

Memorandum

CS Memorandum No. 1274

To:

Distribution

From:

Susan MacKenzie, Document Control Manager

Date:

October 30, 2012

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

Task No. 1-8.02, Change Control

Subject:

Configuration Management Board Meeting No. 97

Attached please find minutes for Configuration Management Board Meeting No. 97 held on October 10, 2012.

Attachments: CMB Meeting No. 97 Rev. 0 Minutes with attachments

Cc:

David Kuehn, STV (w/attachments) david.kuehn@stvinc.com

John Funghi, SFMTA (w/attachments)

Shahnam Farhangi, SFMTA (w/attachments) Roger Nguyen, SFMTA (w/attachments) Jane Wang, SFMTA (w/attachments) Carlos Campillo, CSP (w/attachments)

Quon Chin, CSP (w/attachments)

Chuck Morganson, HNTB/B&C (w/attachments)

Aileen Read, CSDG (w/attachments)

CS File No. M544.1.5.0890

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Ross Edwards, CSP

Mark Latch, CSP

Mark Benson, CSP

Eric Stassevitch, CSP

Beverly Ward, CSP

Sarah Wilson, CSP

Ken Barnhart, Hill International

Michael Acosta, DPW







CMB Meeting Minutes #97

DATE: October 11, 2012

MEETING DATE: October 10, 2012

LOCATION: 821 Howard St, Main Conference Room

TIME: 3:00 PM

ATTENDEES: A. Hoe (AH), J. Park (JP), A. Wong (AW), R. Edwards (RE), M. Latch (ML), M. Benson (MB),

E. Stassevitch (ES), B. Ward (BW), M. Acosta (MA), K. Barnhart (KB), S. Wilson (SW), J. L. Zurinaga (LZ), M. Lee (ML), B. Lebovitz (BL)

COPIES TO: Attendees: S. Farhangi (SF), J Funghi (JF), R. Nguyen (RN), Q. Chin (QC),

J. Wang (JW), C. Campillo (CC), C. Morganson (CM), A. Read (AR), D. Kuehn (DK)

File No. M544.1.5.0890

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

Final Design

SUBJECT: Configuration Management Board Meeting # 97– Rev. No. 0

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

ITEM#	DISCUSSION	ACTION BY DUE DATE
1 – 07/18/12	1252 – The Construction Manager and Resident Engineer presented a proposal from BIH for a no cost change to perform the Grant Avenue Conversion between Post Street and Geary Street from One-way to Two-way Street and modify the traffic signal at Grant Avenue and Geary Street intersection. A cost proposal was also received from Department of Traffic which includes; at their request adding an additional block to the scope of work and making the conversion between Geary and Sutter. Cost proposal received from DPT was relatively close to proposal received from BIH. DPT believes they can have this work done by 7/30, which includes performing pavement marking and redo the signalization. CMB agreed DPT will do the work with a "not to exceed" value of \$39K. In addition the CMB requested a side by side consolidated view of the cost and the recommendation be submitted to the CMB. Also that a scope of work quote be outline to properly implement a detour using Grant St, between Geary and Sutter. The Construction Manager will put together a complete proposal package for CMB approval. 10/10 Status: This item was not discussed at this week's meeting.	
3- 07/25/12	1252 – M. Benson and Sarah Wilson presented MOS Traffic Signal re-route cost proposal for re-routing the traffic signal cable for review (Trend #15). This work will require a new trench to be excavated south of the south headwall limits and new conduits and traffic cables will be installed in the new trench. This cost change will give authorization to the Contractor as a "Do Not Exceed Value" of \$40K. The CMB requested the PCC look into the hourly rate/daily rate for the triton barrier also to find out what the 1.5% payroll tax item is (what are we paying for)? This COR will be brought back to the next CMB meeting as a contract modification for approval. 08/01: The RE gave a status update to Trend #15; reporting the potential change order now may include standby time associated with this	





ITEM#	DISCUSSION	ACTION BY DUE DATE
	change. A revised CMod will be develop to include cost for potential standby time and brought back to the CMB for review. 10/10 Status: This item was not discussed at this week's meeting.	
5- 08/08/12	1252 – R. Edwards presented a PCC for Tunnels - Reduction of UMS Headwall Concrete and Reinforcement Limits for approval of change. (See attached PCC-02). This change would reduce the cost of the headwall construction as well as facilitate the future station demolition of the headwalls. The CMB was in agreement this change needs to be done but wanted to review detailed estimate. This item will be brought to the CMB for signature approval next week. 08/15: Agenda item was viewed however; cost estimate was not available to review. The CMB requested a complete package be brought back to next week's meeting for review and signature approval. 08/22: A complete PCC package which included the cost estimate was reviewed, however Proposed Contract Change concurrence was not given by the Contract Administrator's representative due to lack of authority to sign contract changes. The Construction Manager will forward the complete package to Joon Park for a more thorough review followed by a recommendation to Shahnam Farhangi, SFMTA Contractor Administrator. This item will be brought to the next CMB meeting. In addition a recommendation by the Board was given to update the Proposed Contract Change (PCC) Issuance and Processing procedures "Concur In Principle" section (Form 1102-1) delegating signature approval to a voting member of the Configuration Management Board. 08/29: The PCC approval concurrence was giving by the SFMTA Contractor Administrator on 08/23. A copy of the signed documentation needs to be presented to the CMB for final board approval. 09/12: This item was not discussed at the meeting and is on hold pending the outcome of the meeting with the contractor regarding their response to PCC 1252-002 UMS Headwalls. 10/10 Status: This item was not discussed at this week's meeting.	
3- 10/03/12	1252 – M. Benson and S. Wilson presented PCC – 03 Traffic Detour Signage (see attached) summary of changes. The CMB concurred with the proposed contract change and directed the RE to submit the documentation to the Contractor requesting a price quote to perform the work. In addition the 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. 10/10 Status: This item was not discussed at this week's meeting.	MB 10/17/12
1-	1250 – M. Benson and M. Acosta presented CMod #21 – Adjust Contract Unit prices for Bid Items, whose final used quantities were determined to be 1) Less than 75% of the quantity shown in the schedule of bid prices and 2) Greater 125% of the quantity shown in the bid prices for consideration. The RE also presented a Contract Bid Item Analysis showing the over/under percentage and dollar amount for each bid item. The CMB disagreed with the way the Bid Item Analysis final amounts was presented, recommending the remaining bid item amount for the GE-5 allowance \$50K be exhausted - adjusting the bid item and recommending the RE do a comparison to ensure GE-5 Allowance - Differing Site Conditions are not in GE-4 Allowance - Archaeological Discoveries.	
2-	1251 – M. Benson and M. Acosta presented for approval Trend #52 – Reroute unforeseen existing waterline on discovered along Geary Street; Trend #65 – Additional fittings for AWSS lateral and chipping of pole foundation at Market/Ellis Streets; and Trend #70 Core drill primary wall and install interior plumbing at Armani and Disney for the completion of fire service water cutover work, which all relate to the water department. The reason for Trend #52 change was due to existing waterline not shown in the plan drawings, In Trend #65 existing pipe goes through the foundation and the Contractor had to add additional fittings after it was chipped away to make room for the fitting. Trend #70 The water department didn't want to connect to thin - wall steel, which made the steel susceptible to corrosion, so they had to modify the pipe needed to be installed. AGREE – CMB 0079	



ITEM#	DISCUSSION	ACTION BY DUE DATE
3-	1252 – M. Benson and Sarah Wilson presented COR 001 AWSS Conflict with Low Pressure Water at Harrison - Evaluation for Merit, which is in accord with CM Procedures. Existing low pressure 12" waterline line is shown on the contract drawing to be 3" north of an existing 12" AWSS "T" fitting. During excavation required for the AWSS removal and relocation it was discovered that the existing water line was actually further south than indicated on the drawings. In addition the Program's Estimating team prepared a cost estimate for review. The CMB questioned what took so long to receive notification from the Contractor? The RE responded that the reason was due to an administration hold up; being the proper "Change Order Request Form" was not given to the Contractor in a timely manner. The CMB also questioned if the dollar amount is only for the delta and not the entire work; since it is not additional work. The RE confirmed the cost estimate being analyze is only for the delta. A final cost estimate price has not been negotiated Contractor. The CMB was in agreement with the merit of the COR and concurred with the recommendation to negotiate for an amount "Not to Exceed" \$16,900. A time impact analysis relating to this work has been received under COR 008 (see attached).	
4-	1252 – M. Benson and Sarah Wilson presented COR 002 Additional AWSS restraining @ 4 th & Harrison - Evaluation for Merit. During excavation AWSS relocation at intersection of 4 th and Harrison Street Contractor uncovered a section of pipe North of the AWSS "T" fitting which was unrestrained and badly rusted. In addition the Program's Estimating team prepared a cost estimate for review. A final cost estimate price has not been negotiated with the Contractor. The CMB was agreement with the merit of the COR and concurred with the recommendation to negotiate for an amount "Not to Exceed"\$45K. A time impact analysis relating to this work has been received under COR 008 (see attached).	
5-	1252 – M. Benson and Sarah Wilson presented COR 003 AT&T Vault conflict w/ 42" RCP Sewer Main - Evaluation for Merit. Existing AT&T vault and duct bank conflicted with the installation of the 35 linear feet of 42" RCP required as show in the contract drawings. This item is reimbursable from AT&T. In addition the Program's Estimating team prepared a cost estimate for review. A final cost estimate price has not been negotiated with the Contractor. The CMB was agreement with the merit of the COR and concurred with the recommendation to negotiate for an amount "Not to Exceed" \$21,089, an amount to be reimbursed by AT&T. A time impact analysis relating to this work has been received under COR 008 (see attached).	
6-	1252 – M. Benson and Sarah Wilson presented – COR 010 MOS – Demolition PG&E Duct Bank - Evaluation for Merit. PG&E requested the demolition of concrete duct bank and manhole1495, located just north of the north Moscone headwall to facilitate their removal of the city 911 fiber optic cables. This item has a "Not to Exceed" value of \$5K and is reimbursable by PG&E. The Engineer's cost estimate was not available for review. A final cost estimate price has not been negotiated with the Contractor. The CMB was agreement with the merit of the COR (see attached).	
7-	1252 – M. Benson and Sarah Wilson presented – COR 029 MOS – Todco Scaffolding Reimbursement - Evaluation for Merit. Utility demolition and guidewall construction for the north Moscone headwall could not commence until neighboring business Todco's scaffolding was removed. The scaffolding was not anticipated or indicated on the contract drawings and was properly submitted through SFDPW. The Engineer's cost estimate was not available for review. The final cost estimate has not been negotiated with the Contractor. The CMB was agreement with the merit of the COR the value of the change is \$1,717 (see attached).	
8-	1252 – M. Benson and Sarah Wilson presented Change Order Request No. 2; Summary Record of Negotiations - Reduction in the UMS activity durations for review (Trend #16). The Contractor provided a markup of the record of negotiations (see attached). In the	



ITEM#	DISCUSSION	ACTION BY DUE DATE
	"Conditions of Change" section the sentence will be revised by the RE to readshall not exceed 700 psi compressive strength inside the UMS station footprint for this Contract only.	

ACTION ITEMS

ITEM #	MTG DATE	MTG ACTION DATE	DESCRIPTION	віс	DUE DATE	STATUS
3	10/03/12	10/03/12	1251 – Detour Signage Quote from DPT	M. Benson	10/17/12	Open

Meeting adjourned at 5:25pm

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.

igned: Date: 24 Date: [Date review completed]



Meeting Agenda

Project No. M544.1, Contract No. CS-149
Program/Construction Management
Configuration Management Board (CMB) Meeting No. 97
October 10, 2012
3:00pm – 5:00pm
Central Subway Project Office
821 Howard St. 2nd Floor
Main Conference Room

Attendees:

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

- 1. 1250 Final Contract Amount
- 2. 1251 Differing Condition Related to SFWD Utilities (Trend Nos. 52, 65, and 70) For Approval
- **3. 1252** AWSS additional work and changes, ATT additional work and associated TIA (Trend Nos. 1, 2, 3, and 6) *For Approval*
 - Demolish PG&E Duct Bank (Trend No. 8) For Approval
 - UMS Reduced Duration (Trend No. 16) Update
 - Todco Scaffolding Reimbursement (Trend No. 21) For Approval
- 4. 1253 (UMS) Nothing to Report
- 5. 1254 (CTS) Nothing to Report
- 6. **1255 (MOS)** Nothing to Report
- 7. 1256 (STS) Nothing to Report
- 8. Trend/Change Log -
- 9. Other Business -







Meeting Attendance Sheet

Project No. M544.1, Contract No. 149
Program/Construction Management
Configuration Management Board Meeting No. 97
October 10, 2012
3:00 p.m. – 5:00 p.m.
Central Subway Project Office
821 Howard, 2nd Floor
Main Conference Room

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

NAME	AFFILIATION	PHONE	E-MAIL (for minutes)	INITIALS
Please enter nam		iter initials if your name ne number and ema	ne is listed below. il address if your name is not listed b	pelow.
Benson, Mark	CSP	(415) 701-4295	Mark.Benson@sfmta.com	mas
Dombrowski, Charles	Hill/PCC	(415) 701-5272	Charles.Dombrowski@sfmta.com	
Edwards, Ross	CSP	(415) 581-5165	Ross.Edwards@sfmta.com	ype
Farhangi, Shahnam	SFMTA	(415) 554-0721	Shahnam.Farhangi@sfmta.com	
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Lebovitz, Brad	STV/PMOC	(510) 464-8052	Bradley.lebovitz@stvinc.com	BL
Lee, Matt	SFCTA	(415) 522-4813	matt@sfcta.org	Ma



NAME	AFFILIATION	PHONE	E-MAIL (for minutes)	INITIALS
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Zurinaga, Luis	SFCTA	(415) 716-6956	Luis.zurinaga@sfcta.org	Ans
Kike Auste	CSP	701-5282		M
sarah Wilson	CSP	415.243.0950	sarah. wilson@sfmta.com	SHW
Ken Barnhart	Aill	45-701-5274	Kenneth. Barnhast @s forta	273
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CMB Change No.: CMB - 0079

Initial Implementing Change Control Procedure No.:_1251 – CMod Trend #52, 65 and 70

GENERAL							10/10/2012		
Proposed	Change S	Sponsor:		M. Acos	sta		Received	by CMB:	-09/12/2012
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				Trend #65 foundation				S lateral and	chipping of pole
 Trend #70 – Core drill primary wall and install interior plumbing at Armani and Disney for the completion of fire service water cutover work. 									
Contrac	t(s) Dire	ctly Affe	cted by	this Propo	osed Ch	ange:	,		
1250	1251	1252	1253	1254	1255	12	56		
1 ☐ (CP01)	2 ⊠ (CP02)	3 [] (CB03)	4 [(CP04)	5 (CR05)	6 [] (CB06)	7 [
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TREND NUMBERS 52, 65 AND 70

SFMTA Contract No. 1251

Contractor:

Synergy Project Management Inc.

UNION SQUARE/MARKET STREET STATION

30 Grant Street, Suite 300 San Francisco, CA 94108

UTILITIES RELOCATION

SUPPLEMENTAL CHANGE ANALYSIS (FOR CMB APPROVAL)

SCOPE OF WORK:

Trend 52: Reroute unforeseen existing waterline on discovered along Geary Street (east of Stockton Street).

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 as required for the completion of fire service water cutover work.

REASON FOR CHANGE:

Trend 52: An unforeseen existing waterline was found to be in conflict with PG&E vault 573 and needed to be rerouted per City's response to RFI #182.

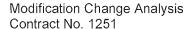
Trend 65: An existing Muni pole foundation is in the way of the AWSS lateral. Additional fittings are required to complete Contract work.

Trend 70: Existing fire service inside the building is a thin-wall steel pipe that extends out to the previously existing sub-sidewalk basement. The 1251 Contractor had backfilled the subsidewalk basement per contract, which now made the steel pipe susceptible to corrosion. The SFWD Inspector state that it was not acceptable to tie-in to the steel pipe due to corrosion issue plus the fact that the pipe is thin walled, which makes welding difficult. A suitable ductile iron pipe needed to be installed from the main into the building.

COST SUMMARY TABLE:

Trend Number:	Description of Additional Work Performed:	Contractor's Cost Proposal	Forecasted NTE Cost:	Trended Amount
52	Reroute unforeseen existing waterline on Geary east of Stockton	\$39,167.37	\$28,852.82	\$45,000.00
65	Additional fittings for AVVSS lateral and chipping of pole foundation at Market/Ellis	\$43,855.89	\$21,779.12	\$20,000.00
70	Core drill primary wall and install interior plumbing at Armani and Disney for the fire service water cutover	\$14,033.67	\$14,033.67	\$20,959.35
	TOTAL	\$97,056.93	\$64,665.61	\$85,959.35







COST ANALYSIS:

Each of the 18 FARs submitted by the Contractor was thoroughly reviewed by the SFMTA Resident Engineer. After this comprehensive review it was determined that the final value of these FARs will not exceed the \$64,665.61 total shown in the Cost Summary Table. Note that these final negotiations have not yet taken place therefore the 'Forecast NTE Cost' should not be considered a final agreed cost but rather a ceiling for future negotiations.

Approval of the NTE cost contained herein will allow the Resident Engineer to conduct final negotiations with the Contractor which in turn will facilitate the compilation and execution of a Contract Modification.

SCHEDULE ANALYSIS:

This work does not impact the Substantial Completion Date. There is no time adjustment associated with this Contract Modification.

SUMMARY TABLE FOR TRENDS 52, 65 AND 70

Differing Conditions Encoutered During the Installation of SFWD Related Infrastructure SFMTA Central Subway Contract Number 1251 - Union Square/Market Street Station Utilities Relocation

Item #	Index #	FA#	Description	Synergy Requested Amount	SFMTA Current Approved Amount	Forecasted Final Amount
1	2.1.1	2321	Removal of 4" and 12" abandoned water line alonge Stockton and Maiden Lane	\$8,973.14	\$3,446.46	\$3,446.46
2	2.1.2	2373	SE corner Geary & Stockton - Demo & remove abandoned water valve & fittings not shown on contract documents.	\$1,861.07	\$1,463.21	\$1,463.21
3	2.1.3	3212	Vertical offset for new waterline over existing PG&E vault 467. (Stockton between Maiden Lane and Geary)	\$5,790.30	\$5,295.95	\$5,295.95
4	2.1.4	3230	Stockton/Geary - installation of LPWM (8") per direction of SFMTA.	\$6,704.81	\$5,374.15	\$5,374.15
5	2.1.5	3234	150 Stockton (north side) - installation of LPWM (8") per direction of SFMTA.	\$8,237.99	\$6,220.68	\$6,220.68
6	2.1.7	3237	Install new water line at north side of 150 Stockton	\$7,600.06	\$7,052.37	\$7,052.37
			Trend No. 52 Subtotal	\$39,167.37	\$28,852.82	\$28,852.82
7	2.2.2	3296	Chip light pole base at corner of Market & Ellis for AWSS.	\$1,780.64	\$792.15	\$1,461.86
8	2.2.3	3306	Dig for changes on AWSS at the corner of Stockton and Ellis. Hydrant run.	\$5,932.66	\$3,484.97	\$3,484.97
9	2.2.4	3307	Dig/chip existing concrete structure for changes in AWSS hydrant run on Ellis and Market	\$5,471.88	\$3,306.18	\$3,306.18
10	2.2.5	3334	Demo of Bart pole foundation on the corenr of Ellis and Stockton. Foundation is not shown on drawings to be removed. In conflict with new water hydrant	\$5,029.45	\$3,787.58	\$3,787.58
11	2.2.6	3341	AWSS corner of Market/Stockton due to changes in AWSS hydrant configuration	\$8,299.37	\$2,858.13	\$2,858.13
12	2.2.8	3359	Installation of AWSS waterline on Ellis & Market. Change in AWSS design due to light pole conflicts.	\$5,036.89	\$473.94	\$473.94
13	2.2.9	3361	Install AWSS hydrant on Market/Ellis. Change in AWSS due to light base.	\$4,793.13	\$1,093.82	\$1,093.82
14	2.2.10	3363	Chip on newly installed PGE conduit damaged by SFWD while they installed water connection tie in on Geary West (NE Corner).	\$4,256.82	\$3,033.27	\$3,033.27
15	2.2.11	3395	Fix AWSS leak @ point of connection on Ellis St. Installation of AWSS line was different than shown on plans.	\$3,255.05	\$2,279.37	\$2,279.37
			Trend No. 65 Subtotal	\$43,855.89	\$21,109.41	\$21,779.12
16	2.3.1	WPR #1	Works plumbing waterline installation work at The Disney Store (Estimate #80)	\$8,587.96	\$8,587.96	\$8,587.96
17	2.3.2	WPR #2	Works plumbing waterline installation work at The Disney Store (Estimate #80)	\$4,586.05	\$4,586.05	\$4,586.05
18	2.3.3	JJA	SFMTA estimate for coring work subcontracted to JJA	\$859.66	\$859.66	\$859.66
			Trend No. 70 Subtotal	\$14,033.67	\$14,033.67	\$14,033.67

	Synergy Request Amount	SFMTA Current Approved Amount	Forecasted Final Amount
Trend Numer 52 Subtotal	\$39,167.37	\$28,852.82	\$28,852.82
Trend Numer 65 Subtotal	\$43,855.89	\$21,109.41	\$21,779.12
Trend Numer 70 Subtotal	\$14,033.67	\$14,033.67	\$14,033.67
TOTAL CONTRACT MODIFCATION VALUE	\$97,056.93	\$63,995.90	\$64,665.61



CONTRACT MODIFICATION NO. 21

Final Contract Bid Item Adjustment

SFMTA Contract No. 1250 MOSCONE STATION AND PORTAL UTILITIES RELOCATION **Contractor:** Synergy Project Management Inc. 150 Executive Park Blvd., Suite 4750

San Francisco, Ca 94134

SUPPLEMENTAL ANALYSIS (FOR CMB PRESENTATION)

SCOPE OF WORK:

Adjust Contract Unit prices for Bid Items whose final used quantities were determined to be:

- (a.) Less than 75 percent of the quantity shown in the Schedule of Bid Prices [17 Bid Items Total]
- (b.) Greater than 125 percent of the quantity shown in the Schedule of Bid Prices [3 Bid Items Total]

Refer to the attached Contract Bid Item Analysis spreadsheet for a detailed breakdown of all Contract Bid Items.

REASON FOR CHANGE:

Pursuant to Contract General Provisions Paragraph 11 "Estimate of the Amount of Work to be Done", at the conclusion of Contract work the SFMTA and the Contractor are to review all Contract Bid Items and identify ones whose final usages exceed the overage/underage thresholds listed above.

For Bid Items whose final total usage is under the 75 percent threshold, the Contractor is entitled to negotiate a modified higher Unit Price. This is permitted as to enable the Contractor to recoup his general conditions costs which were included within the unused portion of the Bid Item in question.

