

## Transmittal

CS Transmittal No. 2199

**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:** March 21, 2013

**Subject:** Contract 1252 Trend Log

**Reference:**

<b>Sent via:</b>	<input type="checkbox"/> mail	<input type="checkbox"/> overnight	<input type="checkbox"/> messenger	<input type="checkbox"/> hand-delivered
	<input type="checkbox"/> fax – No:		<input checked="" type="checkbox"/> email – Address:	<a href="mailto:jeffrey.s.davis@dot.gov">jeffrey.s.davis@dot.gov</a>
<b>The following:</b>			<b>For your:</b>	
<input type="checkbox"/> copy of letter/memo	<input type="checkbox"/> estimate	<input checked="" type="checkbox"/> information/use		<b>Due date:</b> N/A
<input type="checkbox"/> minutes/agenda	<input type="checkbox"/> schedule	<input type="checkbox"/> action		
<input checked="" type="checkbox"/> report	<input type="checkbox"/> deliverable	<input type="checkbox"/> review/comment		
<input type="checkbox"/> presentation	<input type="checkbox"/> review comment form	<input type="checkbox"/> response to comment		
<input type="checkbox"/> cd / dvd	<input type="checkbox"/> no review comment form	<input type="checkbox"/> concurrence		
<input type="checkbox"/> specifications	<input type="checkbox"/> review comments	<input type="checkbox"/> incorporation of comments		
<input type="checkbox"/> half-size drawings	<input type="checkbox"/> response to comments	<input type="checkbox"/> verification		
<input type="checkbox"/> full-size drawings	<input type="checkbox"/> concurrence with response	<input type="checkbox"/> signature		
<input type="checkbox"/> sketches/maps/layouts	<input type="checkbox"/> verification of incorporation	<input type="checkbox"/> acceptance/approval		
<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		03/20/13
<i>If enclosures are not as noted, kindly notify us at once.</i>				

**Remarks:**

Attached please find Contract 1252 Trend Log dated March 20, 2013.

