Closed							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. 12/26/12 - CMB - NOT TO EXCEED Amount \$1,500.00	
60	50	CMOD #13		61	Ret Shaft - 12" steel pipe removal at Union/Columbus	BH Letter 51	10/10/2012	10/15/2012	Yes	Complete	Merit	Complete	6	2/25/2013	\$2,106.55	No Action Required	1/11/2013	\$2,848.00	0	\$2,200.00	0	Complete	\$2,600.00	0	2/27/2013		\$2,200.00	Pending						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 relocation work near the Retrieved Shaft. Sewer work included the construction of a manhole which had been positioned in the field to avoid an existing MUNI duct bank. 12/27/12 - CMB agreed with Evaluation of Merit 9/27/13 - Cost presented to CMB - Agreed to NTE \$2,600 9/4/13 - No reimbursement from SFWD	
61	51			60	Ret Shaft - Elevation design conflict (30" low psi water / sewer)	BH Letter 52	10/11/2012	11/14/2012	No	Complete	Merit	Complete	3			Prepare Estimate Only	11/14/2012	\$26,000.00	0		NA					\$26,000.00	Expected							SFMTA to prepare estimate, present costs to CMB, hold negotiations then prepare cost analysis. BH COR package unsubmitted.	
62	53			62	Chinatown - Night drilling for instrumentation	BH submission 01 55-26-012	9/7/2012	10/26/2012	No	No Merit	NA	7	NA	NA	No Action Required	10/26/2012	\$15,000.00	0		NA						\$0.00	Closed							Closed.	
63	54			34	LB Class 2 Hazardous Material Haul Off (Phase 2)	None		3/11/2013		Not Started	No Merit	NA	2			No Action Required	3/11/2013	\$110,966.56	0		NA					\$110,966.56	Potential							In SFMTA/BH "Issue Resolution Ladder" process. See IRL log for details.	
64	55	PCC 4		63	PCC No. 4 - Ret shaft sewer pipe material change	PCC		10/10/2012		PCC	NA	1	11/28/2012	\$3,352.64	No Action Required	11/8/2012	\$153,370.16	0		Not Started						\$0.00	Closed						BH trucking costs for Class 1 haul off generated at staging yard. Also see COR 030 regarding Class 1 Haul material haul off for Phase 1 change approximately 80' of pipe in sewer bypass around the Retrieved Shaft from 3" to 6" and gas filter removal pipe to 4" 48" (OD) HDPE SD-17 pipe with casing insulator placed inside a 54-inch diameter, 1/4-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.		
65	57	PCC 8		64	PCC No. 8 - UMS - Tree Removal	PCC		12/18/2012		PCC	NA	1				No Action Required	10/29/2012	\$13,345.50	0		NA					\$0.00	Closed							SFMTA is directing removal of a tree at the northeast corner of Stockton and O'Farrell St. CLOSED - NO FURTHER ACTION.	
66	59	PCC 5		65	PCC No. 5 - Ret Shaft Water Dist. Pipe Material Change	PCC		10/10/2012		PCC	NA	1	11/29/2012	(\$37,967.99)	No Action Required	11/29/2012	(\$31,912.46)	0		Not Started						\$0.00	Closed							Change material type of approximately 188 linear feet of 20-inch water line and approximately 125 linear feet of 30-inch water line for Wreathed Steel Pipe (WSP) to Ductile Iron Pipe (DIP) with TE Pipe joints. Install 6-inch thick concrete cap over 20-inch water line where cover is less than 24 inches.	
67	58	CMOD #13		66	Ret Shaft - Additional 10" steel pipe removal	COR		10/26/2012		Yes	Complete	Merit	Complete	6	2/25/2013	\$582.24	No Action Required	10/25/2012	\$850.74	0	\$700.00	0	Complete	\$860.85	0	2/27/2013		\$700.00	Pending						Work is a continuation of work performed in COR 047. 12/12/12 - CMB agreed with Evaluation of Merit 9/27/13 - Cost presented to CMB - Agreed to NTE \$860.85
68	56	PCC 3		67	PCC No. 3 - General Detour Signage	PCC		10/10/2012		PCC	NA	1	2/28/2013	\$4,904.32	No Action Required	11/9/2012	\$22,180.78	0		NA	\$	6,162.60	0	2/27/2013		\$0.00	Closed							SFMTA to furnish and install the signs. PCC withdrawn.	