For Bid Items whose final total usage is over the 125 percent threshold, the SFMTA is entitled to negotiate a modified lower Unit Price. This is permitted as to enable the SFMTA to realize a cost savings resulting from the Contractor's added efficiency/experience resulting from that higher actual final quantity as compared to the anticipated quantity used to create a Unit Price during the bidding process.

TOTAL MODIFICATION VALUE:

\$(170,620.15) Unused Bid Item Amount

+ \$49,669.04 Contractor's Additional General Condition Costs (including credits to SFMTA)

\$(120,951.11) Net Contract Value Change Related to Final Bid Item Adjustment

COST ANALYSIS:

After completing the attached Contract Bid Item Analysis, the SFMTA Resident Engineer met with the Contractor to propose a final compensation value for the Bid Item overage/underage discussed herein. During this meeting it was agreed that there was \$(170,620.15) in unused Contract Bid Items.

In addition to the unused Bid Item amount discussed above, the SFMTA Resident Engineer and the Contractor also reviewed and agreed upon the Contractor's general conditions/overhead rate. In order to validate his proposed rate, the Contractor submitted an itemized breakdown of all his general condition costs (attached for reference). After a review of this supporting documentation, the SFMTA Resident Engineer and the Contractor were able to agree on a 19.69 percent for general conditions costs. Note that this is the rate used in the "General Conditions" column on the attached Contract Bid Item Analysis spreadsheet.

Having agreed on the aforementioned net Bid Item underage and the overhead rate, the SFMTA Resident Engineer and the Contractor were able to agree that \$(120,951.11) represented a complete and final Contract Modification to bring SFMTA Contract Number 1250 to completion.





With the execution of this final Contract Modification to Contract Number 1250 the final Contract value will become:

\$9,273,939.00 Original Contract Amount
\$2,840,841.00 Contract Modifications No. 01 through No. 20
+ \$(120,951.00) Contract Modification No. 21 (presented herein)

\$11,993,829.00 Final Contract Value

SCHEDULE ANALYSIS:

There is no time extension associated with this Contract Modification.

SFMTA CONTRACT No. 1250 - Phase 2 Central Subway MOSCONE STATION AND PORTAL UTILITIES RELOCATION

Report Date: 9/25/12 BID ITEM UNIT CONTRACT OVER/UNDER ITEM 75% OR 125% **ELIGIBLE** ΔΟΤΙΙΔΙ GENERAL CONDITIONS DESCRIPTION UNIT OF CONTRACT EXPENDITURE **EXPENDITURE** (19.69% OF ELEG. EXPN. DIFF.) COUNT NO. PRICE QUANTITY AMOUNT AMOUNT DIFFERENCE MOBILIZATION AND DEMOBILIZATION \$700,000.00 100% GE-1 LS \$700,000.0 \$700,000.00 \$0.0 GE-2 CURRENT SCHEDULES EΑ 1,200.0 \$15,600.00 \$18,000.00 115% \$2,400.0 13 GE-3 ALLOWANCE FOR REIMBURSABLE EXPENSES AL \$30.000.0 \$30.000.00 \$30.768.89 103% \$768.89 GE-4 ALLOWANCE FOR DIFFERING SITE CONDITIONS AL \$150,000.0 \$150,000.00 \$354,482.9 236% \$204,482.9 ALLOWANCE FOR ARCHAEOLOGICAL DISCOVERIES GE-5 AL \$50,000.0 \$50,000.00 \$50,000.00 100% \$0.0 GE-6 ALLOWANCE FOR HAZMAT AL \$100.000.0 \$100,000.00 \$40.840.39 (\$59.159.6 6 1 41% ALLOWANCE FOR RELOCATING CITY-OWNED PULL 7 GE-7 AL \$18,000.00 \$18,000.00 \$13,298.03 74% (\$4,701.9 BOXES FOR CURB RAMPS ALLOWANCE FOR CAST-IN-PLACE UTILITY VAULTS \$100,000.00 49% 8 GE-8 \$100,000.0 \$49,000.00 AL (\$51,000 9 GE-9 TRENCH BOTTOM STABILIZATION CY 300 \$6,000.0 \$6,000.00 100% \$0.0 20.0 TRAFFIC REGULATION LS 450.000.0 \$450,000.00 \$450,000.00 100% 10 TR-1 \$0.00 11 TR-2 TRITON WATER FILLED BARRIER OR EQUAL EΑ 1,000.0 10 \$10,000.00 \$10,000.00 100% \$0.00 CHANGEABLE MESSAGE SIGNS 100% 12 TR-3 13,200.0 \$26,400.00 \$26,400.00 \$0.00 EΑ 2 13 TR-4 CONSTRUCTION AREA AND SPECIAL TRAFFIC SIGNS EΑ 500.00 20 \$10.000.00 \$5.000.00 50% \$7,500.00 \$2,500.00 \$492.25 TEMPORARY PAVEMENT MARKING, DELINEATION TAPE 14 TR-5 11,250.00 \$11,250.00 \$11,250.00 100% \$0.00 AND OVERLAY RAISED MARKERS AFTER FINAL PAVING LS ALLOWANCE FOR MANUAL TRAFFIC CONTROL \$63,469.85 \$8,469.85 15 TR-6 AL\$55,000.0 \$55,000.00 115% 16 UD-1 HANDLING AND DISPOSAL OF STREET TREES LS 5,000.0 \$5,000.00 \$5,000.00 100% \$0.00 1 17 UD-2 DEMOLITION OF PG&E VAULTS LS 12,000.0 \$12,000.00 \$12,000.00 100% \$0.00 18 UD-3 DEMOLITION OF AT&T VAULT 2082 LS 18,000.0 \$18,000.00 \$18,000.00 100% \$0.00 19 UD-4 Not Used HANDLING AND DISPOSAL OF CALIFORNIA CLASS 1 20 UD-5 6000 \$60.000.00 0% (\$60.000.0 \$45,000.00 \$45.000.00 \$8.860.50 10.00 \$0.00 (NON-RCRA) HAZARDOUS WASTE Ton TRANSPORTATION OF CALIFORNIA CLASS 1 (NON-21 UD-6 15.00 6000 \$90,000.00 \$0.00 0% (\$90,000.0 \$67.500.00 \$67.500.00 \$13,290,75 RCRA) HAZARDOUS WASTE Ton HANDLING AND DISPOSAL OF CALIFORNIA CLASS 2 22 UD-7 10.00 6000 \$60,000.00 \$67,272.40 112% \$7,272.40 (NON-HAZARDOUS) EXCAVATED MATERIAL Ton TRANSPORTATION OF CALIFORNIA CLASS 2 (NON-23 UD-8 15.00 6000 \$90,000.00 \$100,908.60 112% \$10,908.60 HAZARDOUS) EXCAVATED MATERIAL Ton ADDITIONAL EXPLORATORY HOLES \$42,000.00 24 UD-9 EΑ 1.000.00 50 \$50,000,00 84% (\$8.000. 25 UD-10 ADDITIONAL EXCAVATION AND BACKFILL CY 250.00 200 \$50,000.00 \$46,795.00 94% (\$3,205 26 UD-11 PRE-EXCAVATION ENVIRONMENTAL SOIL PROFILING LS 35,000.0 \$35,000.00 \$35,000.0 100% \$0.0 27 WIDTH<1-FT (DEPTH<5-FT) LF 140.0 \$77,000.00 \$34.300.00 45% (\$42,700.0 JT-1 550 \$37,240.00 \$37,240.00 Quantity adjustment for JT-1: WIDTH<1-FT (DEPTH<5-FT) LF \$140.00 28 CM 3 29 1-FT≤WIDTH<2-FT (DEPTH<5-FT) LF \$260,800.0 \$119,360.00 (\$141,440. JT-2 160.0 1630 46% Quantity adjustment for JT-2: 1-FT≤WIDTH<2-FT (DEPTH<5-30 CM 3 \$160.00 \$0.00 \$102,400,00 \$102,400.00 LF 2-FT≤WIDTH<3-FT (DEPTH<5-FT) LF \$75.250.00 31 JT-3 175.0 430 \$182 700 00 243% \$107,450.00 WIDTH≥3-FT (DEPTH<5-FT) 32 JT-4 LF 190.00 280 \$53,200.00 \$150.860.00 284% \$97,660.0 33 WIDTH<2-FT (5-FT≤DEPTH<8-FT) LF 170.0 (\$16,150. JT-5 190 \$32,300.00 \$16,150.0 50% 34 2-FT≤WIDTH<3-FT (5-FT≤DEPTH<8-FT) LF 195.00 \$44,850.00 \$44,850.00 JT-6 230 100% \$0.00 Quantity adjustment for JT-6: 2-FT≤WIDTH<3-FT (5-35 CM 3 \$195.00 (\$18,915.00 (\$18,915.0 FT≤DFPTH<8-FT) LF 36 JT-7 WIDTH≥3-FT (5-FT≤DEPTH<8-FT) LF 230.0 500 \$115,000.0 \$180.550.00 157% \$65,550.0 37 JT-8 WIDTH<2-FT (8-FT≤DEPTH<12-FT) LF 180.0 \$2,700.0 \$21,600.0 800% \$18,900.0 15 38 JT-9 2-FT≤WIDTH<3-FT (8-FT≤DEPTH<12-FT) LF 190.00 220 \$41.800.00 \$72,200.00 173% \$30,400.00 LF 39 JT-10 WIDTH≥3-FT (8-FT≤DEPTH<12-FT) 200.00 \$98,000.00 \$79,400.00 81% (\$18.600.0 Quantity adjustment for JT-10: WIDTH≥3-FT (8-40 LF CM 3 \$200.00 (\$42,800.0 (\$42,800.0 FT≤DEPTH<12-FT) WIDTH<3-FT (DEPTH≥12-FT) 41 JT-11 LF \$20,020.00 (\$73,580.0 260.00 360 \$93,600.00 21%

SFMTA CONTRACT No. 1250 - Phase 2 Central Subway MOSCONE STATION AND PORTAL UTILITIES RELOCATION

Report Date: 9/25/12 BID ITEM ITEM UNIT CONTRACT OVER/UNDER 75% OR 125% **ELIGIBLE** ACTUAL GENERAL CONDITIONS DESCRIPTION UNIT OF CONTRACT EXPENDITURE **EXPENDITURE** (19.69% OF ELEG. EXPN. DIFF.) COUNT NO. PRICE QUANTITY **AMOUNT** AMOUNT DIFFERENCE 42 Quantity adjustment for JT-11: WIDTH<3-FT (DEPTH≥12-FT) \$260.00 \$55,640.00 \$55,640.00 43 JT-12 WIDTH≥3-FT (DEPTH≥12-FT) LF 275.00 860 \$236,500.0 \$39,875.00 17% (\$196,625.0 44 Quantity adjustment for JT-12: WIDTH≥3-FT (DEPTH≥12-FT) \$275.00 \$74,250.00 \$74,250.00 CM3 LF 45 JT-13 INTERCEPT UTILITY VAULTS TYPE PTS69 EΑ 30.000.0 \$120,000.00 \$120,000.00 100% 4 \$0.00 UTILITY VAULT T4 JT-14 EΑ \$16.000.00 0% \$12,000,00 \$12,000,00 \$2.362.80 46 4.000.00 4 \$0.00 UTILITY VAULT T3 47 JT-15 EΑ 4,000.0 \$4,000.00 \$0.00 0% \$3,000.00 \$3,000.00 \$590.70 UTILITY VAULT T2 48 JT-16 EΑ 4,000.0 \$4,000.00 \$0.00 \$3,000.00 \$3,000.00 \$590.70 1 0% (\$4,000 49 UTILITY VAULT TYPE 7 EΑ 20.000.0 8 \$160,000.00 \$80.000.00 50% \$120,000.00 \$40.000.00 \$7.876.00 UTILITY VAULT TYPE 4X4X4 ARMORCAST 50 JT-18 EΑ 10,000.0 \$10,000.00 \$10,000.00 100% \$0.0 51 JT-19 UTILITY VAULT TYPE I EΑ 1,200.0 \$4,800.00 \$2,400.00 50% \$3,600.00 \$1,200.00 \$236.28 UTILITY VAULT TYPE III EΑ 52 JT-20 1,200.0 5 \$6,000.00 \$6,000.00 100% \$0.00 53 JT-21 UTILITY VAULT TYPE 3X EΑ 1,500.0 \$6,000.0 \$6,000.00 100% \$0.0 UTILITY VAULT 38-687 54 JT-22 EΑ \$44,000.00 \$44,000.00 100% 22,000.0 \$0.00 55 JT-23 UTILITY VAULT 38-687 custom EΑ 25.000.0 \$25.000.00 \$25,000.00 100% \$0.00 56 JT-24 UTILITY VAULT Christie B44 EΑ 2,200.0 \$2,200.00 \$2,200.00 100% \$0.00 FURNISH AND INSTALL 2" HDPE (High Density 57 \$111,410.00 \$186,693.00 JT-25 13.00 8,570 168% \$75,283.00 Polvethylene) CONDUIT LF FURNISH AND INSTALL 4" HDPE (High Density 58 JT-26 18.00 11,300 \$203,400.00 \$203,148.00 100% (\$252.0 Polyethylene) CONDUIT LF FURNISH AND INSTALL 3" PVC (Polyvinyl Chloride) 59 JT-27 15.00 1,100 \$16,500.00 \$116,145.00 704% \$99,645.00 LF FURNISH AND INSTALL 4" PVC (Polyvinyl Chloride) 60 \$549,100.00 (\$74,001.0 JT-28 17.00 32,300 \$475,099.00 87% CONDUIT LF FURNISH AND INSTALL 5" PVC (Polyvinyl Chloride) 61 JT-29 20.00 230 \$4,600.00 \$9,060.00 197% \$4,460.00 CONDUIT LF FURNISH AND INSTALL 6" PVC (Polyvinyl Chloride) 62 JT-30 \$137,060.00 \$134,024.00 22.00 6,230 98% (\$3,036.0 CONDUIT FURNISH AND INSTALL 1-1/2" QUADLOCK 63 JT-31 LF 22.00 \$23,100.00 \$27,940.00 121% \$4,840.00 1,050 FURNISH AND INSTALL 1-1/2" GRS (Galvanized Rigid Steel) 64 JT-32 18.00 \$9,396.00 59% (\$6,624.0 890 \$16,020.00 LF FURNISH AND INSTALL 2" GRS (Galvanized Rigid Steel) 65 JT-33 20.00 5.260 \$105,200.00 \$9.120.00 9% (\$96.080.0 66 JT-34 FURNISH AND INSTALL 2" GAS PE (Polyethylene) CONDUI 14.00 760 \$10,640.00 \$10,640.00 100% \$0.00 LF 67 JT-35 FURNISH AND INSTALL 6" GAS PE (Polyethylene) CONDUI 500 \$27,500.00 \$27,500.00 \$0.00 55.00 100% Trench And Excavation Support Work LS 550.000.0 \$550,000.00 \$550,000,00 68 SW-1 100% \$0.00 SW-2 Demolition, Removals, & Abandonment LS 250.000.00 \$250,000.00 \$250,000.00 100% \$0.00 69 1 70 SW-3 12-Inch Diameter VCP Sewer On Crushed Rock Bedding LF 170.00 850 \$144,500.00 \$148,070.00 102% \$3,570.0 14-Inch Diameter HDPE Pipe SDR-17 On Crushed Rock 71 SW-4 200.00 90 \$18,000.00 \$18,000.00 100% Bedding LF (\$1,088.0 72 SW-5 15-Inch Diameter VCP Sewer On Crushed Rock Bedding LF 217.60 \$45.696.00 \$44.608.00 98% 210 73 SW-6 18-Inch Diameter VCP Sewer On Crushed Rock Bedding LF 255.00 240 \$61,200.00 \$65,662.50 107% \$4,462.5 74 21-Inch Diameter VCP Sewer On Crushed Rock Bedding \$64,464.00 \$65,538.40 102% \$1,074.4 SW-7 LF 268.6 240 75 SW-8 24-Inch Diameter VCP Sewer On Crushed Rock Bedding LF 317.9 230 \$73,117.00 \$0.00 0% \$54.837.75 \$54.837.75 \$10,797.55 SW-9 Not Used 76 48-Inch Diameter RCP Class IV Sewer on Crushed Rock 77 SW-10 \$130,000.00 \$100,000.00 77% (\$30,000.0 500.00 260 LF

SFMTA CONTRACT No. 1250 - Phase 2 Central Subway MOSCONE STATION AND PORTAL UTILITIES RELOCATION

Report Date: 9/25/12 BID ITEM ITEM UNIT CONTRACT OVER/UNDER 75% OR 125% **ELIGIBLE** ACTUAL GENERAL CONDITIONS DESCRIPTION UNIT OF CONTRACT EXPENDITURE **EXPENDITURE** (19.69% OF ELEG. EXPN. DIFF.) COUNT NO. PRICE QUANTITY AMOUNT AMOUNT DIFFERENCE Concrete Manhole For Pipe Size 12" to 24" In Diameter With 78 SW-11 4,500.00 \$94,500.00 \$4,500.00 21 \$99,000.00 105% New Frame And Cover (Per Std. Plan 87,181) 79 CM 2 Delete two standard sewer MH from bid item SW-11(COR #5) LS (\$9,000.00) \$0.00 \$9,000.00 0 \$9,000.00 Concrete Manhole For Pipe Size 27" to 48" In Diameter With \$33,750.00 EΑ (\$15,000.0 \$738.38 80 SW-12 15.000.0 3 \$45,000.00 \$30,000.00 67% \$3,750.00 New Frame And Cover (Per Std. Plan 87,182) SW-13 Sewer Main Cleanout (Per Detail on SW-011) \$800.00 81 EΑ 800.00 \$800.00 100% \$0.00 Concrete Catchbasin with New Frame, Grating, and Cast Iron 82 SW-14 EΑ 3,300.00 9 \$29,700.00 \$42,900.00 144% \$13,200.0 Trap (Per SFDPW Std. Plan 87,188) Concrete Storm Water Inlet with New Frame And Grating (Per 83 EΑ 3,300.00 (\$6,600.0 \$4,950,00 \$4.950.00 \$974.66 SW-15 2 \$6,600.00 \$0.00 0% SFDPW Std. Plan 87,189) 10-Inch Diameter VCP Culvert LF \$42.500.00 \$34,750.00 84 SW-16 125.00 340 82% (\$7.750. 85 SW-17 Cast Iron Water Trap For Catchbasin Including Cleanout Cap EΑ 330.00 26 \$8,580.00 \$660.00 8% (\$7,920. \$6,435.00 \$5,775.00 \$1,137.10 Television Inspection of 6, 8, 10, or 12-Inch Diameter Side 86 SW-18 EΑ 350.00 50 \$17,500.00 \$17,500.00 100% \$0.0 Sewer or 10-Inch Diameter Culvert 6 or 8-Inch Diameter Side Sewer Connection to VCP 87 SW-19 EΑ 250.00 50 \$12,500.00 \$8,500.00 68% (\$4,000.0 (Contingency Item) (1) 6, 8, 10 or 12-Inch Diameter Side Sewer or 10-Inch Diameter 88 EΑ \$2,800.00 (\$1,600.0 SW-20 400.00 \$1,200.00 43% Culvert Connection to RCP 6 or 8-Inch Diameter HDPE Welded Side Sewer Connection 1,000.00 \$2,000.00 \$5,000.00 \$3,000.0 89 SW-21 EΑ 2 250% 6, 8, 10, or 12-Inch Diameter Side Sewer Replacement LF \$48,375,00 \$16.875.00 \$3.322.69 90 SW-22 150.00 430 \$64.500.00 \$31,500.00 49% 91 SW-23 Bypassing Main Sewer Flow LS 60,000.0 \$60,000.00 \$60,000.00 100% \$0.0 Post Construction Television Inspection of Newly Constructed 92 SW-24 \$7,500.00 \$7,500.00 100% 7,500.00 \$0.0 Main Sewers LS 93 SS-1 Fifth & Clementina Connection Structure LS 40,000.0 1 \$40,000.0 \$40,000.00 100% \$0.00 LS 94 SS-1 Fourth & Bryant Junction Structure 40.000.0 \$40,000.00 \$40.000.00 100% \$0.00 METER BOX REMOVAL/INSTALLATION 95 WD-1 EΑ 1,000.00 \$7,000.00 \$10,000.00 143% \$3,000.00 \$8,750.00 (\$1,250.00) INSTALLATION 6" DIP WITH POLYETHYLENE 96 WD-2A 23.00 29 \$667.00 \$230.00 34% (\$437.0 ENCASEMENT LF INSTALLATION 8" DIP WITH POLYETHYLENE 97 WD-2B 23.00 540 \$12,420.00 \$8,257.00 66% (\$4,163.0 \$9,315.00 \$1,058.00 \$208.32 ENCASEMENT INSTALLATION 12" DIP WITH POLYETHYLENE 98 WD-2C 38.00 30 \$1,140.00 \$1,330.00 117% \$190.00 ENCASEMENT 99 WD-3 INSTALLATION OF SCREW TAPS EΑ 100.00 8 \$800.0 \$600.00 75% (\$200.0 INSTALLATION OF 1' SERVICE PIPE LF 100 WD-4A 150.00 20 \$3,000.0 \$3,000.00 100% \$0.00 INSTALLATION OF 2" SERVICE PIPE 101 WD-4B LF \$10,000.00 \$10,000.00 100% 200.00 50 \$0.00 FRENCH EXCAVATION & BACKFILL FOR PIPE INSTALLED 102 WD-5 \$56,000.00 171% \$39,725.00 \$70,000.00 (\$5,065.2 175.00 320 \$95,725.00 (\$25,725.00) BY SEWD AND FHI ATERALS CORE DRILL CONCRETE WALL FOR LARGE SERVICES 150% \$2,500.00 (\$98.4 103 WD-6 EΑ 1,000.00 \$2,000.00 \$3,000.00 \$1,000.0 Furnish & Install AWSS Works 80.000.08 104 AW-1 LS \$80,000.00 \$80.000.00 100% \$0.00 Drain/Fill AWSS Cistern 15.000.00 \$15.000.00 \$15,000.00 100% \$0.00 105 AW-2 LS 1 106 AW-3 Install Monitoring at AWSS Crossing EΑ 1,500.0 14 \$21,000.00 \$21,000.00 100% \$0.00 107 AW-4 AWSS System Shutdown LS 10,000.0 \$10,000.00 \$10,000.00 100% \$0.00 Asphalt Concrete (Type A, 1/2-Inch Maximum With Medium RP-1 TON 175.00 \$56.000.00 \$110.755.25 198% \$54,755,25 108 320 Grading) 109 RP-2 8-Inch Thick Concrete Base SF 9.00 25.200 \$226.800.00 \$273.042.00 120% \$46.242.00 RP-3 8-Inch Thick Concrete Pavement SF 9.50 1,900 \$18,050.00 \$11,970.00 66% \$13,537.50 \$1,567.50 \$308.64 110 111 RP-4 6-Inch Wide Concrete Curb LF 32.00 1.850 \$59,200.00 \$65,472.00 111% \$6,272.0 RP-5 1-Foot Wide Concrete Gutter LF \$46.550.00 \$59.325.00 127% \$12,775.00 112 35.00 1.330