  
John Funghi  
Program Director

JF:ES:smk

cc: David Kuehn, STV (w/attachments) [david.kuehn@stvinc.com](mailto: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	CMB 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/Expected/Potential/Closed/Allowance)	Notes	Comments				
														Date Prepared	Amount (\$)		Date Sent	Amount (\$)	Time (CDs)	Amount (\$)	Time (CDs)	Amount (\$)	Time (CDs)	Approval Date (signed)	Amount (\$)	Time (CDs)	Execution Date											
28	16			19	LB - SFTC delays due to concrete encased 8" sewer	Closed	Closed	Closed	Closed		No Merit	NA	2			No Action Required																		Closed. Combined with COR 015. 07/25/12 - Verbal information presented to CMB as a potential change.				
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																Costs related to leave end stage 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.			
30	24			29	Ellis - Utility demolition	BH Letter 33	8/2/2012	10/17/2012	No	Complete	Merit	Complete	3			Prepare Estimate/Comparison	11/6/2012	\$38,677.60	0																BH says that no utilities were shown at Ellis; however, Reference Drawing UE-126 shows utilities. 12/06/12 - Merit info presented to CMB - Agreed			
31	25			30	Crack Gauges	Closed	Closed	Closed	Closed		No Merit	NA	4			No Action Required																			BH 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. BH claims that a total of 50 are to be installed.			
32	28	CMOD #16		31	Ellis asbestos abatement	BH Letter 36	8/7/2012	10/29/2012	No	Complete	Merit	Complete	2			Prepare Estimate/Comparison	1/10/2013	\$35,385.86	0																	A steam line containing asbestos was discovered during pathing at the Ellis Street Shaft. 12/06/12 - Merit info presented to CMB - Agreed		
33	30			34	LB - Class I Hazardous Material Hauloff	None		12/26/2012		NA	No Merit	Complete	2			No Action Required	12/26/2012	\$198,276.00	0																	BH latching costs for Class I haul off. Also see COR 054 regarding Class 1 Haz material haul off for Phase 2. Cost to be reimbursed by "ES-8" Additional costs hazardous waste allowances.		
34	70			35	LB - Jet Grout Quantity Overrun	None		2/16/2013		Started			4			No Action Required	2/16/2013	\$768,600.00	0																	The contract drawings call for the contractor to determine the extent of jet grouting at the launch box. BH's jet grout quantities are projected to exceed the prescribed bid quantity by up to 40 percent.		
35	unsubmitted			36	Utility Removal UD-304 and UD-503							NA	6			No Action Required																			RFI 00134 asks whether certain utilities indicated on drawings UD-304 (On Stockton inside limits of future UM Station) and UD-503 (On Fourth and Sillman 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."			
36	35			37	Additional Road Base on Fourth Street	BH Letter 13 / BH RFI 82	5/17/2012	9/10/2012	No	Complete	No Merit	Complete	2	NA	NA	No Action Required	9/10/2012	\$7,000.00	0																	BH'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 BH/SPM to be approximately 8" - 12" thick. 12/06/12 - Evaluation of merit presented to CMB - Agreed. No Merit for this change.		
37	unsubmitted			38	DPW permitting potential impacts							NA	7			No Action Required																			DPW Permitting issue to cause potential impacts. DPW is not issuing BH 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. BH may be required to re-sequence and stand many other potential impacts w/o said permits.			
38	38	CMOD #12		39	Manhole in West Guidewall Footprint	BH Letter 16	5/30/2012	9/10/2012	No	Complete	Merit	Complete	3	12/10/2012	\$3,884.17	No Action Required	1/8/2013	\$4,210.24	0	\$3,820.84	0	Complete	\$4,052.17	0	1/23/2013										While performing excavation for the west side guidewalls at the TBM Launch Box, BH'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 01/29/13 - CMB - NOT TO EXCEED Amount \$4,052.17			
39	unsubmitted			40	Panel W-33 Obstruction							NA	2			No Action Required																			While performing excavation for the slurry walls at the TBM Launch Box, BH's subcontractor CJA-NCC unexpectedly encountered buried (reced pile?) debris located approximately 12 feet below the guide wall within Launch Box Diaphragm Wall Panel W-33. This debris is being tracked separately from Trend 20 because we believe it may be a different structure. BH has not provided adequate information substantiating the presence of the two tracks.			
40	52	CMOD #7 Approved	1	41	PCC No. 1 - Revisions to Moscone North Headwall Elevation (Top)	PCC	8/23/2012					NA	1	11/1/2012	\$18,067.99	No Action Required	10/22/2012	\$21,181.63	0	\$20,358.23	0	Complete	\$20,500.00	0	1/16/2013	\$20,358.23	0	2/20/2013	\$20,358.23	Executed				SFMTA initiated change to revise headwall elevations to facilitate a change in the roof elevation of MOS station. 01/16/13 CMB - NOT TO EXCEED Amount \$20,500				
41	60		2	42	PCC No. 2 - Revisions to LMS Headwall Concrete and Reinforcement Limits	PCC	8/23/2012					NA	1	9/24/2012	(\$302,918.00)	No Action Required	12/18/2012	\$0.00	0																SFMTA initiated change to revise LMS headwall concrete and reinforcement limits to provide a cost savings. 08/29/12 - Revised PCC presented.			
42	31	CMOD #14		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	Started	\$1,250.00	0	2/27/2013										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. 01/02/13 - Merit info presented to CMB - Agreed 02/17/13 - Cost presented to CMB - agreed to NTE \$1,250			
43	32	CMOD #20		44	LB - Panel W29 Wood Pile	BH Letter 44	8/31/2012	8/31/2012	Yes	Complete	Merit	Complete	2			Prepare Estimate/Comparison	8/31/2012	\$81,000.00	4																	While performing excavation for the slurry walls at the TBM Launch Box, BH'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		
44	33			45	Ret Shaft - 20" Water Line Conflict	BH Letter 43	9/4/2012	10/23/2012	No	NA	NA	NA	2			No Action Required	10/23/2012	\$67,000.00	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 defined clearly. RE will proceed with scope the work.		
45	34	CMOD #20		46	LB - Panel W29 Wood Pile	BH Letter 45	9/11/2012	10/16/2012	No	Complete	Merit	Complete	2			Prepare Estimate/Comparison	10/16/2012	\$81,000.00	4																	While performing excavation for the slurry walls at the TBM Launch Box, BH's subcontractor CJA-NCC unexpectedly encountered what appeared to be a wood pile within Launch Box Diaphragm Wall Panel W-28.		
46	36			47	MOS - Catch Basin @ south headwall	No notification		9/10/2012				No Merit	Complete	3	NA	NA	No Action Required	9/10/2012	\$2,500.00	0																	A catch basin on the NW corner of 4th and Filson interfered with the construction of the MOS Headwalls. Removal of the catch basin was needed in order for the headwalls to be built. BH claims the catch basin was not shown in the contract drawings. Closed due to improper notification.	
47	37			48	LMS - 12" steel pipe removal	Improper notification		9/10/2012				No Merit	Complete	3	NA	NA	No Action Required	9/10/2012	\$3,500.00	0																	A 12" steel pipe at the north LMS headwall location interfered with the demolition of other existing LMS utilities. BH claims the steel pipe was not shown in the contract drawings. Closed due to improper notification.	
48	39	CMOD #15		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	1/9/2013	\$3,599.10	0	\$2,951.99	0	Complete	\$2,951.99	0	1/23/2013										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. 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.			
49	40			50	MOS - Extra Road Base @ northeast headwall	No notification		9/10/2012				No Merit	Complete	2	NA	NA	No Action Required	9/10/2012	\$3,500.00	0																		
50	41	CMOD #10		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										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 Harrison and Bryant streets in order to assist PG&E while they performed the abandoning of the existing live PGE electrical at the Launch Box location which was shown to be dead in the contract drawings. 01/13/13 - CMB agreed with Evaluation of Merit 01/16/13 CMB - NOT TO EXCEED Amount \$1,245			
51	executed	CMOD #2 Approved		pending	Contract Amendment No. 2							NA	1		(\$3,040,713.00)	No Action Required																						