69	64	PCC 6	pending		PCC No. 6 - Supplemental instrumentation of BART tunnel lining	PCC		11/8/2012		PCC	NA	1	12/6/2012	\$97,369.45	Prepare Estimate/Comparison	1/18/2013	\$657,883.84	0		Not Started						\$657,883.84	Expected						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). 9/27/12 - PCC presented to CMB for merit. CMB directed SF to proceed with obtaining a price quote from Contractor to perform the work.		
70	unsubmitted		pending		Full Closure of 4th Street						NA	1			No Action Required					NA						TBD	Potential						SFMTA to determine cost for potential credit due.		
71	61		pending		LB - Panel P-17 Buried Obstruction	BH Letter 55	11/1/2012	11/12/2012	Yes	Complete	Merit	Complete	2			Prepare Estimate/Comparison	2/1/2013	\$1,473.44	0		NA					\$1,473.44	Expected							SFMTA to prepare estimate, present costs to CMB, hold negotiations then prepare cost analysis. CJA-NCC labor rates currently not approved.	
72	62		pending		LB - Panel P-9 Buried Obstruction	BH Letter 56, 59	11/14/2012	11/16/2012	Yes	Complete	Merit	Complete	2			No Action Required	11/16/2012	\$150,000.00	4		NA					\$150,000.00	Expected							CJA-NCC discovered a buried obstruction while excavating slurry diaphragm wall panel P-9 at the Launch Box location. 11/12/12 - 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. 9/27/13 - Revised write up presented CMB agreed with Evaluation of Merit	
73	63		pending		UMS - 48" Steel Pipe @ southwest headwall	BH Letter 57	11/8/2012	11/16/2012		Complete	Changed to a PCC	Complete	2		NA	Prepare Estimate/Comparison	11/15/2012	\$250,000.00	10		NA					\$0.00	Closed							BH/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. 9/10/13 - 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. 9/12/13 - Revised write up presented CMB agreed with Evaluation of Merit 9/27/13 - Cost	

Trend No.	COR No.	C-Mod No.	PCC No.	CM 13 Issue No.	Description	Notification Document	Notification Date Sent/Received	Date COR Form Submitted	COR Form Submitted on Time?	Merit Evaluation Form Status	Merit Status	Merit Letter Status	Change Type	Engineer's (Latest) Estimate		Current Estimator Required Action	Contractor's (Initial) Proposal			SFMTA/BIH Negotiated		Record of Negotiation Form Status	CMB Approval			Contract Modification			Potential Cost Exposure	Status (Executed/ Pending/ Expected/ Potential/ Closed)	Notes	Comments								
														Date Prepared	Amount (\$)		Date Sent	Amount (\$)	Time (CDs)	Amount (\$)	Time (CDs)		Approval Date (Signed)	Amount (\$)	Time (CDs)	Execution Date														
79			PCC 10, FA CO 3	pending	PCC No. 10 - Relocation of TBM Retrieval Shaft	PCC	1/9/2013		PCC		NA	1		Required	Prepare Estimate Only	4/5/2013	\$9,335,275.00	14														Modify bid item 51-4 Construction of Base Bid Permanent Retrieval Shaft to relocate the TBM retrieval shaft to 1731-1741 Powell Street - 01/08/13 - Draft PCC 10 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 \$555 03/05/13 - Cost proposal received from BIH. SFMTA will develop a final 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.								