2-Foot Wide Concrete Gutter

3 1/2-Inch Thick Concrete Sidewalk

LF

SF

38.00

9.00

300

9,700

RP-6

RP-7

113

114

\$11,400.00

\$87,300.00

\$7,600.0

\$84,559.50

67%

97%

\$8,550.00

\$950.00

\$187.06

SFMTA CONTRACT No. 1250 - Phase 2 Central Subway MOSCONE STATION AND PORTAL UTILTIES RELOCATION

Report Date: 9/25/12

BID ITEM	ITEM			UNIT	CON	ITRACT		OVER/L	INDER	75% OR 125%	ELIGIBLE	9/25/12
COUNT	NO.	DESCRIPTION	UNIT	PRICE	QUANTITY	AMOUNT	ACTUAL EXPENDITURE	%	\$	OF CONTRACT AMOUNT	EXPENDITURE DIFFERENCE	GENERAL CONDITIONS (19.69% OF ELEG. EXPN. DIFF.)
115	RP-8	8-Inch Thick Concrete Sidewalk	SF	12.00	300	\$3,600.00	\$5,760.00	160%	\$2,160.00			
116	RP-9	Concrete Curb Ramp	EA	2,500.00	11	\$27,500.00	\$27,500.00	100%	\$0.00			
117	RP-10	Cast-In Place Detectable Surface Tile	SF	45.00	70	\$3,150.00	\$2,970.00	94%	(\$180.00)			
118	ET-1	TRAFFIC SIGNALS	LS	35,000.00	1	\$35,000.00	\$35,000.00	100%	\$0.00			
119	BP-1	UNDERPINNING OF 801-805 HOWARD STREET	LS	200,000.00	1	\$200,000.00	\$200,000.00	100%	\$0.00			
120	BP-2	UNDERPINNING OF 401 FOURTH STREET	LS	464,000.00	1	\$464,000.00	\$464,000.00	100%	\$0.00			
121	BP-3	DEMOLITION OF MOSCONE CENTER TIE-BACKS AND TEMPORARY SHORING	EA	300.00	44	\$13,200.00	\$13,200.00	100%	\$0.00			
122	BP-4	RESTORATION OF BUILDING WATERPROOFING	SF	10.00	4,000	\$40,000.00	\$14,233.07	36%	(\$25,766.93)	\$30,000.00	\$15,766.93	\$3,104.51
123	MP-01	PLUMBING SYSTEM	LS	100,000.00	1	\$100,000.00	\$100,000.00	100%	\$0.00			
124	EL-1	STREET LIGHTING WORK	LS	12,500.00	1	\$12,500.00	\$12,500.00	100%	\$0.00			
125	TP-1	TRACTION POWER SYSTEM	LS	360,000.00	1	\$360,000.00	\$360,000.00	100%	\$0.00			
126	OV-1	OVERHEAD SPECIAL WORK AT 4TH STREET AND HARRISON STREET	LS	125,000.00	1	\$125,000.00	\$125,000.00	100%	\$0.00			
127	OV-2	PROVIDE STEEL TROLLEY POLE TYPE 770	LS	15,000.00	1	\$15,000.00	\$15,000.00	100%	\$0.00			
128		42-Inch Diameter RCP Class IV Sewer With Controlled Density Fill	LF	435.00	235	\$102,225.00	\$87,870.00	86%	(\$14,355.00)			
129	SW-OP2	48-Inch Diameter RCP Class IV Sewer With Controlled Density Fill	LF	445.00	260	\$115,700.00	\$115,700.00	100%	\$0.00			
130	SW-OP3	Concrete Manhole For Pipe Size 27" to 48" In Diameter With New Frame And Cover (Per Std. Plan 87,182)	EA	15,000.00	4	\$60,000.00	\$45,000.00	75%	(\$15,000.00)			
131	OV-OP1	PROVIDE SPECIAL TROLLEY POLE FOUNDATION	LS	6,000.00	1	\$6,000.00	\$6,000.00	100%	\$0.00			
132	OV-OP2	REMOVE EXISTING TROLLEY POLE AND FOUNDATION ENTIRELY	LS	3,000.00	1	\$3,000.00	\$3,000.00	100%	\$0.00			
133	ST-OP1	VAULT CLOSURE WALL AT 475 FOURTH STREET	LS	25,000.00	1	\$25,000.00	\$25,000.00	100%	\$0.00			
134	UD-OP1	DEMOLITION OF 475 FOURTH STREET SUBSIDEWALK VAULTS	EA	25,000.00	1	\$25,000.00	\$25,000.00	100%	\$0.00			
135	MF-OP1	FIRE PROTECTION SPRINKLER SYSTEM	LS	50,000.00	1	\$50,000.00	\$50,000.00	100%	\$0.00			
136	WD-OP1	INSTALLATION 8" DIP WITH POLYETHYLENE ENCASEMENT	LF	250.00	50	\$12,500.00	\$0.00	0%	(\$12,500.00)			

TOTAL BASE CONTRACT:	\$9,273,939.0	\$9,103,318.85	(\$170,620.15)	\$49,669.04
TOTAL CONTRACT MODIFICATIONS (No. 01 through No. 20):	\$2,840,841.0	\$2,840,841.00		
TOTAL:	\$12,114,780.0	\$11,944,159.85	(\$170,620.15)	

	Net Bid Item Underage	Additional General Conditions Costs	Total Contract Modification Value
CONTRACT MODIFICATION NO. 21:	(\$170,620.15)	\$49,669.04	(\$120,951.11)

Everey	Project	Management,	Inc

3 3	1/	2010(I)	FEBRUARY 2010	MARCH 2010(3)	APRIL 2010	MAY 2010(S)	JUNE 2010	2010(7)	AUGUST 2010	SEPTEMBER 2010(9)	OCTOBER 2010	NOVEMBER -	DECEMBER 2010 12	JANUARY 2011	FEBRUARY 2011	MARCH 2011	APRIL 2011	MAY 2011 (17)	
ther Wages, Salary, Bonus	-	21,731	43,539	51,006	43,072	50,756	36,116	33,347	53,545	32,005	33,919	36,145	49,504	48,558	53,504	55,114	65,706	66,551	
ayroll Tax Expense Indirect		3,184	6,378	7,472	6,310	7,436	5,291	4,885	7,844	4,689	4,969	5,295	7,252	7,114	7,838	8,074	9,626	9,750	
surance- Workers' Comp		1,456	2,917	3,417	2,886	3,401	2,420	2,234	3,588	2,144	2,273	2,422	3,317	3,253	3,585	3,693	4,402	4,459	
ontract Labor		49,864	42,119	67,996	48,986	35,974	31,531	21,546	12,766	22,582	25,399	27,800	18,576	17,352	29,244	19,661	12,461	12,461	
ther Employee costs		350	320	1,090	66		452	68	404	541	1,158	_ 295		80			1,904	297	
súrance- General Liability		8,293	8,293	8,277	8,277	8,277	8,276	8,276	8,702	8,277	8,277	8,277	8,277	8,277	8,277	11,833	10,875	10,875	
rinting & Reproduction		3,880	2,063	5,995		2,216	404	89	1,714	100	489	3,960			65	399			
nop Supplies/Small tools		16,096	19,751	28,199	21,090	24,406	25,546	24,903+	14,842	12,736	14,979	10,371	5,442	10,428	24,434	20,211	27,506	24,832	
nop Telephone		1,766	1,982	1,355	1,730	1,724	1,764	1,685	1,623	1,138	1,218	1,855	2,370	1,529	1,569	1,315	1,500	1,500	
nop Utilities		1,610	1,610	3,139	2,430	3,892	2,859	5,614	3,503	3,714	1,545	3,598	3,747	3,490	3,988	2,955	3,000	3,000	
op Rent		3,690	3,902	3,945	5,324	4,309	7,200	7,117	6,308	6,309	6,309	6,329	6,329	9,158	5,500	5,595	5,500	5,500	
op Equipment- depreciation		3,633	3,633	3,633	3,633	3,633	3,633	3,633	3,633	3,633	3,633	3,633	3,633	3,633	3,633	3,633	3,633	3,633	
p & Maint- Building, insurance			241004	3,955		***	4,250		1,196	1,000		3,000	19,589	5,000		1009	400		
nicle Cost - Toll,tow,prk,			233	1,094	124	993	483	233	311	413	464	386	431	2,825	54	61	60		
hicle cost - registration		1,058	(13)	8,646		. 33	8,968	7,013	3,794		6,017	1,090	8,749	3,124			1,763	1,712	7
hicle Cost - Insurance		4,429	4,429	4,079	3,817	3,817	3,817	3,816	3,817	3,817	3,817	3,817	3,817	3,817	3,817	. 4,313	4,313	4,313	
hicle Cost - Depreciation		3,205	3,206	3,206	3,206	3,206	3,205	3,855	3,855	3,855	3,832	3,832	3,832	3,832	3,832	3,832	3,832	3,832	
categorized		3,433	2,214	7.0	264.74	15,434	3.4	2,4-2-5		265.00			4,000	1,000		47.5	0.00		
als/Travel				185	518	286	76	85	228	39	193	90							
rairs & Mtc		13,193	6,973	15,326	19,630	23,147	10,349	17,492	8,865	21,857	25,396	11,120	4,132	24,124	12,773	4,090	17,195	10,000	
& Oil @ 20% of actual		3,625	3,183	4,473	4,304	5,024	4,007	3,109	2,983	2,048	2,130	2,246	2,568	2,326	3,478	5,267	5,385	5,499	
ries & Wages-Officer		4,000	8,000	9,600	8,000	10,000	8,000	8,000	10,000	8,000	8,000	10,000	10,000	8,000	8,000	8,000	8,000	8,000	A
aries & Wages-Other		2,190	3,200	4,000	3,200	4,000	3,200	3,200	3,750	3,200	3,200	4,000	4,000	3,613	4,000	3,900	4,000	4,000	
roll Tax Expense- G & A		907	1,641	1,992	1,641	2,051	1,641	1,641	2,014	1,641	1,641	2,051	2,051	1,701	1,758	1,743	1,758	1,758	
rance- Health & Dental G&A		1,883	1,0-11	3,766	3,099	480	3,228	4,074	2,618	1,319	3,296	2,254	-,	3,650	5,424	3,507	8,869	6,188	
rrance- Gen Liability G&A		570	662	425	425	425	425	425	425	425	425	425	425	425	425	318	318	318	
ining		370	UUA	423	423	423	423	443	123	423		12.3	1,475	1,826		308		100	
ning s and Subscriptions		296	1,020	2,638	30	30	30	412	30	233	591 -	234	386	491	382	236	4	250	
tage & Delivery		18	1,020	115	72	95	67	***	30	84	46	16	51	30	17	43	50	50	
		1,187	1,761	1,265	1,345	1,308	1,058	1,756	495	2,527	1,048	892	4,681	2,270	1,045	1,855	1,274	1,500	
ce Supplies		1,006	558	487	535	531	540	443	242	428	423	1,094	. 390		2,043	2,000	32.7	200.00	
e Equipment				2,461	879		1,820	1,832	1,149	1,577	1,164	1,520	684	1,047	947	1,016	1,000	1,000	
e Telephone e Utilities		965 1,756	778 664	1,116	0/9	1,328 815	95	207	204	4,311	2,204	1,520	004	213	241	(550)	2,000	-,000	
			9,059	9,059	0.050	9,059	9,059	9,059	9,059	9,059	9,059	9,059	9,059	14,031	14,031	11,572	11,572	11,572	
e Rent		9,059	3,059	3,023	9,059	9,059	3,059	300	227	1,530	5,033	953	3,033	3,394	150	22/2/2	/	20/2/2	
& Maint- Office Equipment		2,246						300	LLI	1,550	4,789	431		3,394	1,399	405	*	1,650	
nses & Permits					A-						4,769	431	2 500	41	1,000	400	7.	1,030	
side Services					30		227			202			2,500						
ing/Reproduction		2002		20.074	4,031	10 715	323	4.442	2,081	4,998	5,275	6,310	22,763	15,630	15,076	31,462	8,329	5,138	
1 & Accounting		3,963	6,551	30,071		19,715	7,395	4,443	2,001	700	1,345	185			130	100	0,223	3,230	
ness Promotion			21 .	635	100	453	174	442	474	204	251	371	2,428	537 64	65	40	7,557	100	
k Fees		56	18	633	92	153	2,525	113	171	1,833	251		111		103	(611)	(par	200	
& Maint-Vehicle G&A		720		475	729			51	564	1,833		180	500	106	103	(011)			8 1
cle Registration & License-G&A		200	-	200	1.000	1012	18	219	24		9 477	713	298	40	889	821	1,000	1,000	
& Oil - G&A		901	978	1,231	1,368	1,042	1,386	758	595	1,718	1,173	1,211	1,557	1,134	400	400	400	400	
cle Insurance-G&A		651	651	651	651	702	687	616	400	400	. 400	400	400 .	483					
cle Lease Expense-G&A		1,918	1,918	1,918	3,886	1,971	2,546	2,525	2,340	3,592	1,918	1,918	1,918	1,918	1,918	1,918	1,918	1,918	
ing, citations, tolls-G&A		- 22	21.5	2,020				Page 19	223	445	267	344	186	767	3,658	1,008	100		
rel/Lodging		85	220	1,231	95	477	w12.42	505	388	167		200				ron	168		
s .) ?		35		261	58	516	946	-579	588	1,057	6.52	750	122	Laur	2 222	. 599	* 000	4.000	2,6001
tainment		461	148	2,439	441	9	65		260	1,001	1,433	2,676	4,523	2,308	1,020	5,361	1,000	1,000	216
ce Charges/Loan interest		3,972	3,315	3,457	4,938	5,968	4,123	4,010	. 5,134	4,315	2,763	1,648	1,536	718	591	666	579	431	1-1,7001
ees /				116		1,037				147,989	62,719			4,028		358	246		71
2					100						560			1 -		-0.224	1,283		960
ributions															2	1,000	50	50	9 50
eciation- G&A		498	498	824	498	715	498	606	498	498	482	482	482	512	708	708	708	708	1 7733
																1240	420.25	400000	1.00
		180,417	196,318	306,720	220,506	260,390	210,506	190,846	186,776	329,599	258,283	185,678	223,967	225,856	227,726	226,228	239,139	215,344	and I
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otal	\$	514,551 \$	1,407,872 \$	1,565,508 \$	1,721,726 \$	1,231,724 \$	1,312,752 \$	1,083,437 \$	775,093 \$	1,301,629 \$	524,401 \$	702,226 \$	428,727 \$	592,121	\$2,699,830 \$	1,697,075 \$	1,634,206 \$	2,600,000	
	-	-								/	442,35			. ,	7		504,501	- "	35,049
	5 V	313,150 -\$	625,647	883,148	1,324,666 \$	1,231,913	980,478	1,062,242	692,013	967,444	507,739 \$	702,225 \$	419,708 \$	221,056	233,853 18	271,416	505,595 \$	1,700,000	1
Sales	S	- \$	- 5	- \$	- 5	- 5	\$	- \$	· - S	\$. \$	67,115		20,400	87,670 \$	115,885	15,000		
	Ψ.	313,150 \$	625,647 \$	883,148 \$	1,324,666 \$	1,231,913 \$	980,478 \$	1,062,242 \$	692,013 \$	967,444 \$	507,739 \$	635,111	418,208 \$	200,656 \$	146,183 \$	155,531 \$	(490,595)\$	1,709,000	35,049
optional work:	¢	272,120 \$	U23,U47 3	003,140 \$	1274,000. 3	alenalara A.	200/410 \$	Alanalada A	552,023 3	40.10	23/1/23	Y .	120,000 9	200,000 4	- 100000 4				1
ptional work:	\$					40004	75%	98%	89%	74%	97%	90%	98%	34%	5%	9%	(30%)	55% V	201
optional work: 1250 Sales less optional	\$	6194	44%	56%	77%	1111155					4			M. 1 . A					
Sales optional work: 1250 Sales less optional sercent of sales	\$	61%	44% -	56%	77%	100%	1370	3070	2510			_						- 2	1/0
optional work: 1250 Sales less optional ercent of sales	\$													76.880 ¢	-12 330 \$				1/0
ptional work: .250 Sales less optional ercent of sales	\$	61%	87,242 \$	173,030 \$	169,654 \$-	260,430 \$	157,225 \$	187,112 \$	166,756 \$	244,976 \$	250,076	167,932	218,473 \$	76,880 \$	12,330 \$	20,733 \$	71,790 \$	140,802	170
ptional work: .250 Sales less optional	\$													76,880 \$	12,330 \$				(10

rergy Project Management, Inc.

4																April/May includes estim	ales
2 2	JANUARY	FEBRUARY"	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	- FEBRUARY	MARCH	APRIL	MAY
	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2011	2011	2011	2011	2011
Sales Breakdown:								Ψ.									
Closed jobs adjustments/write-offs	(17,135)		(21,862)		(6,765)	(1,103)			91,353				62,754				- PENDING
McAlister 1325J		250,704	421,177			159,848							59,251				
Mountain View	1		3,781														
Valencia/Ghilotti			30,000	30,000	(19,086)		56,195									10	
SFIA 8517		20,680			300												
Divisidero 1063j	218,536	510,841	249,264	205,126	25,363	173,529	(35,000)		77,788								
JOC 1244																162,172	
SFMTA 1251													110,876	2,346,381	1,191,457	777,543	
SFMTA 1250	313,150	625,647	883,148	1,324,666	1,231,913	- 980,478	1,062,242	692,013	1,072,488	507,739	702,226	419,708	221,056	233,853	371,416	505,595	
JOC Recreation Park				160,934				83,080		16,662		9,019	138,183	119,596	134,199	188,896	
A&B Market							- 1		60,000								
	514,551	1,407,873	1,565,508	1,721,727	1,231,725	1,312,752	1,083,437	775,093	1,301,629	524,401	702,226	428,727	592,121	2,699,830	1,697,072	1,634,206	-

\$ 2,515,239	JANUARY 2010 THROUG HMAY 2011	TOTAL OVERHEAD TO 12:
		· ·
\$ 11,278,309	D AMOUNT AS OF MAY 2011 (PP# 17)	TOTAL GROSS EARN
22.30%	Percent of Overhead	

,278,309



TREND NUMBERS 52, 65 AND 70

SFMTA Contract No. 1251

Contractor:

Synergy Project Management Inc.

UNION SQUARE/MARKET STREET STATION

30 Grant Street, Suite 300 San Francisco, CA 94108

UTILITIES RELOCATION

SUPPLEMENTAL CHANGE ANALYSIS (FOR CMB APPROVAL)

SCOPE OF WORK:

Trend 52: Reroute unforeseen existing waterline on discovered along Geary Street (east of Stockton Street).

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 as required for the completion of fire service water cutover work.

REASON FOR CHANGE:

Trend 52: An unforeseen existing waterline was found to be in conflict with PG&E vault 573 and needed to be rerouted per City's response to RFI #182.

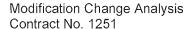
Trend 65: An existing Muni pole foundation is in the way of the AWSS lateral. Additional fittings are required to complete Contract work.

Trend 70: Existing fire service inside the building is a thin-wall steel pipe that extends out to the previously existing sub-sidewalk basement. The 1251 Contractor had backfilled the subsidewalk basement per contract, which now made the steel pipe susceptible to corrosion. The SFWD Inspector state that it was not acceptable to tie-in to the steel pipe due to corrosion issue plus the fact that the pipe is thin walled, which makes welding difficult. A suitable ductile iron pipe needed to be installed from the main into the building.

COST SUMMARY TABLE:

Trend Number:	Description of Additional Work Performed:	Contractor's Cost Proposal	Forecasted NTE Cost:	Trended Amount
52	Reroute unforeseen existing waterline on Geary east of Stockton	\$39,167.37	\$28,852.82	\$45,000.00
65	Additional fittings for AVVSS lateral and chipping of pole foundation at Market/Ellis	\$43,855.89	\$21,779.12	\$20,000.00
70	Core drill primary wall and install interior plumbing at Armani and Disney for the fire service water cutover	\$14,033.67	\$14,033.67	\$20,959.35
	TOTAL	\$97,056.93	\$64,665.61	\$85,959.35







COST ANALYSIS:

Each of the 18 FARs submitted by the Contractor was thoroughly reviewed by the SFMTA Resident Engineer. After this comprehensive review it was determined that the final value of these FARs will not exceed the \$64,665.61 total shown in the Cost Summary Table. Note that these final negotiations have not yet taken place therefore the 'Forecast NTE Cost' should not be considered a final agreed cost but rather a ceiling for future negotiations.

Approval of the NTE cost contained herein will allow the Resident Engineer to conduct final negotiations with the Contractor which in turn will facilitate the compilation and execution of a Contract Modification.

SCHEDULE ANALYSIS:

This work does not impact the Substantial Completion Date. There is no time adjustment associated with this Contract Modification.