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														Date Prepared	Amount (\$)		Date Sent	Amount (\$)	Time (CDs)	Amount (\$)	Time (CDs)		Amount (\$)	Time (CDs)	Approval Date (signed)	Amount (\$)	Time (CDs)	Execution Date						
87	73			pending	MOS - Unknown 16" Pipe removal @ northwest headwall	BIHJV Letter 90	2/14/2013	TBD	TBD	Complete	Merit	Started	2			Prepare Estimate/Comparison	2/21/2013	\$3,000.00	0			NA										BIHJV'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.		
88	74			pending	Whole Foods - Unknown brick obstruction in Comp Grout Trench	NA	NA			NA	NA	NA				No Action Required						NA										BIH has decided not to submit a COR as production was not significantly impacted.		
89	75			pending	Hazardous Waste Disposal Denial - Spoils containment Cost Impact	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											BIH submitted change order request (COR) 030 seeking reimbursement for the demonstrated additional costs of excavating, handling and shipping 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 related 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.	
90	76			pending	MOS - 16" Pipe removal @ SW Headwall	BIHJV Letter 99	3/8/2013	3/8/2013	Yes	Started		Not Started	2			No Action Required	3/8/2013	\$2,000.00	0			NA												BIHJV'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.
91	77			pending	Comp Grout - WFB-6 Drilling Obstruction	BIHJV Letter 94	3/6/2013	3/12/2013	Yes	Not Started		Not Started	2			No Action Required	3/12/2013	\$10,000.00	0			NA												On March 06, 2013, BIHJV encountered a potential Differing Site Condition (DSC) while drilling the compensation grouting hole WFB-6 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.
92	78			pending	Comp Grout - WF & ATT	BIHJV Letter 97	3/7/2013	3/13/2013	Yes	Started		Not Started	2			No Action Required	3/13/2013	\$20,000.00	0			NA												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.
93	79			pending	Comp Grout - Old Navy	BIHJV Letter 98	3/7/2013	3/13/2013	Yes	Started		Not Started	2			No Action Required	3/13/2013	\$45,000.00	0			NA												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 DSC's were also encountered including, but not limited to, site duct banks, concrete of unknown contents, and steel pipes.
94	80			pending	MOS North Asbestos Wrapped 20" Waterline	BIHJV Letter 101	3/12/2013	3/18/2013	Yes	Not Started		Not Started	2			No Action Required	3/18/2013	\$43,000.00	0			NA												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.