80				pending	Segment Measuring Frequency	RFI 203	12/19/2012				NA	7			No Action Required	TBD	TBD																\$1,300,000.00	Potential	SFMTA to determine cost for potential credit due					
81				pending	F21 and Old Navy Instrumentation Proposal	RFI 152	9/9/2012				NA	7			No Action Required	TBD	TBD																\$0.00	Potential	SFMTA is proposing instrumentation changes to the Liquid Level Sensors and TB					
82	68			pending	UMS - AT&T Vault Walkway @ N Headwall	BIHJV Letter 68	1/14/2013	1/14/2012	Yes	Complete	Merit	Complete	2		No Action Required	4/8/2013	\$2,000.00	0				NA												\$2,000.00	Expected	SFMTA to review COR package, present costs to CMB then prepare cost analysis. BIH COR package submitted at a SFMTA established \$2,000 NTE amount.				
83	69			pending	UMS - Cap and Remove 48" Steel Pipe	BIHJV Letter 57	11/8/2012	1/21/2013	No	Changed to a PCC	NA	2				1/21/2013	\$130,000.00					NA												\$0.00	Closed	Changed to PCC 11				
84		CMOD #9 Approved	PCC 11, FA CO 2	pending	PCC No. 11 - UMS - Cap and Remove 48" Steel Pipe	PCC	1/24/2013		PCC		NA	1	1/23/2013	\$121,832.58	Prepare Estimate/Comparison							NA	\$150,000.00	0	1/23/2013	\$150,000.00	0	3/12/2013	\$150,000.00							\$150,000.00	Executed	FA PCC. CMOD executed. Cost need to be defined for payment as work is complete. BIH to revise COR package based on agreement made at scoping meeting held on 04/08/13.		
85	71			pending	LB - Ramp Excavation Obstructions	BIHJV Letter 84	1/24/2013	1/24/2013	Yes	Complete	Merit	Complete	2		No Action Required	2/26/2013	\$10,000.00	0				NA													\$10,000.00	Expected	SFMTA to prepare estimate, present costs to CMB once BIH submits package, hold negotiations then prepare cost analysis. BIH to submit COR package once all impact costs are realized.			
86	72			pending	Ellis Shaft Jet Grout Obstruction	BIHJV Letter 87	2/8/2013	2/9/2013	Yes	Started	Not Started	2			No Action Required	2/9/2013	\$54,000.00	0				NA														\$54,000.00	Potential	Merit determination on hold until Ellis Shaft Excavation reaches 50' depth.		
87	73			pending	MOS - Unknown 16" Pipe removal @ northwest headwall	BIHJV Letter 90	2/14/2013	2/21/2013	Yes	Complete	Merit	Complete	2		Prepare Estimate Only	4/12/2013	\$1,070.79	0				NA														\$1,070.79	Expected	SFMTA to prepare estimate, present costs to CMB once BIH submits package, hold negotiations then prepare cost analysis. BIH COR package has been submitted.		
88	74			pending	Whole Foods - Unknown brick obstruction in Comp Grout Trench	NA	NA			NA	No Merit	NA			No Action Required							NA													\$0.00	Closed	Closed			
89	75			pending	Hazardous Waste Disposal Denial - Spoils Containment Cost Impacts	COR	3/11/2013	3/11/2013	Yes	Not Started	Not Started	7			No Action Required	3/11/2013	\$1,100,000.00	0				NA															\$1,100,000.00	Potential	SFMTA to review and send response to BIH. BIH to revise COR Form.	
90	76			pending	MOS - 16" Pipe removal @ SW Headwall	BIHJV Letter 99	3/8/2013	3/8/2013	Yes	Complete	Merit	Complete	2		Prepare Estimate Only	4/12/2013	\$1,116.13	0				NA															\$1,116.13	Expected	SFMTA to prepare estimate, present costs to CMB once BIH submits package, hold negotiations then prepare cost analysis. BIH COR package has been submitted.	