SUMMARY TABLE FOR TRENDS 52, 65 AND 70

Differing Conditions Encoutered During the Installation of SFWD Related Infrastructure SFMTA Central Subway Contract Number 1251 - Union Square/Market Street Station Utilities Relocation

Item #	Index #	FA#	Description	Synergy Requested Amount	SFMTA Current Approved Amount	Forecasted Final Amount
1	2.1.1	2321	Removal of 4" and 12" abandoned water line alonge Stockton and Maiden Lane	\$8,973.14	\$3,446.46	\$3,446.46
2	2.1.2	2373	SE corner Geary & Stockton - Demo & remove abandoned water valve & fittings not shown on contract documents.	\$1,861.07	\$1,463.21	\$1,463.21
3	2.1.3	3212	Vertical offset for new waterline over existing PG&E vault 467. (Stockton between Maiden Lane and Geary)	\$5,790.30		\$5,295.95
4	2.1.4	3230	Stockton/Geary - installation of LPWM (8") per direction of SFMTA.	\$6,704.81	\$5,374.15	\$5,374.15
5	2.1.5	3234	150 Stockton (north side) - installation of LPWM (8") per direction of SFMTA.	\$8,237.99	\$6,220.68	\$6,220.68
6	2.1.7	3237	Install new water line at north side of 150 Stockton	\$7,600.06	\$7,052.37	\$7,052.37
			Trend No. 52 Subtotal	\$39,167.37	\$28,852.82	\$28,852.82
7	2.2.2	3296	Chip light pole base at corner of Market & Ellis for AWSS.	\$1,780.64	\$792.15	\$1,461.86
8	2.2.3	3306	Dig for changes on AWSS at the corner of Stockton and Ellis. Hydrant run.	\$5,932.66	\$3,484.97	\$3,484.97
9	2.2.4	3307	Dig/chip existing concrete structure for changes in AWSS hydrant run on Ellis and Market	\$5,471.88	\$3,306.18	\$3,306.18
10	2.2.5	3334	Demo of Bart pole foundation on the corenr of Ellis and Stockton. Foundation is not shown on drawings to be removed. In conflict with new water hydrant	\$5,029.45	\$3,787.58	\$3,787.58
11	2.2.6	3341	AWSS corner of Market/Stockton due to changes in AWSS hydrant configuration	\$8,299.37	\$2,858.13	\$2,858.13
12	2.2.8	3359	Installation of AWSS waterline on Ellis & Market. Change in AWSS design due to light pole conflicts.	\$5,036.89	\$473.94	\$473.94
13	2.2.9	3361	Install AWSS hydrant on Market/Ellis. Change in AWSS due to light base.	\$4,793.13	\$1,093.82	\$1,093.82
14	2.2.10	3363	Chip on newly installed PGE conduit damaged by SFWD while they installed water connection tie in on Geary West (NE Corner).	\$4,256.82	\$3,033.27	\$3,033.27
15	2.2.11	3395	Fix AWSS leak @ point of connection on Ellis St. Installation of AWSS line was different than shown on plans.	\$3,255.05	\$2,279.37	\$2,279.37
			Trend No. 65 Subtotal	\$43,855.89	\$21,109.41	\$21,779.12
16	2.3.1	WPR #1	Works plumbing waterline installation work at The Disney Store (Estimate #80)	\$8,587.96	\$8,587.96	\$8,587.96
17	2.3.2	WPR #2	Works plumbing waterline installation work at The Disney Store (Estimate #80)	\$4,586.05	\$4,586.05	\$4,586.05
18	2.3.3	JJA	SFMTA estimate for coring work subcontracted to JJA	\$859.66	\$859.66	\$859.66
			Trend No. 70 Subtotal	\$14,033.67	\$14,033.67	\$14,033.67

	Synergy Request Amount	SFMTA Current Approved Amount	Forecasted Final Amount
Trend Numer 52 Subtotal	\$39,167.37	\$28,852.82	\$28,852.82
Trend Numer 65 Subtotal	\$43,855.89	\$21,109.41	\$21,779.12
Trend Numer 70 Subtotal	\$14,033.67	\$14,033.67	\$14,033.67
TOTAL CONTRACT MODIFCATION VALUE	\$97,056.93	\$63,995.90	\$64,665.61



SFMTA Contract No. 1252

Contractor:

Barnard Impregilo Healy JV (BIH)

EVALUATION OF MERIT

COR 001

Recommendation: Accept justification of Merit for COR 001. The contract documents do not accurately depict the correct location of a water line which impacted the planned means and method of performing contract work associated with AWSS removal and relocation. Additional effort (labor and time) was required to accomplish the contract work.

Facts: An existing low pressure 12" Water line which runs west to east at the intersection of Fourth St. and Harrison St. is shown on contract drawing UT-501, Rev. 0 to be approximately 3' north of an existing 12" AWSS "T" fitting. During the excavation required for the contract AWSS removal and relocation work BIH's subcontractor, Synergy Project Management (Synergy or SPM), discovered that the existing water line was actually further south than was indicated in the drawings which positioned it almost directly above the AWSS "T" fitting or point of connection. Furthermore, because the water line was farther south than was expected it was placed in close proximity to an existing electrical duct bank.

Rationale for COR: SPM's original means and methods relied on excavating a tunnel from both sides of the existing duct bank to access the AWSS "T." Due to the close proximity of the existing water line to the duct bank, excavation could only be performed from one side thus increasing the amount of time spent on excavating around the AWSS fittings. Also because the water line was located closely above the existing AWSS point of connection additional time was spent removing the existing AWSS fittings and installing the new AWSS fittings required for the work.

Justification: BIH justification for the COR is that the actual location of the water line impacted the original means and methods making it more difficult to perform the AWSS contract work; "Synergy's crew spent additional time excavating material surrounding the AWSS "T" fitting because their originally assumed means and methods couldn't be implemented. Synergy's crew also spent additional time removing existing AWSS fittings and installing and restraining new AWSS fittings."

Note: this COR also relates to a time impact analysis which has been received under cover of COR 008.

By:

Sarah Wilson

Resident Engineer

Configuration Management Board

10/10/12

Date

Approval



BARNARD IMPREGILO HEALY JOINT VENTURE

420 Fourth Street San Francisco, CA 94107, PH (415) 546-0799, FX (415) 546-3822

PRELIMINARY CHANGE ORDER REQUEST FORM

Third Street Lightrail Program Phase 2 - Central Subway Project CONTRACT 1252

9/5/2012

COR 1: AWSS Conflict with Low Pressure Water at Harrison

DIRECT COST IMPACTS:

COR #001 submitted on 8/13/2012 had a total direct cost impact equal to \$16,906.56. See the COR package for details of all direct costs.

TIME IMPACTS:

Time impacts pertaining to this COR are captured in the COR #008 package (TIA Summary for COR's 001, 002 and 003.

WHAT (DESCRIPTION OF COR):

SPM spent an additional 3 days to install the AWSS line in the Harrison intersection due to conflicts with the low pressure water line at the Tee on Harrison. This existing 12" water line was not shown in this location on the base contract drawings but over 4 feet to the South. As a result of this differing condition, Synergy spent an additional 2 days to excavate, demo, and tunnel to get to the point of connection and 1 additional day to install the pipe and make the connection beyond what it would have had to spend had this unknown conflict not occurred. Furthermore, this differing condition caused Synergy to have to excavate under x2 existing duct banks around 8-10 feet with 100% of the excavation from one side by hand due to the existing water line conflict. Had the line not been in conflict with the excavation, SPM could have excavated 50% of the tunnelling work from the North side of the duct bank and 50% from the South side with a excavator instead of by hand, greatly increasing SPM's production. As a result of these conflicts, SPM wrote RFI's about the conflict as it is required to do in the specifications, notifying and requesting information about how to proceed. Furthermore, in a effort to mitigate any time delay, Synergy shifted its crews to work on the Sewer line while approval to proceed with the work was given by the designer. However, having Synergy's workers have excavate, demo, and install this work under this unforeseen pipe making the Plumbers and Labors have to crawl on there belly's to get to the work to install the bolts, rods, and pipe would not have been required had this differing condition not occurred.

WHY (REASON FOR COR):

This change in our Means and Ways of doing the work caused SPM to spend an additional 3 day to do the work and is quantified in this COR. The line encountered was not as shown on the contract drawings at time of bid and constitutes a differing and unforeseen site condition.

WHERE (LOCATION/STATION):

4th & Harrison

WHEN (OCCURRENCE DATE, ACTION DATE):

This occurred during multiple days throughout the middle of April 2012

HOW (RECOMMENDATION OF ACTION):

Work proceeded as described in the "What (description of COR)" above. SPM wrote RFIs in regards to this conflict and proceeded to do the work while shifting crews to work on the 42" sewer line nearby in order to mitigate any time delays. FA tag #4063 has been included in this COR per a meeting with inspector Bill Hawk on 6/22/12.

SPEC REF:

33 11 20

APPLICABLE DRAWINGS:

UT-501, AW-501.12

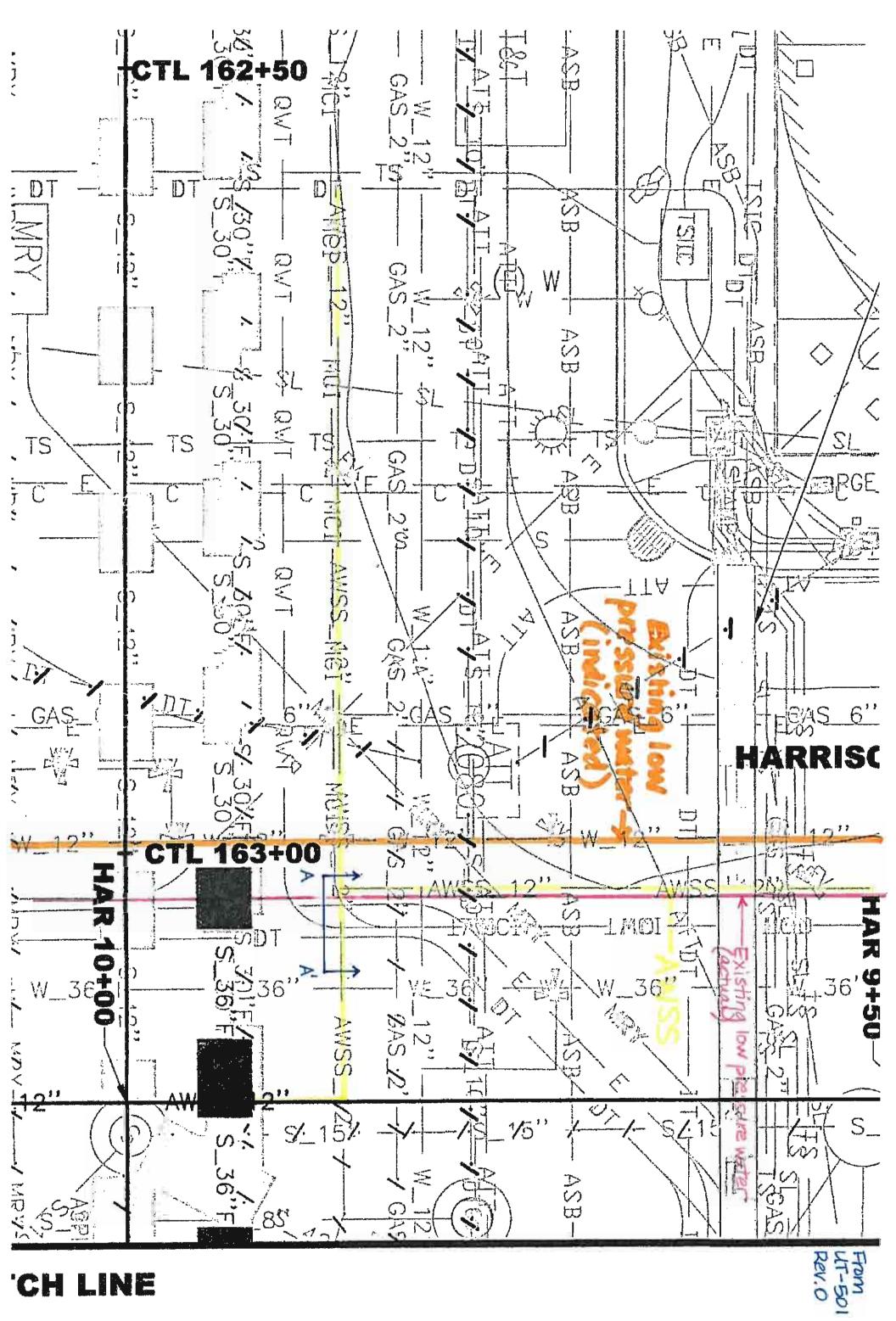
PREPARED BY:

Contractor's Représentative (Name, Title)

Date

9/5/12

Page 1 of 1



Client: SFMTA Hill Project Number: PNN-01219.01

CN 1252 - Tunnel

Change Order Request No. 001 Engineer's Estimate



Change Order Request - 001 10/9/2012

		Registration of the second	, hall t	COF	₹ (001			4.7
	No.	Activity Name	Days (C)	Days (EE)		Contractor (C)	Engineer's Estimate (EE)	[Delta (EE-C)
Г	1	Excavate and tunnel by hand	1	1	\$	3,059.00	\$ 1,664.99	\$	(1,394.01)
	2	4/11/12 Chip Thrust Post	0.25	0.25	\$	765.00	\$ 655.77	\$	(109.23)
	3	Demo AWSS	1	0.25	\$	3,059.00	\$ 655.77	' \$	(2,403.23)
	4	Install new AWSS	1	0.25	\$	3,059.00	\$ 655.77	\$	(2,403.23)
	5	Activity Name	0	0	\$		\$ -	\$	
ļ	6	Activity Name	0	0	\$	-	\$ -	\$	-
Labor	7	Activity Name	0	0	\$		\$ -	\$	-
	8	Activity Name	0	0	\$		\$ -	\$	-
	9	Activity Name	0	0	\$		\$ -	\$	-
	10	Activity Name	0	0	\$	-	\$ -	\$	-
	11	Activity Name	0	0	\$		\$ -	\$	
	12	Activity Name	0	0	\$	11	\$ -	\$	-
	1	Excavate and tunnel by hand	1	1	\$	2,820.00	\$ 2,651.84	\$	(168.16)
	2	4/11/12 Chip Thrust Post	0.25	0.25	\$	701.00	\$ 734.20	_	33.20
	3	Demo AWSS	1	0.25	\$	2,820.00	\$ 662.96		(2,157.04)
	4	Install new AWSS	1 1	0.25	\$	2,820.00	\$ 662.96	-	(2,157.04)
ب ا	5	Activity Name	0	0.23	\$	2,020.00	\$ -	\$	
Equipment	6	Activity Name	0	0	\$		\$ -	\$	
ipn	7	Activity Name	0	0	\$		\$ -	\$	
Equ	8	Activity Name	0	0	\$		\$ -	\$	
	9	Activity Name	0	0	\$		\$ -	\$	_
	10	Activity Name	0	0	\$		\$ -	\$	
	11	Activity Name	0	0	\$		\$ -	\$	-
	l .	Activity Name	0	0	\$		\$ -	\$	-
1								Ė	
		Material			\$		\$ -	+	
		Markup LM&E - 15%		==	\$	2,865.45	\$ 1,251.64	<u> </u>	
		2nd Tier Subs			\$	-	-	\perp	
		Markup - 5%			\$	-	\$	\perp	
		Sub. Bond/Insurance 2.14%			\$	470.12	\$ 205.35	_	
		Prime Markup - 5%			\$	1,121.93	\$ 490.06	_	
		Prime Bond/Insurance 1.68%			\$	395.82	\$ 172.89		
		Total			\$	23,956.32	\$ 10,464.20	\$	(13,492.12)

Summary of Differences:

- Durations are different for 3 of 4 activities.
- Additional duration needed for working in a confined space is shown as 2hrs each for the demolition and installation of the AWSS in question. This is based on the opinion that an additional day will not be need strictly for working in a confined space. Claiming that the workers production will be half of what if would typically be under as bid conditions would need more back up.
- -1 CMS removed as two are not need for an intersection. Typical traffic control being used at an intersection for engineer's estimate can be seen on the detailed estimate.

Clienti SFMTA

Hill Project Number: PNN-01219.01

CN 1252 - Tunnel

Change Order Request No. 001

Engineer's Estimate



	Hourly rates:		/5	35.5	75%	25 / 2 25 / 2	20/2	20/2	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\$	15	352/5	33/3	20/20	San	37.9/2	37/2	320/5	18/5	0 /0	200/2	3/	
o. 7	Activity	Days	Laborer (G1)*	Operating Engineer (OE) (G3)*	Plumber Utility Pipe Fitter	Labor Resource	Labor Resource	Labor Resource	Labor Resource	Labor totals	Work Truck	Work Truck	Air compressor, hoses & hammer total	Dump truck - 3-axle	Mini Excavator (Kubota U45)	Changeable Message Boards	Arrow Board		Interlocking Water Filled Triton Barrier		Total per trench shore	Equi	pment Totals
_	Excavate and tunnel by hand	1	3	0.66	0			W.		\$ 1,664.99	1	1		1	1	1	2	2	12	4	8	\$	2,651.8
-	4/11/12 Chip Thrust Post	0.25	3	1	1					\$ 655.77	1	1	1	1	1	1	2	2	12	4	8	\$	734.
	Demo AWSS	0.25	3	1	1	- 1	-			\$ 655.77	1	1		1	1	1	2	2	12	4	8	\$	662.
4 1	Install new AWSS	0.25	3	1	1					\$ 655.77	. 1	1		_1_	1	1	2	2	12	4	8	\$	662.
5 /	Activity Name				-		-							4	777								
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.3	Total									\$ 3,632.29												\$	4,711.
	Labor	\$	3,0	632.29				Assum	ptions	:													
	Material	\$																					
	Equipment		4,	711.96				-Addit	ional d	ne day provided for unexp	ected h	nand ex	kcavatio	n of app	oroxima	ately 5.	4 bcy at	t a prod	luction	rate of '	~6 bcy/	day	
	2nd Tier Sub			-																			
	Markup on 2nd Tier Sub - 5%			-				-Addit	ional t	wo hours provided for the	demo a	and ins	tall each	of the	AWSS f	for wor	king in a	a confir	ned spa	ce			
	1st Tier Sub OH&P - 15%			251.64				China	.:	*b = *b ==== == == == == == == == = = =			hla 46	:.	1!	- :- 00	0 001 k			-:			
_	1st Tier Sub Bond/Insurance - 2.14%			205.3 5				-Cnipp	oing of	the thrust post may have	been to	reseea	bie there	erore in	nciusioi	n in CO	K OOT II	as yet t	o be de	ciaea			
	Prime - Markup - 5%			490.06																			
	Prime - Bond/Insurance - 1.68%			172.89																			
	Total Amount	\$	10,	464.20							,						,						
								Shift Du	ration:	8hrs													
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	Estimated By. 1/ (2	- 1								Checked By:	2 NO	1/ 1		2011	hom	SL							

Client: SFMTA
Hill Project Number: PNN-01219.01
CN 1252 - Tunnel
Change Order Request No. 001
Engineer's Estimate



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Client: SFMTA

Hill Project Number: PNN-01219.01

CN 1252 - Tunnel

Change Order Request No. 001

Engineer's Estimate



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			Social Security	Medicare		FUTA		SUTA		SF Pay	WC	Vacation/Holiday	C	Other Fringes		
			6.20%	1.45%		0.60%		6.20%		1.50%	12.00%				Full	ly Burdened
Labor Resource													ļ.			
Carpenter	\$	38.50	\$ 2.64	\$ 0.62	\$	0.26	\$	2.64	\$	0.64	\$ 5.11	\$ 4.05	\$	21.77	\$	76.21
Cement Mason	\$	28.65	\$ 2.09	\$ 0.49	\$	0.20	\$	2.09	\$	0.51	\$ 4.05	\$ 5.14	\$	16.82	\$	60.05
Electrician (Inside Wireman)	\$	54.87	\$ 3.72	\$ 0.87	\$	0.36	\$	3.72	\$	0.90	\$ 7.20	\$ 1.64	\$	23.95	\$	97.23
Flag Person	\$	26.89	\$ 1.82	\$ 0.43	\$	0.18	\$	1.82	\$	0.44	\$ 3.52	\$ 2.48	\$	14.62	\$	52.20
Iron Worker	\$	33.00	\$ 2.29	\$ 0.54	\$	0.22	\$	2.29	\$	0.55	\$ 4.43	\$ 3.92	\$	21.37	\$	68.60
Laborer (G1)*	\$	26.89	\$ 1.82	\$ 0.43	\$	0.18	\$	1.82	\$	0.44	\$ 3.52	\$ 2.48	\$	15.96	\$	53.54
Laborer (G2)	\$	26.99	\$ 1.83	\$ 0.43	\$	0.18	\$	1.83	\$	0.44	\$ 3.54	\$ 2.48	\$	15.96	\$	53.67
Operating Engineer (OE) (G2)	\$	36.24	\$ 2.48	\$ 0.58	\$	0.24	\$	2.48	\$	0.60	\$ 4.79	\$ 3.70	\$	22.77	\$	73.87
Operating Engineer (OE) (G3)*	\$	34.76	\$ 2.38	\$ 0.56	\$	0.23	\$	2.38	\$	0.58	\$ 4.62	\$ 3.70	\$	22.77	\$	71.98
Pile Driver (PD) (G2)	\$	37.17	\$ 2.53	\$ 0.59	\$	0.25	\$	2.53	\$	0.61	\$ 4.90	\$ 3.70	\$	22.77	\$	75.06
Plumber Utility Pipe Fitter	\$	51.00	\$ 3.18	\$ 0.74	\$	0.31	\$	3.18	\$	0.77	\$ 6.16	\$ 0.30	\$	29.65	\$	95.29
Teamster	\$	27.43	\$ 1.83	\$ 0.43	\$	0.18	\$	1.83	\$	0.44	\$ 3.55	\$ 2.15	\$	20.42	\$	58.27
Traffic Control Person I	\$	27.19	\$ 1.84	\$ 0.43	\$	0.18	\$	1.84	\$	0.45	\$ 3.56	\$ 2.48	\$	14.62	\$	52.58
Traffic Control Person II	\$	24.69	\$ 1.68		\top	0.16		1.68		0.41	\$ 3.26		\$	14.62		49.38
Scaffold / Shoring Erector	\$	38.65			\$	0.26		2.65		0.64	\$ 5.12			21.77		76.40
Elevator Mechanic/Constructor	\$	57.29	\$ 3.77	\$ 0.88	\$	0.36	\$	3.77	\$	0.91	\$ 7.29	\$ 3.44	\$	23.84	\$	101.54
Elevator Mechanic Helper	\$	40.10	\$ 2.70	\$ 0.63	\$	0.26	\$	2.70	\$	0.65	\$ 5.22	\$ 3.44	\$	23.84	\$	79.54
Asbestos Removal Specialist II	\$	24.87	\$ 1.67	\$ 0.39	\$	0.16	\$	1.67	\$	0.40	\$ 3.23	\$ 2.02	\$	10.53	\$	44.94
Lead Removal Worker	\$	36.25	\$ 2.36	\$ 0.55	\$	0.23	\$	2.36	\$	0.57	\$ 4.57	\$ 1.85	\$	6.09	\$	54.84

Client: SFMTA Hill Project Number: PNN-01219.01 CN 1252 - Tunnel Change Order Request No. 001

Engineer's Estimate



Equipmen	t	Caltrans Page No	CalTrans Category Sub-Category Rental Quote/ Code	Но	ourly Rate	Delay Factor	Sta	ndby Rate
Equipmen	t			\$	_			
1 Work Tr	uck	34	TRUCK	\$	33.12	0.14	\$	4.64
2 Dump tr	uck - 3-axle	34	TRUON	\$	66.43	0.16	\$	10.63
3 Tow Bel	nind Trailer	33	TRAIT	\$	5.72	0.42	\$	2.40
4 End Dur	np - 5-axle	34	TRUON	\$	83.50	0.16	\$	13.36
5 Generat	or	6	ELGEN	\$	14.18	0.11	\$	1.56
6 Air Com	oressor	1	AIRCP	\$	34.31	0.12	\$	4.12
60-90 Lt	o. Jack-hammer	1	AIRTOL	\$	1.31	0.61	\$	0.80
Air com	pressor, hoses & hammer total			\$	35.62		\$	4.92
7 Arc Weld	der	34	WELD	\$	11.87	0.18	\$	2.14
Welding	Rods	N/A	N/A	\$	5.34		\$	
F250		34	TRUCK	\$	33.12	0.14	\$	4.64
1	and Truck			\$	50.33		\$	6.77
8 Torches	and Tanks	34	WELD	\$	0.24	0.18	\$	0.04
	Tank and Acetylene Tank		N/A	\$	38.70		\$	_
'-	orches and Tanks			\$	38.94		\$	0.04
9 Rotohan	nmer		ELTOL	\$	0.44	0.61	•	0.27
Generate			ELGEN	\$	14.18	0.11		1.56
	mmer and Generator			\$	14.62	0.11	\$	1.83
		1	AIRTOL			0.61	-	_
10 Rivet Bu			AIRTOL	\$	1.31			0.80
Air Comp				\$	34.31	0.12	\$	4.12 4.92
	uster and Air Compressor		COMUC	\$	35.62	0.40	-	
	or, Hand Guided		COMHG	\$	8.82	0.18		1.59
12 Bobcat 7			TRACS	\$	25.35	0.11		2.79
13 Backhoe	(John Deere ID 310G)		LDDRT	\$	62.87	0.12	\$	7.54
	ell Bucket	1	N/A	\$	9.29	0.12		1,11
Backho	e w/ Clam Shell total			\$	72.16		\$	8.66

Client: SFMTA Hill Project Number: PNN-01219.01 CN 1252 - Tunnel Change Order Request No. 001 Engineer's Estimate



14 Breaker attachment for Backhoe	7 HAMMR	\$ 42.26	0.23 \$	9.72
15 Mini Excavator (Kubota U45)	N/A N/A	\$ 63.79	0.18 \$	11.48
16 Excavator (Hitachi 200)	N/A N/A	\$ 142.51	0.18 \$	25.65
17 New Holland Excavator (E135)	N/A N/A	\$ 120.13	0.18 \$	21.62
18 Ride-on Sweeper	4 BRMSW	\$ 145.11	0.14 \$	20.32
19 Bituminous Distributor	4 BITDT	\$ 6.52	0.14 \$	0.91
Work truck	33 TRUCK	\$ 33.12	0.14 \$	4.64
Bituminous Distributor with truck		\$ 39.64	\$	5.55
20 Fork Lift Truck	6 FKLFT	\$ 27.14	0.20 \$	5.43
21 Concrete Saw	28 SAWCO	\$ 19.63	0.14 \$	2.75
Saw blade 12" x \$18 per hour (100 LF)	28 SAWCO	\$ 216.00	0.14 \$	30.24
Concrete Saw and Blade		\$ 235.63	\$	32.99
22 Water Pump	22 PUMWA	\$ 22.61	0.35 \$	7.91
23 Confined Space Equipment				
Gas Detector 4-Gas w/ Motorized Integral Pump		\$22.79		
Blower Portable w/ 8"x15' Hose		\$8.82		
Retrieval 65' Winch for Tripod SCBA-NFPA Approved 2216 PSI Complete		\$11.53		
alrpeck		\$9.03		
Total Confined Space Traffic Control (per street, intersection = x2		\$52.15		
24 streets)				_
Construction Signs	32 TRAFC	\$7.29		
Changeable Message Boards	32 TRAFA	\$9.92		
Arrow Board	32 TRAFA	\$3.20		
No Parking Signs (A-frames)	32 TRAFC	\$0.22		
Cones (per 100)	32 TRAFC	\$13.27		
25 Interlocking Water Filled Triton Barrier	N/A N/A	\$4.07		
\$30 per day /8 plus tax				
26 Traffic Plates Installed				
Total per Plate (small)	N/A N/A	_\$9.48		
Total per Plate (large)	N/A N/A	\$12.15		
27 Trench Shoring (4' wide trends)		\$4.34		
Total per trench shore		\$2.17		



SFMTA Contract No. 1252

Contractor:

Barnard Impregilo Healy JV (BIH)

EVALUATION of MERIT

COR 002

Recommendation: Accept justification of merit for COR 002. SFMTA directed the additional work to restrain the AWSS line, not contained in contract documents.

Facts: During excavation for contract work, AWSS relocation, at the intersection of Fourth and Harrison Street, BIH's subcontractor Synergy Project Management (SPM) uncovered a section of pipe north of the AWSS "T" fitting which was unrestrained and badly rusted, not conforming to current code.

Rationale for COR: SFMTA issued a response to RFI 56 directing the Contractor to restrain the AWSS pipe. The RFI response prepared by Michael Smith of the San Francisco Department of Public Works stated: "Added 04/18/12: Following confirmation after SFDPW field inspection of exposed AWSS line, 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." Additional details of the connections were then provided by SFMTA for Contractor to execute the work.

Justification: The following activities were required to be performed in order to install the new restraining materials: roadway surface demolition, soil excavation, utility demolition, installation of new AWSS pipling, hydrostatic testing, backfill and compaction, restoration and traffic control devices.

Note: this COR also relates to a time impact analysis which has been received under cover of COR 008.

arah Wilson Resident Engineer

Configuration Management Board

Approval



BARNARD IMPREGILO HEALY JOINT VENTURE

420 Fourth Street San Francisco, CA 94107, PH (415) 546-0799, FX (415) 546-3822

PRELIMINARY CHANGE ORDER REQUEST FORM

Third Street Lightrail Program Phase 2 - Central Subway Project CONTRACT 1252

9/5/2012

COR 2: Additional AWSS restraining @ 4th & Harrison

DIRECT COST IMPACTS:

COR #002 submitted on 8/14/2012 had a total direct cost impact equal to \$58,444.22. See the COR package for details of all direct costs.

TIME IMPACTS:

Time impacts pertaining to this COR are captured in the COR #008 package (TIA Summary for COR's 001, 002 and 003.

WHAT (DESCRIPTION OF COR):

Additional AWSS work that was required by M. Smith from the Water department. This work consisted of approximately x12 stainless steel restraint rods, several glands, a custom cut nipple, several bell and stop collars and an additional 23' of 12" High Pressure DIP to be added to the AWSS line on 4th and Harrison.

WHY (REASON FOR COR):

This was work that was requested by M. Smith from the Water Department. SFMTA asked SPM to track it on force account in order to proceed quickly since the work was on the critical path.

WHERE (LOCATION/STATION):

4th & Harrison

WHEN (OCCURRENCE DATE, ACTION DATE):

The work began on April 13, 2012 and proceeded until pavement restoration on May 16, 2012.

HOW (RECOMMENDATION OF ACTION):

The work was on the critical path and in an effort to start the work without any delay, the MTA asked that this work be tracked on Force Account tags and that a fully executed change order would be processed in 1-2 months. However, the change order work was installed at the same time as base contract pipe with workers jumping between the added scope and base contract scope, and as a result, there were several items of work that got missed on the Force Account tags. In so much as this work was done and can be verified by the SFMTA inspectors or with daily photos, this change order has included the true and complete cost of the additional work and not just what was on the Force Account Tags. Some examples of what was not included is the welding work, some installation time, and the testing time. In addition to these items, all equipment that was used and shown on the photos are included as part of this COR. Lastly, any plates or shoring that were in use on the base contract AWSS installation and had to remain in place during the time that the added AWSS work was done have also been included in this COR in that Synergy could not backfill any part of the AWSS until the COR work was complete and the entire line was tested. This COR has excluded any delay costs on the balance of the project site and has been instructed by BIH to included these costs in another COR along with a Time Impact breakdown.

SPEC REF:

33 11 20

APPLICABLE DRAWINGS:

AW-501.12

PREPARED BY:

tractor's Representative (Name Title)

15/12

Barnard Impregilo Healy JV

REQUEST FOR INFORMATION

No. 00056

PO BOX 78270

San Francisco, CA 94107

Phone: 415-546-0799

Fax: 415-546-3822

AWSS utility conflict: Harrison/4th TITLE:

DATE: 4/11/2012

PROJECT: Contract 1252 - Tunnels

JOB: 221

TO:

Attn: Sarah H. Wilson

SF Municipal Transportation Agency

821 Howard Street

STARTED:

COMPLETED:

San Francisco, CA 94103

Phone: (415) 701-4299 Fax: (415) 701-5222

REQUIRED: 4/18/2012

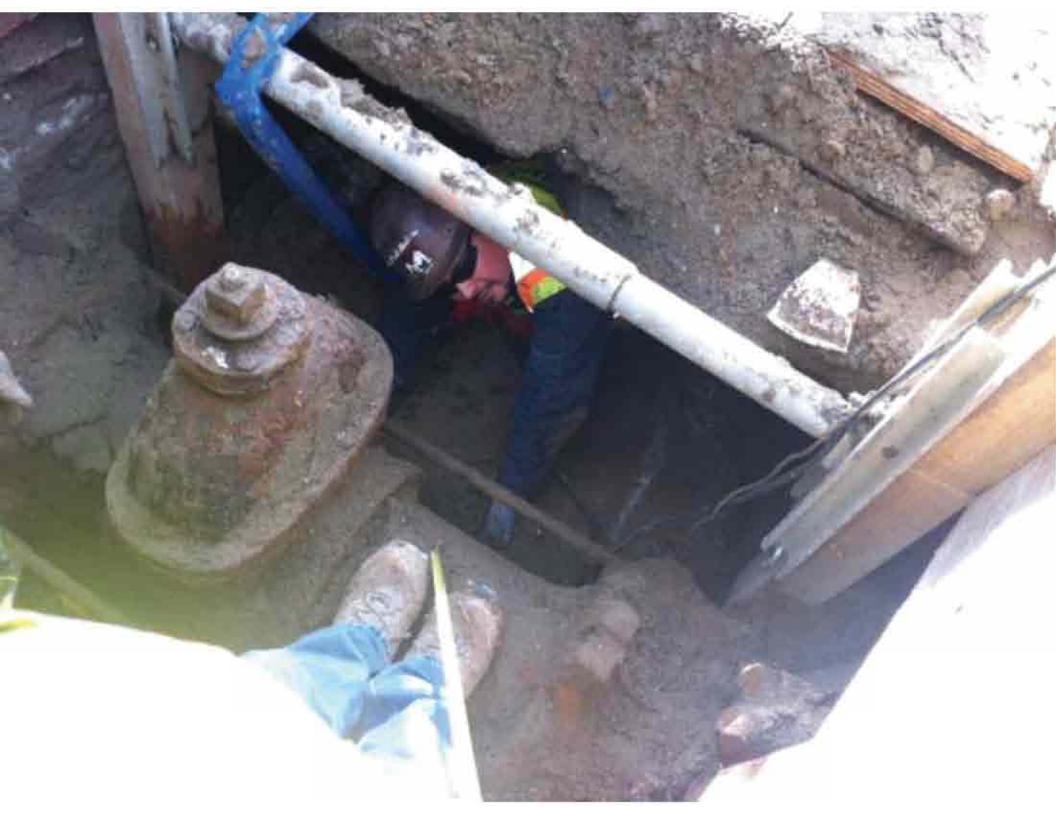
OUESTION:

It was discovered that the existing AWSS "T" fitting shown on contract drawing AW-501.12 is in conflict with an existing 12" water line. The water line, which is shown to be located 3 feet away on contract drawing UT-501 is actually only 2-3 inches away and does not provide adequate space needed for the tie-in work to the existing AWSS "T" fitting required by drawing AW-501.12. Synergy is not physically capable of gaining access to the tie rod bolts required to tighten the mechanical joint fittings at this location. Synergy's workers have already had to undermine the existing 12" water utility just to examine the utility conflict and can't continue the installation of new AWSS fittings. Synergy has removed the existing lead joint pipe and recommends leaving the ductile iron pipe intact and installing new tie rods between the new 90 degree elbow and the existing "T" fitting. Also, the existing thrust block was poured in such a way that it is covering a portion of the existing "T" fitting and will need to be chipped away in order to install the new tie rods. Can the SFMTA direct us how to proceed?

Requested By: Barnard Impregilo Healy JV

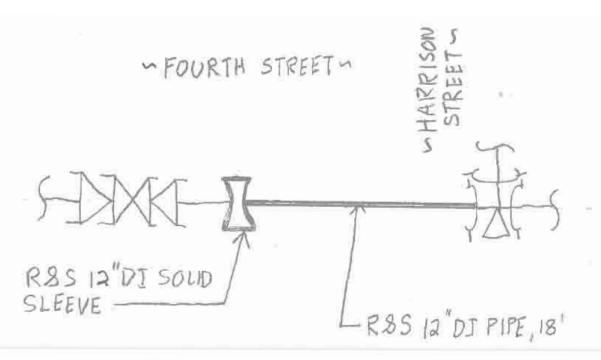
Signed:

Date:	4/11/2012	
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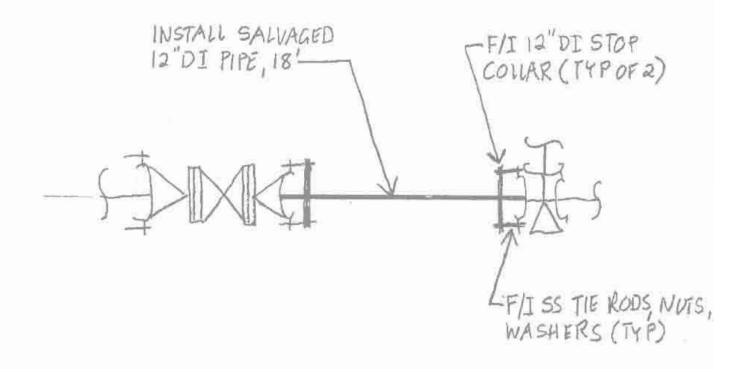








REMOVAL WORK-PLAN



NEW WORK-PLAN

REF DWGS 1424J-CONTRACT 3 NO. AW-501.5 AND AW-501.12 MICHAEL B. SMITH SFDPW/IDC/EME 04/20/12

Hill Project Number: PNN-01219.01

CN 1252- Tunnel

Change Order Request No. 002

Engineer's Estimate



Change Order Request - 002 10/9/2012

				COLUMN TO SECOND					10, 3, 20
			CO	R 00	2				
	No.	Activity Name	Days (C)	Days (EE)		Contractor (C)	Engineer's Estimate (EE)	D	elta (EE-C)
	1	04/13/12 Traffic control for MTA to inspect tee	0.38	0.375	\$	1,099.00	\$ 160.62	\$	(938.38)
1	2	04/18/12 Sawcut/remove AC roadbase	0.63	0.625	\$	1,822.00	\$ 1,639.42	\$	(182.58)
	3	04/19/12 Excavate	1	1	\$	2,892.00	\$ 2,623.08	\$	(268.92)
1	4	04/24/12 Get added materials	0.38	0	\$	593.00	\$	\$	(593.00)
	5	04/26/12 Remove conc from MUNI conduits	0.88	0.875	\$	625.00	\$ 626.06	\$	1.06
	6	04/30/12 Excavate to top of pipe	0.5	0.5	\$	869.00	\$ 787.32	\$	(81.68)
	7	05/01/12 Excavate	1	1	\$	1,498.00	\$ 1,358.70	\$	(139.30)
Labor	8	05/02/12 Install AWSS	0.5	• 0.5	\$	1,027.00	\$ 930.39	\$	(96.61)
[a]	9	05/07/12 Backfill	0.25	0.25	\$	605.00	\$ 465.19	\$	(139.81)
	10	05/11/12 Backfill	0.25	0.25	\$	513.00	\$ 465.19	\$	(47.81)
	11	05/16/12 Restore Pavement	0.25	0.25	\$	513.00	\$ 465.19	\$	(47.81)
		Support Welder	1.5	0	\$	1,462.00	\$	\$	(1,462.00)
	13	05/03/12 Install AWSS	1	0.5	\$	2,892.00	\$ 930.39	\$	(1,961.61)
		05/04/12 Additional testing line pressure	0.25	0.25	\$	723.00	\$ 655.77	\$	(67.23)
	15	05/04/12 Additional testing full pressure	0.25	0.25	\$	723.00	\$ 655.77	\$	(67.23)
	16	05/08/12 Backfill	0.38	0.38	\$	908.00	\$ 707.09	\$	(200.91)
	1	04/13/12 Traffic control for MTA to inspect tee	0.38	0.375	\$	1,552.00	\$ 214.80	\$	(1,337.20)
	2	04/18/12 Sawcut/remove AC roadbase	0.63	0.625	\$	2,824.00	\$ 1,831.86	\$	(992.15)
	3	04/19/12 Excavate	1	1	\$	3,525.00	\$ 2,605.90	\$	(919.11)
	4	04/24/12 Get added materials	0.38	0	\$	544.00	\$ -	\$	(544.00)
	5	04/26/12 Remove conc from MUNI conduits	0.88	0.875	\$	1,282.00	\$ 617.15	\$	(664.85)
	6	04/30/12 Excavate to top of pipe	0.5	0.5	\$	770.00	\$ 1,048.94	\$	278.94
뒽	7	05/01/12 Excavate	1	1	\$	2,095.00	\$ 2,386.62	\$	291.62
шe	8	05/02/12 Install AWSS	0.5	0.5	\$	1,000.00	\$ 950.42	\$	(49.59)
Equipment	9	05/07/12 Backfill	0.25	0.25	\$	793.00	\$ 681.62	\$	(111.39)
Eq	10	05/11/12 Backfill	0.25	0.25	\$	564.00	\$ 700.58	\$	136.58
	11	05/16/12 Restore Payement	0.25	0.25	\$	407.00	\$ 591.22	\$	184.22
	l .	Support Welder	1.5	0	\$	581.00	\$ -	\$	(581.00)
	l .	05/03/12 Install AWSS	1	0.5	\$	2,099.00	\$ 1,064.18	\$	(1,034.83)
	14	05/04/12 Additional testing line pressure	0.25	0.25	\$	699.00	\$ 669.98	\$	(29.02)
		05/04/12 Additional testing full pressure	0.25	0.25	\$	699.00	\$ 669.98	\$	(29.02)
	16	05/08/12 Backfill	0.38	0.38	\$	1,005.00	\$ 634.17	\$	(370.83)
7		Material			\$	6,009.73	\$ 6,131.19		
		Markup LM&E - 15%			\$	6,781.91	\$ 4,990.31		
		2nd Tier Subs			\$	1,480.00	\$ 1,480.00		
		Markup - 5%			\$	74.00	\$ 74.00		
		Sub. Bond/Insurance 2.14%			\$	1,145.94	\$ 852.00		
		Prime Markup - 5%			\$	2,734.73	\$ 2,033.25		
		Prime Bond/Insurance 1.68%			\$	964.81	\$ 717.33		
		Total			\$	58,394.12	\$ 43,415.62	\$	(14,978.50)

Summary of Differences:

- Durations all match except activities No. 4, 12, 13
- Activities No. 4 and 12 do not fit into the scope of the detailed labor and equipment estimate.
- Activity No. 13 was adjusted in relation to the other "install AWSS" activity to create a total install AWSS duration of one day. This pertains to approximately 25LF of 12" Ductile Iron pipe.
- No standby time for equipment was included in this lump sum estimate where comparatively SPM added standby for equipment into their cost estimate.
- -Total cost for activity No. 1 differs substantially because the Engineer's Estimate only addresses the traffic control devices and one laborer as the activity name implies. In contrast SPM included equipment and labor beyond the traffic control devices for the same activity.

Hill Project Number: PNN-01219.01

CN 1252- Tunnel

Change Order Request No. 002

Engineer's Estimate



	Hourly rates:		١,	335/5	1298	\$5.57	200/2	10 /s	30/50	\$/	/5	377	333/5	37/2	10/2	967/2	262/5	15	26/2	226/5	35. 5	125°	3030	AD / 5	12/5		100/	
No.	Activity	Days	Laborer (G1)	Operating Engineer (OE) (G3)	Plumber Utility Pipe Fitter	Labor Resource	Labor Resource	Labor Resource	Labor Resource	Labor totals	Work Truck	Work Truck	Air Compressor	Generator	Concrete Saw	Pvmnt Roller	Dump truck - 3-axle	Backhoe (John Deere ID 310G)	Breaker attachment for Backhoe	Mini Excavator (Kubota U45)	Excavator (Hitachi 200)	Traffic Controll (Intersection)	Interlocking Water Filled Triton Barrier	Total per Plate (small)	Total per trench	Equipment	Eq	uipment Totals
1	04/13/12 Traffic control for MTA to inspect tee	0.375	1				-	-		\$ 160.62												1	10				S	214.
_		0.625		1	1				-	\$ 1,639.42	1	1			15		1	1	1	1	0.10	1	-				S	1,831.
_	04/19/12 Excavate	1	3	1	1					\$ 2,623.08	1	1					1			1	0.063	1	10	4	5		\$	2,605.
	04/24/12 Get added materials	0								\$ -								18	8.			700	10.00	-			\$	-
			1.286	0.286						\$ 626.06	0.29			1							0.071	1		2	2		\$	617.
	04/30/12 Excavate to top of pipe	0.5		0.875						\$ 787.32	1						1			1	0.125	_	10	1			\$	1,048.
	05/01/12 Excavate	1	2.5	0.5						\$ 1,358.70	0.5	1					1			1	0.063	1	10	4			5	2,386.
_	05/02/12 Install AWSS	0.5	3	1						\$ 930.39	1	1								1	0.125		10	1	4	-	\$	950.
	05/07/12 Backfill	0.25	3	1						\$ 465.19	1	1	1	_			1			1	0.25	1	10	3	4		Ś	681.
_	05/11/12 Backfill	0.25	3	1				=		\$ 465.19	1	1			-		1			1	0.25	1	10	_	4		Ś	700.
	05/16/12 Restore Pavement	0.25	3	1						\$ 465.19	-	1	1			1	1			1	0.25	1	100				\$	591.
	Support Welder	0								\$ -											-		1				S	
_	05/03/12 Install AWSS	0.5	3	1						\$ 930.39	1	1								1	0.125	1	10	4	4		S	1,064.
	05/04/12 Additional testing line pressure	0.25	3	1	1					\$ 655.77	1	1	1	1			1				0.25	1	10	4	4		S	669.
	05/04/12 Additional testing full pressure	0.25	3	1	1				4 30	\$ 655.77	1	1	1	1			1				0.25	1	10	4	4		S	669.
	05/08/12 Backfill	0.38	_	1						\$ 707.09	_	1					1.		==		-	1	10		2		5	634
	Total						-		$\overline{}$	\$ 12,470.17							-			_		_			_		\$	14,667.
	1000				1					- may 11 01m1																		
	Labor	S	12.	470.17				Assur	nptions:							1			-	-		-	-	-	-		rie t	
	Material	-		131.19		-	_	A3301	iiptions.																			
	Equipment			667.37				- Traf	fic Cont	rol at intersection	consist	s of 1C	MS, 2 A	row Bo	ards, 6	Constr	uction	signs										
	2nd Tier Sub			480.00														-										
	Markup on 2nd Tier Sub - 5%			74.00	_			- All n	naterial	procurement and	deliver	y is cap	tured u	nder 2%	6 prem	ium ado	led on	the mat	terials s	ummar	ry sheet							
	1st Tier Sub OH&P - 15%			990.31		_																						
	1st Tier Sub Bond/Insurance - 2.14%	_		852.00				- Hita	chi 200	Excavator is used	30min)	per day	to mov	e temp	orary r	oad dec	king											
	Prime - Markup - 5%			033.25																								
	Prime - Bond/Insurance - 1.68%			717.33																								
	Total Amount																											
-				415.62														T			T		T	T	T			
							3	hift Du	iration:	8'nrs						1 4												
	-		-	-			F				1	1/	7	16	5	1	11											
				-						(1	tes	1	1	w	1/2	1											
		_		1	1		_			Checked By:	7	/	1	-	-	-	_	-	ou		+	-	+	-	-	+	_	