91	77			pending	Comp Grout - WFB-5 Drilling Obstruction	BIHJV Letter 94	3/6/2013	3/12/2013	Yes	Complete	Merit	Complete	2		Prepare Estimate Only	3/12/2013	\$10,000.00	0				NA															\$10,000.00	Expected	SFMTA to prepare estimate, present costs to CMB once BIH submits package, hold negotiations then prepare cost analysis. BIH COR package has been submitted.	
92	78			pending	Comp Grout - WF & ATT	BIHJV Letter 97	3/7/2013	3/13/2013	Yes	Complete	No Merit	Complete	2		No Action Required	3/13/2013	\$20,000.00	0				NA															\$0.00	Closed	Contractor no longer pursuing due to failure to provide proper notification.	
93	79			pending	Comp Grout - Old Navy	BIHJV Letter 98	3/7/2013	3/13/2013	Yes	Complete	Merit	Complete	2		Prepare Estimate Only	3/13/2013	\$45,000.00	0				NA																\$45,000.00	Expected	SFMTA to prepare estimate, present costs to CMB once BIH submits package, hold negotiations then prepare cost analysis. BIH COR package has been submitted.
94	80			pending	MOS - Asbestos Wrapped 20" water line @ Headwalls	BIHJV Letter 101	3/12/2013	3/18/2013	Yes	Complete	Merit	Complete	2		Prepare Estimate Only	3/18/2013	\$43,000.00	0				NA																\$43,000.00	Expected	SFMTA to prepare estimate, present costs to CMB once BIH submits package, hold negotiations then prepare cost analysis. BIH COR package has been submitted.
95	81			pending	12" Waterline Tee Connection Location (MOS South)	BIHJV Letter 100	3/11/2013	3/19/2012	Yes	Complete	Merit	Complete	2		Prepare Estimate Only	3/19/2012	\$5,000.00	0				NA																\$5,000.00	Expected	SFMTA to prepare estimate, present costs to CMB once BIH submits package, hold negotiations then prepare cost analysis. BIH COR package has been submitted.
96	82			pending	MOS 20" Conflict with 16" AWSS @ South Headwall	BIHJV Letter 102	3/13/2013	3/18/2013	Yes	NA	No Merit	Complete	2		No Action Required	3/18/2013	\$50,000.00	0				NA																\$50,000.00	Potential	May be included in "Issue Resolution Ladder" process. To be determined.
97	83			pending	Ellis Shaft Concrete Obstruction	BIHJV Letter 104	3/19/2013	3/29/2013	No	Complete	Merit	Not Started	2		No Action Required	3/29/2013	\$4,000.00	0				NA																\$4,000.00	Potential	SFMTA to review and send response to BIH.
98	84			pending	Crate & Barrel Water Intrusion	BIHJV Letter 103	3/16/2013	3/29/2013	No	NA	No Merit	Complete	2		No Action Required	3/29/2013	\$50,000.00	0				NA																\$50,000.00	Potential	In SFMTA/BIH "Issue Resolution Ladder" process. See IRL log for details.
99			PCC 12	pending	PCC No. 12 - Modifications to Tunnel Alignment at Market Street	PCC	4/5/2013		PCC		NA	1			Prepare Estimate Only		TBD					NA														TBD	Expected	PCC issued to Contractor. BIH to provide proposal.		
100	85			pending	SFWD Impacts at MOS North	BIHJV Letter 106	3/26/2013	4/22/2013	Yes	Not Started	Not Started	2			No Action Required	4/22/2013	\$345,600.00	0				NA																\$345,600.00	Potential	SFMTA to review and send response to BIH.
101	87			pending	Cross Passage 5 - Value Engineering Change Proposal	Sub. # 01 24 13-001	1/28/2013	TBD		Not Started	Not Started	5			No Action Required		TBD					NA															TBD	Potential	BIH to submit proposal for net credit of \$2,674. SFMTA to review.	
102	86			pending	UMS - Secant Pile SRV-J Obstruction DSC	BIHJV Letter 111	4/9/2013	TBD		Not Started	Not Started	2			No Action Required		TBD					NA																TBD	Potential	SFMTA to review and send response to BIH.