Client: SFMTA Hill Project Number: PNN-01219.01 CN 1252- Tunnel

Change Order Request No. 002

Engineer's Estimate



Material	Qty.	Unit	U	nit Price	-	xtension
Weld Stops		EA	\$	22.45	\$	269.40
Stop Collar	3	EA		470.82	\$	1,412.46
Bell Collar	1	EA	\$	455.33	\$	455.33
Tie Rods 1 1/4" x 32" (3lf each - 8 used)	24	LF	\$	25.95	\$	622.90
SS Wire 10 Gauge	300	LF	\$	0.93	\$	278.70
SS Square Washers	16		\$	2,32	\$	37.12
SS Bolts	16		\$	23.81	\$	380.96
SS Nuts	16		\$	3.65	\$	58.40
12" MJ glands	2	EA	\$	56.96	\$	113.92
12" MJ gasket	2	EA	\$	8.28	\$	16.56
12" Bell gasket	1	EA	\$	11.10	\$	11.10
12" Gripper Gaskets	2	EA	\$	123.33	\$	246.66
3' Length of 12" DI	20	LF	\$	42.44	\$	848.80
51" Spool	4.25	LF	\$	42.44	\$	180.37
Sawcutting Blade (Caltrans code 100'/inch)	720	IN/FT	\$	0.18	\$	129.60
Delivery doesn't apply below			T		Ė	
Concrete Base (\$30 delivery not taxable)	2.15	CY	\$	197.50	\$	424.63
Asphalt	1	TN	\$	73.00	\$	73.00
					Ţ,	
Sales Tax - 8.5%					\$	470.04
Delivery - 2%					\$	101.25
Total					\$	6,131.19
						-,
2nd Tier Sub Quote	Al'	s Weldir	ng 4	Stops	\$	480.00
		s Weldir	_		\$	1,000.00
			Ĭ		1	

Hill Project Number: PNN-01219.01

CN 1252-Tunnel

Change Order Request No. 002

Engineer's Estimate



	1			F	re	vailing l	Lal	bor Rate	es	- SF								
			Social Security	Medicare		FUTA		SUTA		SF Pay		WC	Vaca	tion/Holiday	Oth	ner Fringes		
			6.20%	1.45%	L	0.60%		6.20%		1.50%		12.00%					Fully I	Burdened
Labor Resource							L,											
Carpenter	\$	38.50	\$ 2.64	\$ 0.62	\$	0.26	\$	2.64	\$	0.64	\$	5.11	\$	4.05	\$	21.77	\$	76.21
Cement Mason	\$	28.65	\$ 2.09	\$ 0.49	\$	0.20	\$	2.09	\$	0.51	\$	4.05	\$	5.14	\$	16.82	\$	60.05
Electrician (Inside Wireman)	\$	54.87	\$ 3.72	\$ 0.87	\$	0.36	\$	3.72	\$	0.90	\$	7.20	\$	1.64	\$	23.95	\$	97.23
Flag Person	\$	26.89	\$ 1.82	\$ 0.43	\$	0.18	\$	1.82	\$	0.44	\$	3.52	\$	2.48	\$	14.62	\$	52.20
Iron Worker	\$	33.00	\$ 2.29	\$ 0.54	\$	0.22	\$	2.29	\$	0.55	\$	4.43	\$	3.92	\$	21.37	\$	68.60
Laborer (G1)	\$	26.89	\$ 1.82	\$ 0.43	\$	0.18	\$	1.82	\$	0.44	\$	3.52	\$	2.48	\$	15.96	\$	53.54
Laborer (G2)	\$	26.99	\$ 1.83	\$ 0.43	\$	0.18	\$	1.83	\$	0.44	\$	3.54	\$	2.48	\$	15.96	\$	53.67
Operating Engineer (OE) (G2)	\$	36.24	\$ 2.48	\$ 0.58	\$	0.24	\$	2.48	\$	0.60	\$	4.79	\$	3.70	\$	22.77	\$	73.87
Operating Engineer (OE) (G3)	\$	34.76	\$ 2.38	\$ 0.56	\$	0.23	\$	2.38	\$	0.58	\$	4.62	\$	3.70	\$	22.77	\$	71.98
Pile Driver (PD) (G2)	\$	37.17	\$ 2.53	\$ 0.59	\$	0.25	\$	2.53	\$	0.61	\$	4.90	\$	3.70	\$	22.77	\$	75.06
Plumber Utility Pipe Fitter	\$	51.00	\$ 3.18	\$ 0.74	\$	0.31	\$	3.18	\$	0.77	\$	6.16	\$	0.30	\$	29.65	\$	95.29
Teamster	\$	27.43			\$	0.18	\$	1.83	\$	0.44	\$	3.55	\$	2.15	\$	20.42	\$	58.27
Traffic Control Person I	\$	27.19	\$ 1.84		\top	0.18	\top	1.84		0.45	\$	3.56	\$	2.48	\$	14.62	\$	52.58
Traffic Control Person II	\$	24.69	\$ 1.68			0.16		1.68	\$	0.41		3.26	\$	2.48		14.62	\$	49.38
Scaffold / Shoring Erector	\$	38.65			1	0.26		2.65		0.64		5.12		4.05		21.77		76.40
Scarrola / Shoring Erector	1	30.03	2.03	0.02	Ť		<u> </u>		Ť		Ť		_		_			
Elevator Mechanic/Constructor	\$	57.29	\$ 3.77	\$ 0.88	\$	0.36	\$	3.77	\$	0.91	\$	7.29	\$	3.44	\$	23.84	\$	101.54
Elevator Mechanic Helper	\$	40.10	\$ 2.70	\$ 0.63	\$	0.26	\$	2.70	\$	0.65	\$	5.22	\$	3.44	\$	23.84	\$	79.54
Asbestos Removal Specialist II	\$	24.87	\$ 1.67	\$ 0.39	\$	0.16	\$	1.67	\$	0.40	\$	3.23	\$	2.02	\$	10.53	\$	44.94
Lead Removal Worker	\$	36.25	\$ 2.36	\$ 0.55	\$	-0.23	\$	2.36	\$	0.57	\$	4.57	\$	1.85	\$	6.09	\$	54.84

Hill Project Number: PNN-01219.01

CN 1252-Tunnel

Change Order Request No. 002

Engineer's Estimate



Equipment	Caltrans Page No	CalTrans Category Sub-Category Rental Quote/ Code	Ho	urly Rate	Delay Factor	Sta	indby Rate
Equipment			\$	-			
1 Work Truck	34	TRUCK	\$	33.12	0.14	\$	4.64
2 Dump truck - 3-axle	34	TRUON	\$	66.43	0.16	\$	10.63
3 Tow Behind Trailer	33	TRAIT	\$	5.72	0.42	\$	2.40
4 End Dump - 5-axle	34	TRUON	\$	83.50	0.16	\$	13.36
5 Generator	6	ELGEN	\$	14.18	0.11	\$	1.56
6 Air Compressor	1	AIRCP	\$	34.31	0.12	\$	4.12
60-90 Lb. Jack-hammer	1	AIRTOL	\$	1.31	0.61	\$	0.80
Air compressor, hoses & hammer total			\$	35.62		\$	4.92
7 Arc Welder	34	WELD	\$	11.87	0.18	\$	2.14
Welding Rods	N/A	N/A	\$	5.34		\$	_
F250	34	TRUCK	\$	33.12	0.14	\$	4.64
Welder and Truck			\$	50.33		\$	6.77
8 Torches and Tanks	34	WELD	\$	0.24	0.18	\$	0.04
Oxygen Tank <i>and</i> Acetylene Tank	N/A	N/A	\$	38.70		\$	_
Total Torches and Tanks			\$	38.94		\$	0.04
9 Rotohammer	6	ELTOL	\$	0.44	0.61	\$	0.27
Generator	6	ELGEN	\$	14.18	0.11	\$	1.56
Rotohammer and Generator			\$	14.62		\$	1.83
10 Rivet Buster	1	AIRTOL	\$	1.31	0.61	\$	0.80
Air Compressor		AIRCP	\$	34.31	0.12		4.12
Rivet Buster and Air Compressor			\$	35.62		\$	4.92
11 Compactor, Hand Guided	4	COMHG	\$	8.82	0.18	\$	1.59
12 Bobcat 763		TRACS	\$	25.35	0.11		2.79
13 Backhoe (John Deere ID 310G)		LDDRT	\$	62.87	0.12		7.54
Clam Shell Bucket		N/A	\$	9.29	0.12		1.11
Backhoe w/ Clam Shell total			\$	72.16	0.12	\$	8.66

Hill Project Number: PNN-01219.01

CN 1252- Tunnel

Change Order Request No. 002

Engineer's Estimate



Change Order Request - 002 10/9/2012

14 Breaker attachment for Backhoe	7 HA	AMMR	\$ 42.26	0.23	\$ 9.72
15 Mini Excavator (Kubota U45)	N/A N/	Α	\$ 63.79	0.18	\$ 11.48
16 Excavator (Hitachi 200)	N/A N/	Α	\$ 142.51	0.18	\$ 25.65
17 New Halland Excavator (E135)	N/A N/	Α	\$ 120.13	0.18	\$ 21.62
18 Ride-on Sweeper	4 BF	RMSW_	\$ 145.11	0.14	\$ 20.32
19 Bituminous Distributor	4 BI	TDT	\$ 6.52	0.14	\$ 0.91
Work truck	33 TR	RUCK	\$ 33.12	0.14	\$ 4.64
Bituminous Distributor with truck			\$ 39.64		\$ 5.55
20 Fork Lift Truck	6 FK	LFT	\$ 27.14	0.20	\$ 5.43
21 Concrete Saw	28 SA	wco	\$ 19.63	0.14	\$ 2.75
Saw blade 12" x \$18 per hour (100 LF)	28 SA	wco	\$ 216.00	0.14	\$ 30.24
Concrete Saw and Blade			\$ 235.63		\$ 32.99
22 Water Pump	22 PL	IMWA	\$ 22.61	0.35	\$ 7.91
23 Confined Space Equipment Gas Detector 4-Gas w/ Motorized Integral Pump Blower Portable w/ 8"x15' Hose			\$22.79 \$8.82		
Retrieval 65' Winch for Tripod SCBA-NFPA Approved 2216 PSI Complete alrpeck Total Confined Space			\$11.53 \$9.03 \$ 52.15		
Traffic Control (per street, intersection = x2 24 streets)					
Construction Signs	32 TR	AFC	\$7.29		
Changeable Message Boards	32 TF	RAFA	\$9.92		
Arrow Board	32 TR	AFA	\$3.20		
No Parking Signs (A-frames)	32 TR		\$0.22		
Cones (per 100)	32 TR	AFC	\$13.27		
25 Interlocking Water Filled Triton Barrier	N/A N/	'A	\$4.07		
\$30 per day /8 plus tax					
26 Traffic Plates Installed					
Total per Plate (small)	N/A N/	A l	\$9.48		
Total per Plate (large)	N/A N/.	A	\$12.15		
27 Trench Shoring (4' wide trends)			\$4.34		
Total per trench shore			\$2.17		
Pvmnt Roller			\$ 32.62		

Pvmnt Roller Traffic Controll (Intersection) 32.62

\$ 30.90



Connecting people. Connecting communities.

SFMTA Contract No. 1252

Contractor:

Barnard Impregilo Healy JV

EVALUATION of MERIT

COR 003

Recommendation: Accept justification for merit of COR 003. The existing AT&T vault and duct bank were not correctly shown on the contract drawings, and interfered with contract installation work related to the sewer main. Additional effort was needed to accomplish the contract work.

Facts: During excavation at the intersection of Fourth St. and Harrison St., BIH's subcontractor Synergy Project Management (SPM) discovered that an existing AT&T vault and duct bank conflicted with the installation of the 35 lineal feet of 42" RCP required as shown on contract drawing SW-5, Rev. 0.

Rationale for COR: AT&T inspector David Gibbons field verified the conflict and approved the removal of a portion of the vault and duct bank to ensure the completion of the sewer main. This approval was documented in the responses to RFIs 49, 49.1, and 49.2.

Justification: The following additional activities were required to be performed in order to complete the installation of the sewer main: chip away the duct bank concrete encasement, chip away a portion of the vault's NE corner, concrete disposal, new construction of the vault's NE wall and new construction of the concrete encasement surrounding the duct bank.

Note: this COR also relates to a time impact analysis which has been received under cover of COR 008.

By:

Sarah Wilson

Resident Engineer

Configuration Management Board

Approval

Date

Date

10 10 1



BARNARD IMPREGILO HEALY JOINT VENTURE

420 Fourth Street San Francisco, CA 94107, PH (415) 546-0799, FX (415) 546-3822

PRELIMINARY CHANGE ORDER REQUEST FORM

Third Street Lightrall Program Phase 2 - Central Subway Project CONTRACT 1252

9/5/2012

COR 3: LB - ATT Vault Conflict w/ 42" RCP Sewer Main

DIRECT COST IMPACTS:

COR #003 submitted on 8/15/2012 had a total direct cost impact equal to \$21,089.02. See the COR package for details of all direct costs.

TIME IMPACTS:

Time impacts pertaining to this COR are captured in the COR #008 package (TIA Summary for COR's 001, 002 and 003.

WHAT (DESCRIPTION OF COR):

SPM spent an additional 3 days to chip the AT&T vault in the Harrison intersection due to it's conflict with the 42" sewer bypass to be installed per the contract drawings. Part of the duct bank needed to be chipped and patched as well after the sewer line was installed.

WHY (REASON FOR COR):

This vault was not shown in this location on the base contract drawings with the corner in the way of the sewer line. As a result of this differing condition, Synergy spent an additional 3 days to chip the vault and prepare the area to allow for clearance for the sewer line.

WHERE (LOCATION/STATION):

4th & Harrison

WHEN (OCCURRENCE DATE, ACTION DATE):

The work occurred throughout April 2012, and the duct bank was re-poured on 6/8/12.

HOW (RECOMMENDATION OF ACTION):

SPM wrote RFi's about the conflict as it is required to do in the specifications, notifying and requesting information about how to proceed. Furthermore, in a effort to mitigate any time delay, Synergy shifted its crews to work on other areas of the job while approval to proceed with the work was given by the designer and AT&T. Work for this was approved to be tracked on force account.

SPEC REF:

33 31 00

APPLICABLE DRAWINGS:

SW-5

PREPARED BY:

Contractor's Representative (Name, Title)

1/5/12

Hembd, Matthew

From: Wilson, Sarah H (SFMTA)

Sent: Wednesday, September 19, 2012 4:51 PM

To: Hembd, Matthew **Subject:** FW: 1252 COR #003

Categories: Red Category

FYI

From: HUYNH, HUAN C [mailto:hh2621@att.com] Sent: Friday, September 07, 2012 11:29 AM

To: Wilson, Sarah H (SFMTA)

Cc: Benson, Mark; Barnhart, Kenneth J

Subject: RE: 1252 COR #003

Sarah,

AT&T agrees to the change order request. Please proceed with the invoice.

Thanks Huan

From: Wilson, Sarah H (SFMTA) [mailto:Sarah.Wilson@sfmta.com]

Sent: Thursday, August 16, 2012 9:54 PM

To: HUYNH, HUAN C

Cc: Benson, Mark; Barnhart, Kenneth J

Subject: 1252 COR #003

Huan:

Attached is an electronic copy of the change order request I provided to you today. Please review and let me know if AT&T agrees to this change order request. If you would like any additional information, just let me know.

Please note that the COR mentions a possible time impact, which we are evaluating separately. If we determine that the time impact has merit and is attributable to AT&T, we will let you know.

Regards, Sarah

From: Jack Sucilsky [jack.sucilsky@barnard-inc.com]

Sent: Thursday, August 16, 2012 2:14 PM

To: Wilson, Sarah H (SFMTA) **Cc:** Hembd, Matthew; Leong, Kristie

Subject: RE: COR #003

Sarah,

See attached COR #003. One force account was illegible in the previous submission, fa tag 4053, and this was replaced. Synergy's lab-mat sheet was scanned in color. Please forward to AT&T.

Thanks,



From: Wilson, Sarah H (SFMTA) [mailto:Sarah.Wilson@sfmta.com]

Sent: Thursday, August 16, 2012 1:13 PM

To: 'Jack Sucilsky'

Cc: Hembd, Matthew; Leong, Kristie

Subject: RE: COR #003

Jack,

I am providing a hard copy of this COR to AT&T today; however, could you try to get a slightly better scan? Some of the force account tags are illegible. In addition, SPM's labor and material detail makes reference to items marked in yellow, but there are none visible.

I'd like a better electronic copy to send to AT&T.

Thanks, Sarah

Sarah H. Wilson, PE CN 1252 Resident Engineer SFMTA Central Subway Project 420 4th Street San Francisco, CA 94107

San Francisco, CA 94107

Direct: (415) 243-0950

Mobile: (415) 312-9167

Email: Sarah.Wilson@sfmta.com

From: Jack Sucilsky [mailto:jack.sucilsky@barnard-inc.com]

Sent: Wednesday, August 15, 2012 10:15 AM

To: Wilson, Sarah H (SFMTA)

Cc: Barnhart, Kenneth J; 'Matthew Hembd'; Leong, Kristie; Washington, Marlon D; ben.campbell@barnard-inc.com;

beau.blume@barnard-inc.com; 'Alessandro Tricamo'; Hawk, William

Subject: COR #003

Sarah/Matt,

Attached is the COR #003 (LB – ATT Vault Conflict with 42 inch RCP Sewer Main) package. I know that only the BIH cover page was requested, but I thought it would be more beneficial if I updated the entire package and submitted

complete. This way the SFMTA can review and forward to AT&T as needed. A hard copy of this package is currently being delivered to Marlon.

Thanks,



Engineer's Estimate



Change Order Request - 003 10/5/2012

								10/ 5
			(COR 003				
	No.	Activity Name		Contractor (C)	Engineer's Estimate (E	E)	D	elta (EE-C)
	1	Chip vault and duct bank	\$	2,293.00	\$ 1,969	61	\$	(323.39)
	2	Chip vault	\$	1,146.00	\$ 984	.81	\$	(161.19)
	3	Chip vault	\$	1,039.00	\$ 931	.92	\$	(107.08)
	4	Chip vault	\$	1,688.00	\$ 1,515	.22	\$	(172.78)
	5	Pour AT&T vault wall	\$	260.00	\$ 232	.98	\$	(27.02)
or	6	Pour/finish duct bank	\$	319.00	\$ 286	65	\$	(32.35)
Labor	7	Activity Name	\$	-	\$ -		\$	-
	8	Activity Name	\$	-	\$ -	-	\$	-
	9	Activity Name	\$		\$ -		\$	-
	10	Activity Name	\$		\$ -		\$	-
	11	Activity Name	\$		\$ -		\$	-
	12	Activity Name	\$		\$ -		\$	_
一	1	Chip vault and duct bank	\$	2,816.00	\$ 2,159	3/1	\$	(656.66)
П	2	Chip vault	\$	1,199.00	\$ 2,133.		\$	(170.68)
П	3	Chip vault	\$	1,499.00	\$ 2,088		\$	589.84
П	4	Chip vault	\$	2,680.00	\$ 2,520.		\$	(159.93)
₊	5	Pour AT&T vault wall	\$	424.00	\$ 234.		\$	(189.68)
le	6	Pour/finish duct bank	\$	185.00	\$ 160.		\$	(24.75)
ig	7	Activity Name	\$	103.00	\$ -		\$	- (24.73)
Equipment	8	Activity Name	\$		\$ -		\$	_
	9	Activity Name	\$		\$ -		\$	_
Ш	10	Activity Name	\$		\$ -		\$	_
Ш	11	Activity Name	\$		\$ -		\$	_
Ш	12	Activity Name	\$	-	\$ -		\$	_
				676.40	\$ 662.	0.4		
		Material	\$	676.19	<u> </u>			
		Markup LM&E - 15%	\$	2,433.63	\$ 2,216.	29		
		2nd Tier Subs	\$	-	\$ -			
		Markup - 5%	\$	-	\$ -	-		
		Sub. Bond/Insurance 2.14%	\$	399.28	\$ 363.			
		Prime Markup - 5%	\$	952.85	\$ 867.			
		Prime Bond/Insurance 1.68%	\$	336.17	\$ 306.			
		Total	\$	20,346.12	\$ 18,529.	09	\$	(1,817.03)

Summary of Differences:

- -Crew size different for activity No. 6
- -"tool truck" not included in Engineer's Estimate
- -Generator not included in Engineer's Estimate
- -Extra jackhammer not included in Engineer's Estimate (included in air compressor rate)

Client: SFMTA Hill Project Number: PNN-01219.01 CN 1252 - Tunnel Change Order Request No. 003 Engineer's Estimate



Change Order Request - 003 10/5/2012

		Hourly rates:		/5	3, 5	6/5	7.7.	9/5	0/5	, so / s	0,00	7	5	31.7 3	6/2	3/5	18/2	20/2	3.18/1	10/5	32/2	500/2	01/0	20/2	3/
		,																							
				(63)		Fitter								oŏ		310G)	attachment for Backhoe	U45)		Boards		d Triton			
				er (0E)		Pipe Fit								hoses	kle	Deere ID	ent fo	Mini Excavator (Kubota	51			er Filled	mall)	shore	
				Engineer	6	Utility P	urce	urce	urce	urce					: - 3-axle		achm	itor (K	n Signs	Changeable Message	p	Water	Total per Plate (small)	trench shore	
				sting E	Laborer (G2)	er Ut	Resource	Resource	Resource	Resource			Truck	compressor, nmer total	truck	Backhoe (John		xcava	Construction	geable	Arrow Board	Interlocking Barrier	per Pl	per tr	
No.	Activity		Days	Operating	Labor	Plumber	Labor	Labor	Labor	Labor	Lab	or totals	Work	Air comp hammer	Dump	Backh	Breaker	Mini	Const	Chang	Arrow	Interloc Barrier	Total	Total	Equipment Totals
			200																						
1	Chip vault and duct bank		0.75	1	3	1					\$	1,969.61	1	1	1	1	1	0	3	1	2	20			\$ 2,159.34
2	Chip vault		0.375	1	3.00	_1					\$	984.81	1	0.25	1			1	3	1	2	20	4	6	\$ 1,028.33
3	Chip vault		1	0.5	1.5						\$	931.92	0.5	0.25	0.5			0.5	3	1	2	20	4	6	\$ 2,088.84
4	Chip vault		1	1	2.188						\$	1,515.22	1	1	0.66			0.5	3	1	2	20	4	6	\$ 2,520.07
5	Pour AT&T vault wall		0.125	1	3						\$	232.98				-	-	1	3	1	2	20	4	6	\$ 234.32
6	Pour/finish duct bank		0.125	1	4						\$	286.65	1			0.12			3	1	2	20			\$ 160.25
7	Activity Name			_							\$	-					-								\$ -
8	Activity Name										\$	-				-27									\$ -
9	Activity Name										\$	-													\$ -
10	Activity Name										\$	-													\$ +
11	Activity Name		-								\$														\$ -
12	Activity Name										\$	-													\$ -
13	Total										\$	5,921.19													\$ 8,191.15

Labor	\$ 5,921.19
Material	\$ 662.94
Equipment	\$ 8,191.15
2nd Tier Sub	\$ -
Markup on 2nd Tier Sub - 5%	\$ -
1st Tier Sub OH&P - 15%	\$ 2,216.29
1st Tier Sub Bond/Insurance - 2.14%	\$ 363.62
Prime - Markup - 5%	\$ 867.76
Prime - Bond/Insurance - 1.68%	\$ 306.15
Total Amount	\$ 18 529.09

Assumptions:

Shift Duration:

Client: SFMTA HIll Project Number: PNN-01219.01 CN 1252 - Tunnel Change Order Request No. 003 Engineer's Estimate



	Material		Qty.	Unit	Uı	nit Price	Ex	tension
Concrete - Duct Bank			2	CY	\$	197.50	\$	395.00
Concrete - Manhole			1	CY	\$	216.00	\$	216.00
							\$	-
							\$	-
		Sales Tax 8.5%					\$	51.94
Total							\$	662.94
		2nd Tier Sub Quote					\$	-

Hill Project Number: PNN-01219.01

CN 1252 - Tunnel

Change Order Request No. 003

Engineer's Estimate



Change Order Request - 003 10/5/2012

Prevailing Labor Rates - SF

		Soc	cial Security	Medicare	1 -	FUTA	SUTA		SF Pay	WC	Vacat	tion/Holiday	Oth	er Fringes		
			6.20%	1.45%		0.60%	6.20%		1.50%	12.00%	1				Full	y Burdened
Labor Resource								Ш							1	0
Carpenter	\$ 38.50	\$	2.64	\$ 0.62	\$	0.26	\$ 2.64	\$	0.64	\$ 5.11	\$	4.05	\$	21.77	\$	76.21
Cement Mason	\$ 28.65	\$	2.09	\$ 0.49	\$	0.20	\$ 2.09	\$	0.51	\$ 4.05	\$	5.14	\$	16.82	\$	60.05
Electrician (Inside Wireman)	\$ 54.87	\$	3.72	\$ 0.87	\$	0.36	\$ 3.72	\$	0.90	\$ 7.20	\$	1.64	\$	23.95	\$	97.23
Flag Person	\$ 26.89	\$	1.82	\$ 0.43	\$	0.18	\$ 1.82	\$	0.44	\$ 3.52	\$	2.48	\$	14.62	\$	52.20
Iron Worker	\$ 33.00	\$	2.29	\$ 0.54	\$	0.22	\$ 2.29	\$	0.55	\$ 4.43	\$	3.92	\$	21.37	\$	68.60
Laborer (G1)	\$ 26.89	\$	1.82	\$ 0.43	\$	0.18	\$ 1.82	\$	0.44	\$ 3.52	\$	2.48	\$	15.96	\$	53.54
Laborer (G2)	\$ 26.99	\$	1.83	\$ 0.43	\$	0.18	\$ 1.83	\$	0.44	\$ 3.54	\$	2.48	\$	15.96	\$	53.67
Operating Engineer (OE) (G2)	\$ 36.24	\$	2.48	\$ 0.58	\$	0.24	\$ 2.48	\$	0.60	\$ 4.79	\$	3.70	\$	22.77	\$	7 3.87
Operating Engineer (OE) (G3)	\$ 34.76	\$	2.38	\$ 0.56	\$	0.23	\$ 2.38	\$	0.58	\$ 4.62	\$	3.70	\$	22.77	\$	71.98
Pile Driver (PD) (G2)	\$ 37.17	\$	2.53	\$ 0.59	\$	0.25	\$ 2.53	\$	0.61	\$ 4.90	\$	3.70	\$	22.77	\$	75.06
Plumber Utility Pipe Fitter	\$ 51.00	\$	3.18	\$ 0.74	\$	0.31	\$ 3.18	\$	0.77	\$ 6.16	\$	0.30	\$	29.65	\$	95.29
Teamster	\$ 27.43	\$	1.83	\$ 0.43	\$	0.18	\$ 1.83	\$	0.44	\$ 3.55	\$	2.15	\$	20.42	\$	58.27
Traffic Control Person I	\$ 27.19	\$	1.84	\$ 0.43	\$	0.18	\$ 1.84	\$	0.45	\$ 3.56	\$	2.48	\$	14.62	\$	52.58
Traffic Control Person II	\$ 24.69	\$	1.68	\$ 0.39	\$	0.16	\$ 1.68	\$	0.41	\$ 3.26	\$	2.48	\$	14.62	\$	49.38
Scaffold / Shoring Erector	\$ 38.65	\$	2.65	\$ 0.62	\$	0.26	\$ 2.65	\$	0.64	\$ 5.12	\$	4.05	\$	21.77	\$	76.40
Elevator Mechanic/Constructor	\$ 57.29	\$	3.77	\$ 0.88	\$	0.36	\$ 3.77	\$	0.91	\$ 7.29	\$	3.44	\$	23.84	\$	101.54
Elevator Mechanic Helper	\$ 40.10	\$	2.70	\$ 0.63	\$	0.26	\$ 2.70	\$	0.65	\$ 5.22	\$	3.44	\$	23.84	\$	79.54
Asbestos Removal Specialist II	\$ 24.87	\$	1.67	\$ 0.39	\$	0.16	\$ 1.67	\$	0.40	\$ 3.23	\$	2.02	\$	10.53	\$	44.94
Lead Removal Worker	\$ 36.25	\$	2.36	\$ 0.55	\$	0.23	\$ 2.36	\$	0.57	\$ 4.57	\$	1.85	\$	6.09	\$	54.84

Hill Project Number: PNN-01219.01

CN 1252 - Tunnel

Change Order Request No. 003

Engineer's Estimate



Equipment	Caltrans	CalTrans Category Sub-Category Rental Quote/ Code	Ш	ush Data	Delay	Cia	ndby Daio
Equipment Equipment	Page No	Code	#0 \$	urly Rate	Factor	Sta	ndby Rate
1 Work Truck	34	TRUCK	\$	33.12	0.14	\$	4.64
2 Dump truck - 3-axle	34	TRUON	\$	66.43	0.16	\$	10.63
3 Tow Behind Trailer	33	TRAIT	\$	5.72	0.42	\$	2.40
4 End Dump - 5-axle	. 34	TRUON	\$	83.50	0.16	\$	13.36
5 Generator	6	ELGEN	\$	14.18	0.11	\$	1.56
6 Air Compressor	1	AIRCP	\$	34.31	0.12	\$	4.12
60-90 Lb. Jack-hammer	1	AIRTOL	\$	1.31	0.61	\$	0.80
Air compressor, hoses & hammer total			\$	35.62		\$	4.92
7 Arc Welder	34	WELD	\$	11.87	0.18	\$	2.14
Welding Rods	N/A	N/A	\$	5.34		\$	-
F250	34	TRUCK	\$	33.12	0.14	\$	4.64
Welder and Truck	_		\$	50.33		\$	6.77
8 Torches and Tanks	34	WELD	\$	0.24	0.18	\$	0.04
Oxygen Tank <i>and</i> Acetylene Tank	N/A	N/A	\$	38.70		\$	_
Total Torches and Tanks			\$	38.94		\$	0.04
9 Rotohammer	6	ELTOL	\$	0.44	0.61	\$	0.27
Generator	6	ELGEN	\$	14.18	0.11	\$	1.56
Rotohammer and Generator			\$	14.62		\$	1.83
10 Rivet Buster	1	AIRTOL	\$	1.31	0.61	\$	0.80
Air Compressor	1	AIRCP	\$	34.31	0.12	\$	4.12
Rivet Buster and Air Compressor			\$	35.62		\$	4.92
i1 Compactor, Hand Guided	4	COMHG	\$	8.82	0.18	\$	1.59
12 Bobcat 763	31	TRACS	\$	25.35	0.11	\$	2.79
13 Backhoe (John Deere ID 310G)	18	LDDRT	\$	62.87	0.12	\$	7.54

Client: SFMTA Hill Project Number: PNN-01219.01 CN 1252 - Tunnel Change Order Request No. 003

Engineer's Estimate



1			-	
Clam Shell Bucket	1 N/A	\$ 9.29	0.12	\$ 1.11
Backhoe w/ Clam Shell total		\$ 72.16		\$ 8.66
14 Breaker attachment for Backhoe	7 HAMMR	\$ 42.26	0.23	\$ 9.72
15 Mini Excavator (Kubota U45)	N/A N/A	\$ 63.79	0.18	\$ 11.48
16 Excavator (Hitachi 200)	N/A N/A	\$ 142.51	0.18	\$ 25.65
17 New Holland Excavator (E135)	N/A N/A	\$ 120.13	0.18	\$ 21.62
18 Ride-on Sweeper	4 BRMSW	\$ 145.11	0.14	\$ 20.32
19 Bituminous Distributor	4 BITDT	\$ 6.52	0.14	\$ 0.91_
Work truck	33 TRUCK	\$ 33.12	0.14	\$ 4.64
Bituminous Distributor with truck		\$ 39.64		\$ 5.55
20 Fork Lift Truck	6 FKLFT	\$ 27.14	0.20	\$ 5.43
21 Concrete Saw	28 SAWCO	\$ 19.63	0.14	\$ 2.75
Saw blade 12" x \$18 per hour (100 LF)	28 SAWCO	\$ 216.00	0.14	\$ 30.24
Concrete Saw and Blade		\$ 235.63		\$ 32.99
22 Water Pump	22 PUMWA	\$ 22.61	0.35	\$ 7.91
23 Confined Space Equipment Gas Detector 4-Gas w/ Motorized Integral Pump		\$22.79		
Blower Portable w/ 8"x15' Hose		\$8.82		
Retrieval 65' Winch for Tripod		\$11.53		
SCBA-NFPA Approved 2216 PSI Complete alrpeck		\$9.03		
Total Confined Space		\$52.15		
Traffic Control (per street, intersection = x2 24 streets)				
Construction Signs	32 TRAFC	\$7.29		
Changeable Message Boards	32 TRAFA	\$9.92		_
Arrow Board	32 TRAFA	\$3.20		
No Parking Signs (A-frames)	32 TRAFC	\$0.22		
Cones (per 100)	32 TRAFC	\$13.27		
25 Interlocking Water Filled Triton Barrier	N/A N / A	\$4.07		
\$30 per day /8 plus tax				
26 Traffic Plates Installed				
Total per Plate (small)	N/A N/A	\$9.48		
Total per Plate (large)	N/A N/A	\$12.15		
27 Trench Shoring (4' wide trends)		\$4.34		
Total per trench shore		\$2.17		
			<u>'</u>	NR-41



Connecting people. Connecting communities.

SFMTA Contract No. 1252

Contractor:

Barnard Impregilo Healy JV

EVALUATION of MERIT

COR 010

Recommendation: Accept justification for merit of COR 010. PG&E requested the demolition of concrete duct bank and manhole 1495 to facilitate the removal of city 911 fiber optic cable which crossed the north Moscone headwall.

Facts: PG&E requested the demolition of concrete duct bank and manhole 1495, located just north of the north Moscone headwall as indicated on UT-402, Rev. 0, to facilitate their removal of the city 911 fiber optic cable.

Rationale for COR: This demolition was requested by Michael Lightstone of PG&E and a not to exceed amount of \$5,000 was established by PG&E for this work.

Justification: The following additional activities were required to be performed in order to complete the manhole and duct bank demolition: traffic control, concrete demolition disposal, and patching.

Bv.

Sarah Wilson

Resident Engineer

Configuration Management Board

Approval

Dale

10/10/12

Date

Barnard Impregilo Healy JV

TRANSMITTAL No. 00534

PO BOX 78270 San Francisco, CA 94107 Phone: 415-546-0799 Fax: 415-546-3822

PROJECT: Contract 1252 - Tunnels

DATE: 8/15/2012

TO:

SF Municipal Transportation Agency

REF: COR #010 (Revision)

821 Howard Street

MOS - Demo PGE Duct Banks

San Francisco, CA 94103

& SF City 911 Fiber Optic Lines

ATTN: Sarah H. Wilson

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	✓ Approvai	☐ Approved as Submitted
Letter	☐ Your Use	Approved as Noted
☐ Prints	As Requested	Returned After Loan
Change Order	Review and Comment	Resubmit
□ Plans		☐ Submit
☐ Samples	SENT VIA:	Returned
Specifications	Attached	Returned for Corrections
Other:	☐ Separate Cover Via:	Due Date.

ITEM NO. COPIES DATE

ITEM NUMBER

REV. NO. DESCRIPTION

STATUS

1 8/15/2012

COR #010 package revision

NEW

Remarks: Attached is one (1) hard copy of change order request (COR) #010 (MOS - Demo PGE duct bank / SF City 911 fiber optic lines). This package has been revised per the latest mutual agreements between SFMTA, BIH and Synergy. The package is ready for distribution to PGE as requested by the SFMTA.

CC:

lack William Spailele



BARNARD IMPREGILO HEALY JOINT VENTURE

420 Fourth Street San Francisco, CA 94107, PH (415) 546-0799, FX (415) 546-3822

Third Street Lightrail Program Phase 2 - Central Subway Project **CONTRACT 1252**

8/15/2012

COR 010: MOS - Demo PGE duct bank / SF city 911 fiber optic line

AWSS Conflict - T&M Mark-up Summary

Direct Costs	Totai
Labor	\$0.00
Labor Markup at Specified 20%	\$0.00
Equipment	\$0.00
Equipment Markup at Specified 15%	\$0.00
Materiais	\$0.00
Materiais Markup at Specified 15%	\$0.00
Other items And Expenditures	\$0.00
Other items And Expenditures Markup at Specified 15%	\$0.00
Subcontractors	\$4,604.12
Contractors Markup at Specified 5%	\$230.21
Total Project Costs	\$4,834.33
BIHJV Payment & Performance Bonds & Bullder's Risk insurance (1.68%)	\$81.22
Contractors Markup at Specified 5%	\$4.06
Total Bonds & insurance costs	\$85.28
Total Amount	\$4,919.60

8/23/12



BARNARD IMPREGILO HEALY JOINT VENTURE

420 Fourth Street San Francisco, CA 94107, PH (415) 546-0799, FX (415) 546-3822

CHANGE ORDER REQUEST Third Street Light Rail Phase 2 – Central Subway Project Contract No. 1252

COR: 010

DATE: August 15, 2012

TITLE: MOS - Demo PGE duct bank / SF city 911 fiber optic line

Issues:

Synergy discovered a PGE duct bank that contained a live San Francisco 911 fiber optic line that was in conflict with the north Moscone headwall. This line was not shown on the contract drawings which constitutes a differing site condition. PGE requested that Synergy demolish this duct bank for a LS price not to exceed \$5000.

Impacts:

Synergy's crew spent a full day to demolish the PGE duct bank and expose the San Francisco city 911 fiber optic lines. The cost of this work is summarized on the labor and material page included in this COR.

Scope:

This COR includes costs incurred to perform the additional work outlined above. A detailed breakdown of these costs includes:

1.) Demolish PGE duct bank and expose San Francisco city 911 fiber optic line: Synergy's crew spent one full day performing the demolition and disposal of an existing concrete PGE duct bank. The crew concurrently exposed the San Francisco 911 fiber optic line without damaging the line. Once exposed, San Francisco city crews re-routed this line away from the north headwall location eliminating the obstruction.

Time Impact Analysis (TIA):

A TIA will not be submitted for this COR as this differing site condition didn't impact the critical path of the project's CPM baseline schedule.

Exclusions:

This COR includes costs for only those items specifically described in the Scope section above.

Synergy Project Management, Inc.

30 Grant Avenue, Suite 300 San Francisco, CA 94108 Phone (415) 467-3000 Fax (415) 467-3001 www.SynergyPM.com



SFMTA 1252 Utilities Relocation Project

Date:

August 23, 2012

COR Title:

MOS - Demo PGE duct bank / SF City 911 fiber optic line

Change Order Request No.

10

Cost Summary	Direct Cost Subtotal	Overhead 8	Profit	Total
Labor	\$1,848.26	15%	\$277.24	\$2,125.50
Material	\$168.53	15%	\$25.28	\$193.81
Equipment	\$3,463.20	15%	\$519.48	\$3,982.68
Unit priced items	\$0.00	0%	\$0.00	\$0.00
Permits & Fees	\$240.00	5%	\$12.00	\$252.00
Subtotal	\$5,719.99			\$6,553.99
Bonds & Insurance	\$6,553.99	2.14%	\$140.26	\$140.26
Price reduction as agre	eed on PG&E email			-\$2,090.13
Total				\$4,604.12
Time Extension Requ	ested (in working days):		-	N/A

1. Spec. Reference;	N/A
2. Drawing Reference:	UD-402
3. What (Description):	Additional work to demo a duct bank that ran through an existing PG&E vault at the north MOS head wall, along with patching concrete of the vault. This duct bank contained a live San Francisco 911 communication line that was in conflict with the guide wall work. This line was not on the base contract drawings and constitutes a differing condition from what was shown at the time of bid. PG&E requested a price to remove the duct bank inside the PG&E vault and agreed to pay a lump sum of \$5000.00 (including SPM's and BIH's markup). SPM informed the SFMTA inspector of the work and cost and was instructed to submit a COR.
4. Where (Location):	4th Street between Howard and Folsom

8/23/2012

	Hourly rates:		58.93	79.88	79.88	58.93	33.29		33.12	33.12	83.50	66.43	35.62	142.51	4.07	9.48	4.34	
No.	Activity	Days	Foreman (L)	Foreman (OE)	Operators	Laborers	Drivers	Labor totals	Foreman Truck	Tool Truck	End Dump	3-Axel Truck	Air Compressor	Excavator	Triton Barriers	Steel Plates	Shoring Jacks	Eqmt. Totals
1	Mobilize equipment	0.06	-	1		2	1	115.52	1	1		1	1	1	30			216.45
	Set up traffic control	0.06		1		2	1	115.52	1	1	100	1	1	1	30			216.45
3	Demo 10'x3'x3' Duct Bank	0.63		1	_	2	1	1,155.16	1	1		1	1	1	30		_	2,164.50
	Patch Concrete @ vault walls	0.13	_	1	_	2	1	231.03	1	1		1	1	1	30	_	-	432.90
5	Remove traffic control triton barriers	0.06		1	-	2	1	115.52	1	1		1	1	1	30		_	216.45
6	De-mobilize, clean	0.06	-	1		2	1	115.52	1	1		1	1	1	30			216.45
7	De Indonize, dean								_	-			- 37	-1				
8													- 1					
9								-					- 11					
10																		
11								11			E.							
12																		
13																_		
14					- 1													
15			L															
)[
	Totals				11			1,848.26										3,463.20

8/23/2012

No.	Materials	Days	Qty	Unit	Unit Price	E	xtension
1				1 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -			
2	Repair Mortar (SikaTop123 kits)		4.00	EΑ	\$ 38.07	\$	152.28
3	 "						1 20
4							
5						_	
	Sub-total 1					\$	152.28
	Sales Tax @ 8.5%						12.94
_	Sub-total 2					\$	165.22
	Shipping @ 2%					\$	3.30
	Total					\$	168.53
	Unit priced items / Force Account		ITEM	RATE	QTY		xtension
1				_			
2						\$	
3				_		\$	
4				_		\$	
5						\$	-
6						\$	4
7						\$	
8						\$	-
9				n =		\$	- 1
10						\$	
	Additional overhead Costs for Time Extension		\$		-	\$	
	Total			-2-0	-	\$	
_	Permits and Fees/ Subscontractors	Times	Qty	Unit	Unit Price	E	xtension
1	Dump Fee		1.00	LS	\$ 240.00	\$	240.00
2	17				,		
3							
4							
5							
	Total	Ī				\$	240.00



On Jun 26, 2012, at 1:34 PM, Tom Reimer < reimer.rhf@gmail.com > wrote:

Donovan,

Michael Lightstone has given his approval for Synergy crews to demolish the concrete duct bank in new manhole 1495 on 4th street south of Howard.

The cost includes duct bank demo and debris removed and disposed of. North wall conduit ends cleaned amd south wall patched and conduits sealed (with the exception of the fiber conduit). As discussed; there is a live city 911fiber optic cable within this conduit bank that your crews must work around carefully to avoid damage. PG&E is not responsible for damages should any occur.

The force account charge to the 1252 job not to exceed \$5k including labor, equipment and materials.

Mike Denning is planning to have his crews reroute the city fiber on Thursday night provided your crews finish by mid day Thursday.

Please let me know by close of business today you have any objection.

Thanks,
Tom Reimer
E.E.I. contract electric inspector, PG&E
707 508-7408

Begin forwarded message:

From: "Lightstone, Michael" < MxLd@pge.com>

Date: June 26, 2012 1:18:26 PM PDT

To: "Tom @ RHF" < reimer.rhf@gmail.com>

Cc: "Hong, Richard T" < RTH7@pge.com>, "Evans, Kenny A" < KAE4@pge.com>

Subject: RE: Fiber work on 4th Street

Tom:

I approve our having Synergy complete the demo of this duct bank and charging the work to 1252.

Thanks.

Michael



CA 94134-3340

www.whitecapdirect.com

INVOICE NO. 17395913



TOTAL

TARTE TO NO

HULUKULIN

(1)



SHIP TO: CASH/ SYNERGY PROJECT NO CASH/ SYNERGY PROJ

150 EXECUTIVE PARK BLVD

SUITE 4750

SAN FRANCISCO CA 941343340 RECEIVED BY: TOWNY GASCA/AP

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QUOTATION SHEET

Date: 7/6/2012	Expires: 8/	6/2012	Page 1 of 1			
Attn: Ryan	Tel:		Fax:			
Company Name: Syner	any Name: Synergy Project Management					
Project Name: Central Subway Project (Job No. 1252)						
Project Site: San Franc	isco	F.O.B Plant Sit	t Site:			
MATERIALS DESCRIPTIO		ESTIMATED QUANTITY	PRICE PER UNIT			

per ton

per load

\$8.00 per ton

\$240 per load

CTB, ASPHALT/CONCRETE: LOADS MUST BE FREE OF WASTE, DEBRIS, REBAR, BRUSH, WEEDS, PLASTERBOARD, TRASH OR RUBBISH.

POSITIVELY NO HAZARDOUS WASTE ACCEPTED

Sand

Dump fees (conc/asphalt)

All prices are net per ton, not including tax. Payment due 30 days from the date of invoice. Please note that the items bid may be subject to price change after the quote expiration date. Brisbane Recycling Co., Inc. requires confirmation of low materials supplier from apparent low bidder no later than one (1) day after bid opening. Job material schedule outline is required two weeks before the start of the project and updating is required throughout. This is the responsibility of the contractor to keep Brisbane Recycling Co., Inc. fully updated on material needs on a daily basis if necessary. It is also the responsibility of the contractor and driver to correctly identify material and job description. Quote honored only if these conditions are signed by the contractor prior to the start of work.

SYNERGY PROJECT MANAGEMENT (Purchaser's Company Name)	BRISBANE RECYCLING CO., INC.
(Signature of Authorized Representative)	(Signature of Authorized Representative)
DATE SIGNED:	DATE SIGNED:

^{**} Quote is only valid for amount requested. Anything less will be priced accordingly.



Connecting people. Connecting communities.

SFMTA Contract No. 1252

Contractor:

Barnard Impregilo Healy JV

EVALUATION of MERIT

COR 029

Recommendation: Accept justification for merit of COR 029. Scaffolding not indicated on the contract drawings interfered with contract utility demolition and guidewall installation for the north Moscone headwall.

Facts: Utility demolition and guidewall construction for the north Moscone headwall could not commence until neighboring business Todco's scaffolding was removed. The scaffolding was not anticipated or indicated on the contract drawings and was properly permitted through SFDPW.

Rationale for COR: The purpose of the scaffolding is protection of pedestrians during window removal and replacement during renovation of Todco's buildings. The scaffolding, had to be removed to facilitate utility demolition and guidewall installation. (1252 construction was temporarily suspended for a three day period when window removal and replacement was being conducted by Todco's contractor.) When construction sequencing required that sidewalk pedestrian traffic be restored, the scaffolding had to be replaced.

Justification: The following additional activities were required to be performed in order to complete the utility demolition and guidewall installation; removal and replacement of Todco's scaffolding.

By:

Sarah Wilson

Resident Engineer

Configuration Management Board

Approval

Barnard Impregilo Healy JV

TRANSMITTAL No. 00586

PROJECT: Contract 1252 - Tunnels

DATE: 8/28/2012

TO:

SF Municipal Transportation Agency

821 Howard Street

San Francisco, CA 94103

REF: COR #029

MOS - Todco Scaffolding

Reimbursement

ATTN: Sarah H. Wilson

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☑ Approval	☐ Approved as Submitted
Letter	Your Use	Approved as Noted
☐ Prints	✓ As Requested	Returned After Loan
☐ Change Order	Review and Comment	☐ Resubmit
☐ Plans		☑ Submit
☐ Samples	SENT VIA:	Returned
☐ Specifications	☑ Attached	Returned for Corrections
Other:	☐ Separate Cover Via:	Due Date:

ITEM NO. COPIES DATE ITEM NUMBER REV. NO. DESCRIPTION STATUS

1 1 8/28/2012 COR #029 NEW

Remarks: Attached is one (1) hard copy of change order request (COR) #029 - (MOS - Todco Scaffolding Reimbursement).

CC:

Signed: Jack William Sucilsky

CHANGE ORDER REQUEST FORM

420 Fourth Street San Francisco, CA 94107, PH (415) 546-0799, FX (415) 546-3822

Third Street Lightrail Program Phase 2 - Central Subway Project CONTRACT 1252

10/9/2012

COR # 029: MOS Scaffolding

GENERAL:

The original change order request (COR) 029 package was submitted to the SFMTA prior to Barnard Impregilo Healy Joint Venture (BIHJV) being made aware that a specific COR form existed. BIHJV has completed and submitted this form retroactively as requested by the SFMTA in an effort to facilitate the processing of COR's.

DIRECT COST IMPACTS:

The direct cost impact is equal to \$1,717.83.

TIME IMPACTS:

There were no time impacts that will affect the critical path of the project in regards to this differing site condition.

WHAT (DESCRIPTION OF COR):

Additional costs incurred by BIHJV as a result of having to remove and replace a pedestrian canopy from the northwest Moscone sidewalk in order to allow utility demolition and headwall construction to commence. The presence of scaffolding equipment was not contemplated at the time of bid and constitutes a differing site condition. The SFMTA, BIH and Fine Line Construction mutually agreed to a price for this work as indicated on the Fine Line Construction Proposal dated June 14, 2012. Fine Line construction performed the work.

WHY (REASON FOR COR):

BIHJV was unable to perform utility demolition and headwall construction at the northwest Moscone headwall location due to the presence of scaffolding equipment, utilized by Fine Line Construction, located directly over the headwall. Fine Line Construction provided a quote to remove and replace the scaffolding equipment as required to allow BIHJV to commence work at this location.

WHERE (LOCATION/STATION):

The western sidewalk along Fourth Street near Clementina Street between CTL station 153+00 to CTL station 153+20.

WHEN (OCCURRENCE DATE, ACTION DATE):

Fine Line Construction prepared a proposal for this work dated June 14, 2012. The scope of work was performed during the week of June 14, 2012.

HOW (RECOMMENDATION OF ACTION):

BIH paid Fine Line Construction the amount indicated on the Fine Line Construction invoice Proposal #1, Job #6011, dated June 14, 2012. The SFMTA agreed to reimburse BIHJV for this cost prior to BIHJV incurring this cost.

SPEC REF: Technical Specifications Section 02 41 00 (Demolition)

APPLICABLE DRAWINGS: Volume 1 dwg UD - 402

Jack Sucilsky

Project Engineer



BARNARD IMPREGILO HEALY JOINT VENTURE

420 Fourth Street San Francisco, CA 94107, PH (415) 546-0799, FX (415) 546-3822

CHANGE ORDER REQUEST Third Street Light Rail Phase 2 – Central Subway Project Contract No. 1252

COR: 029

DATE: August 28, 2012

TITLE: MOS - Todco Scaffolding Reimbursement

Issues:

This Change Order Request (COR) is for additional cost incurred by Barnard Impregilo Healy Joint Venture (BIHJV) as a result of having to remove and replace a pedestrian canopy from the northwest Moscone sidewalk in order to allow headwall construction to commence. The presence of scaffolding equipment was not contemplated at the time of bid and constitutes a differing site condition. The SFMTA, BIH and Fine Line Construction mutually agreed to a price for this work as indicated on the Fine Line Construction Proposal dated June 14, 2012.

Impacts:

BIHJV was unable to commence construction at the northwest Moscone headwall location due to the presence of scaffolding equipment, utilized by Fine Line Construction, located directly over the headwall. Fine Line Construction removed and will replace the scaffolding equipment once BIHJV completes headwall work at this location.

Scope:

This COR includes costs incurred by BIHJV as outlined above. A detailed breakdown of these costs includes:

1.) Removal and Replacement of Scaffolding Equipment:

Fine Line Construction removed and will replace the scaffolding equipment that was in conflict with the northwest Moscone headwall construction for the price indicated on the June 14, 2012 proposal. BIHJV paid for Fine Line Construction to perform this work. The SFMTA agreed to reimburse BIHJV for this cost.

Time Impact Analysis (TIA):

BIHJV will not to submit a TIA for this differing site condition as it did not impact the project's critical path.

Exclusions:

This COR includes costs for only those items specifically described in the Scope section above.



BARNARD IMPREGILO HEALY JOINT VENTURE

420 Fourth Street San Francisco, CA 94107, PH (415) 546-0799, FX (415) 546-3822

Third Street Lightrail Program Phase 2 - Central Subway Project CONTRACT 1252

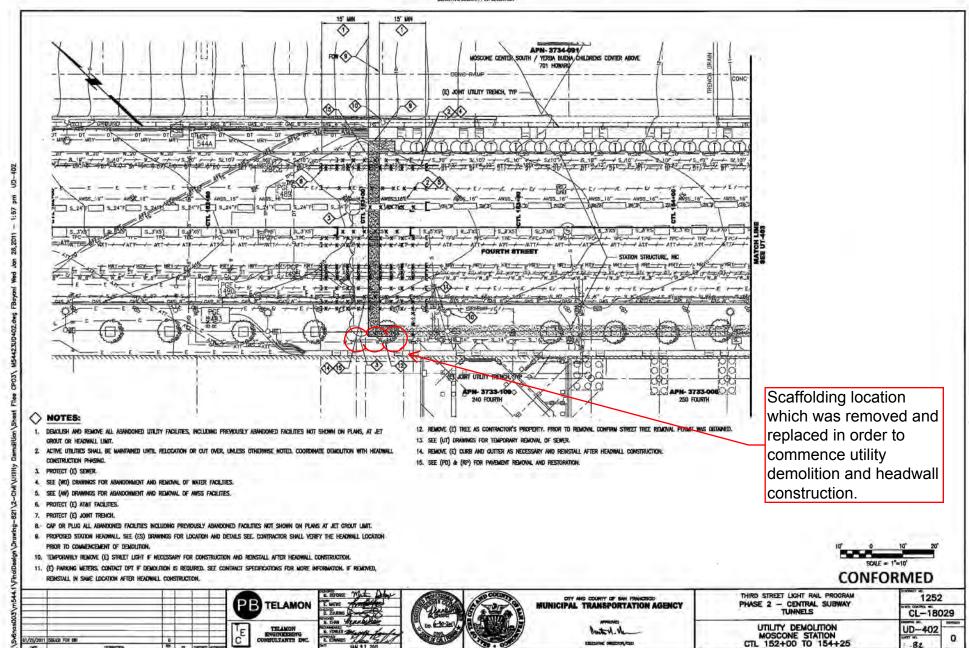
10/9/2012

COR 029: MOS - Todco Scaffolding Reimbursement

Conflict - T&M Mark-up Summary

Direct Costs	Total
Labor	\$0.00
	*
Labor Markup at Specified 15%	\$0.00
Equipment	\$0.00
Equipment Markup at Specified 15%	\$0.00
Materials	\$0.00
Materials Markup at Specified 15%	\$0.00
Other Items And Expenditures	\$0.00
Other Items And Expenditures Markup at Specified 15%	\$0.00
Subcontractors	\$1,609.00
Contractors Markup at Specified 5%	\$80.45
Total Project Costs	\$1,689.45
BIHJV Payment & Performance Bonds & Builder's Risk Insurance (1.68%)	\$28.38

Total Amount \$1,717.83



FINE LINE CONSTRUCTION 943 HOWARD STREET SAN FRANCISCO, CA 94103

Proposal No. 1

Owner Representative: Michael Neumann

Job #: (

6011

Project Name & Location: Woolf House Apartments 801 Howard Street

DATE:

06/14/12

Fine Line Construction hereby submits an authorization for a change in the scope of work as covered under the contract documents. The description and cost of the proposed change is outlined below.

If this request is found to be satisfactory, please sign and return authorization to our office, either by sending it to us by Fax at 415-512-7688, hand delivery, or mail.

DESCRIPTION & COST:

The attached change order represents the costs associated with:

Due to MTA side walk work: Removal of pedestrain canopy from sidewalk at the TODCO offices to Clemintena. Reinstall 20' of pedestrian canopy after MTA work is complete.

NOTES & CLARIFICATIONS:

*** This change order is inclusive of only that which is mentioned .

PRICE:

\$1,609

REQUESTED EXTENSION OF TIME: 0 <u>DAYS</u> Fine Line Construction reserves the right (o request a time extension at a later date should it be determined that the additional work in this change order created a time impact to the critical path of the contract schedule.

ATTACHMENTS:

Back up sheet and....

*** Work will not proceed without written authorization/CHANGE ORDER

Fine Line Construction

California License No. 451707 Copy to:

Approved By:

Submitted by: Doree Friedman

Title: ______

Title: Project Manager

Date:

Date: 06/14/12

UPON AUTHORIZED SIGNATURE, RETURN ONE COPY TO Fine Line Construction

File

<u>t</u>	Proposal	1		
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SCOPE OF WORK				

Due to MTA side walk work: Removal of pedestrain canopy from sidewalk at the TODCO offices to Clemintena. Reinstall 20' of pedestrian canopy after MTA work is complete.

SUBCONTRACTOR (S)		CSI#			3	AMOUNT
MJ Buttler Scaffold		Removal of	canopy			\$ 780.00
MJ Buttler Scaffold		install 20' of	canopy			\$ 580.00
					<u> </u>	
			<u> </u>	SUB	SUBTOTAL	\$1,360.00
SUPPLIER(S)		ITEMS	<u>. </u>	-		ψ1/000.00
SOFF EILI(S)	<u> </u>	TT LIVIO		-		
				 		
			<u> </u>	SUPPL	IER SUBTOTAL	\$0.00
					JPPLIER TOTAL	\$1,360.00
FLC Work Description:		<u> </u>	<u> </u>	008/00		ψ1,000.00
LABOR	QTY	HRS	RATE			
LABORER	0	HRS @	\$55.52			\$0.00
CARPENTER		HRS @	\$77.37			\$0.00
CARPENTER-FMN		HRS @	\$82.41			\$0.00
ASST SUPERINTENDENT		HRS @	\$90.94	İ		\$0.00
SUPERINTENDENT	0	HRS@	\$96.65			\$0.00
ROOFER	0	HRS@	\$63.69			\$0.00
ASST PROJECT MANAGER	0	HRS @	\$91.78			\$0.00
PROJECT MANAGER	0	HRS @	\$167.87			\$0.00
MATERIAL/EQUIPMENT			-			
				1		\$0.00
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General Conditions		Days		E		i \$0.00
General Conditions	1 0	Juays	 	FLC	SUBTOTAL	\$0.00
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CHANGE ORDER	DIRECT O	OSTS	<u>:</u>	1	\$1,360.00	
INSURANCE @ 2.		1	:		\$30.60	
CITY TAX @ .04%		<u> </u>	1		\$0.54	1
BOND @1%	+	-			\$13.60	+
CONTRACTORS	FEE @ 15%	6	1	-	\$204.00	1
55.111.1151.51101	<u> </u>	Ī	1	_	7	
	Pr	oposal	1	 	TOTAL	\$1,609



51 San Gabriel Drive, Fairfax, CA 94930 • Tel (415) 457-7725 • Fax (415) 457-7703 • Lic# 674446	<u> </u>
To: FINE LINE CONSTRUCTION Date: 6/14/12 943 HOWARD STREET 5001 FROANCIECO CA 00102	
SAN FRANCISCO CA. 94103 Contact: PADLO FRIEDMAN	
Contact: PADLO FRIED MAN Telephone: (415) - 512 - 7677 Fax: (415) 512 - 7	1688
Project Name: REINSTALL PEDESTRIAN CANODY Address: 801 HOWARD ST. SAN FRANCISCO CA. (4TH ST.	SIDE)
Bid date: 6/14/12	
SCAFFOLDING CONTRACT	_
M.J. Buttler, Incorporated (the "Company") and FINE LINE CONSTRUCTION "Customer"), enter into this Contract in which the Company will provide equipment, rental, or pur and/or labor under the terms set for below:	
1. Job Description FURNISH & ERECT PEDESTRIAN CANOPY SCAF 20 Lineal FEET.	<u>F</u> 6L0
•	
·	
2. Price and Payment Terms FIRST MONTH (28 DAYS) 58	30,00
	30.00
TERMS - SEE BELOW	Secretary of the second
Company will invoice Customer on a monthly basis. Payments not received by company within 15 days invoice date will be delinquent. In the event a payment becomes delinquent, Customer shall pay a late fee and one-half percent (1 ½%) per month, and Company may, in addition to any other remedies available und Contract or by law, enter upon the premises where the Equipment is located and repossess it without legal pro	of one der this

3. General Terms and Conditions:

The following circled items apply to this Contract

- a. Permits by Customer
- b. Relocation of electrical power lines by customer
- c. M.J. Buttler, Inc. current insurance policies in effect. Additional insurance and or endorsements, if available will cost extra.
- d. Base conditions assumed strong enough for imposed scaffold loads. Compaction and or shoring of base areas by customer.
- e. Patching of scaffold ties by customer
- f. Damage exclusions including but not limited to personal property (vehicles, art work and miscellaneous items), fixed improvements, (landscaping, driveways, sidewalks, plumbing, electrical, roofing, walls and miscellaneous items). M.J. Buttler, Inc. will exercise reasonable care while working on or around the above-mentioned items and M.J. Buttler, Inc. must be held harmless for damage.

4. Warranty Disclaimer

Company makes no warranties, express or implied, as to the merchantability of the Equipment or its fitness for any particular purpose, except Company warrants that the Equipment is in good condition when delivered.

5. Customer's Obligation / Indemnification

- (a) Customer is SOLELY RESPONSIBLE FOR THE SAFE AND PROPER USE, OPERATION, AND MAINTENANCE OF THE EQUIPMENT IN CONFORMITY WITH ALL APPLICABLE SAFETY STANDARDS, LAWS AND REGULATIONS, INCLUDING FEDERAL AND STATE O.S.H.A. REQUIREMENTS.
- (b) Customer shall inspect all Equipment delivered pursuant to this Contract, and shall notify Company and confirm in writing within two days of delivery if the Equipment or any part thereof, was not delivered in good condition and repair, or clean and free of hazardous material contamination. In the absence of such notification and written confirmation, Equipment delivered to Customer pursuant to this Contract will be deemed accepted by Customer and acknowledged to be in good condition and repair and clean and free of hazardous material contamination. Hazardous material contamination includes, but is not limited to asbestos, and any other substances deemed toxic or hazardous under local, state or federal law.
- (c) Customer shall not modify or alter any rented Equipment without the prior written consent of the Company. The terms "modify" and "alter" shall include, but are not limited to cutting or removing scaffold ties, draping or otherwise covering the scaffolding, or any other act that would undermine the base support and / or structural integrity of the scaffolding.
- (d) Except for the intentional misconduct of the Company, Customer agrees to defend, hold harmless and indemnify Company, its agents, employees, directors and shareholders from any and all claims, lawsuits, damages, liabilities, and expenses (including attorneys fees) which relate to or arise out of the Equipment and its erection, use, operation, maintenance, possession, or dismantling.

6. Customer's Breech

If Customer breeches this Contract, including the General Terms and Conditions, Company shall have the right:

(a) to terminate this Contract; (b) to declare the entire rental or purchase price, as applicable, immediately due and payable, and to pursue all legal remedies to obtain payment thereof; (c) to enter upon the premises where the Equipment is located and to repossess it without legal process; (d) seek indemnification from Customer for detriment caused to Company on account of said breech; or (e) to pursue any further remedies legally available to Company.

7. Notification

Customer shall notify Company immediately, but not more than twelve (12) hours after, the disappearance or thest of the Equipment, or any injury to person or property which is claimed or appears to involve the Equipment at the telephone number set forth above, or in such a manner as the Company shall from time to time direct.

8. Miscellaneous

- (a) This Contract shall be interpreted according to California law. Any proceedings to enforce or interpret or otherwise arising out of this Contract, shall be in Marin County, California, and the prevailing party shall be entitled to recover reasonable attorney fees.
- (b) Contractors are required by law to be licensed and regulated by the Contractor State License Board, which has jurisdiction to investigate complaints against contractors if a complaint regarding a patent act or omission is filed within four years of the date of the alleged violation. A complaint regarding a latent act or omission pertaining to structural defects must be filed within 10 years of the date of the alleged violation. Any questions concerning the contractor may be referred to the Registrar, Contractors State License Board, Post Office Box 26000, Sacramento, California 95826.

9. License Information

State law requires anyone who contracts to do construction work to be licensed by the Contractors State License Board in the license category in which the contractor is going to be working — if the total price of the job is \$500.00 or more (including labor and materials).

Licensed contractors are regulated by laws designed to protect the public. If you contract with someone who does not have a license, the Contractors State License Board may be unable to assist you with a complaint. Your only remedy against an unlicensed contractor may be in civil court, and you may be liable for damages arising out of any injuries to the contractor or his or her employees.

You may contact the Contractors State License Board to find out if this contractor has a valid license. The Board has complete information on the history of licensed contractors, including any possible suspensions, revocations, judgments, and citations. The Board has offices throughout California. Please check the government pages of the White Pages for the office nearest you or call 1-800-321-CSLB for more information.

ACCEPTANCE OF CONTRACT: The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above. It is understood and agreed that this is work not provided for in any other agreement and no contractual rights arise until this Contract is accepted in writing.

"Custome	er"	
Name:		
Rv.		
	Print	Name
	,	
Address:_		
_		
Date:		
	Name:	By: Print Address:



Dear Valued Customer:

Thank you for selecting MJ Buttler Incorporated for your scaffolding needs. The following information is provided so you may clearly understand our business operations, policies and procedures.

Contract - The MJ Buttler Incorporated contract and related documents including job specific terms and conditions must be signed before work commences.

Construction / Safety — Physical construction will be as specified in the MJ Buttler Incorporated contract and related documents. California OSHA and any specific city ordinances govern our work and safety standards. Safety considerations will be paramount and always take priority over all other aspects of the project.

Billing – Terms are COD. Invoices are due in advance of each rental month. First Month (28 days or less)

Each month thereafter (28 days)

Last month is amortized to the day

Scheduling / Work Conditions - MJ Buttler Incorporated and its crew are able to work under most conditions except rain, ice, high wind or dangerous activities. In addition, minimum clearance to PG&E high voltage lines must be met and no exceptions will be made.

Permits - Customer must obtain permits at their expense if required.

We look forward to doing business with you.

Sincerely.

51 Gabriel Drive, Fairfax, CA 94930 Phone (415) 457-7725 / Fax (415) 457-7703



DATE: 10/14/12
TO: FINE LINE CONSTRUCTION
943 HOWARD STREET
SAN FRANCISCO CA 94103
Attention: MANDY GROSSI
Fax Number: (415) 512-7688
Phone Number: (415) 512 - 7677
FROM: Michael Buttler
Fax Number: 415-457-7703
Phone Number: 415-457-7725
Number of Pages Including this Cover:
Reference: PROPOSALS/CONTRACTS FOR ADDITIONAL
WORK ON PEDESTRIAN CANOPY
Comments:
MANDY - HERE IS MY PRICE FOR THE WORK
YOU DESCRIBED IN YOUR & MAIL DATED 6/13/12.
I WILL FOLLOW UP WITH A CHANGE ORDER IF YOU GO
MILEDO LIFELL THE HARDER BEET REGARDED

M.J. Buttler,Inc., 51 San Gabriel Drive, Fairfax. CA 94930 Lic# 674446 Tel (415) 457-7725 ♦ Fax (415) 457-7703



51 San Gabriel Drive, Fairfax, CA 94930 • Tel (415) 457-7725 • Fax (415) 457-7703 • Lic# 674446
To: FINE LINE CONSTRUCTION Date: 6/14/12 943 HOWARD STREET SAN FRANCISCO CA 94103
Contact: DAOLO FRIEDMAN
Telephone: (415) 512 - 7677 Fax: (415) 512 - 7688
Project Name: REMOVE PEDESTRIAN CANOPY
Address: 801 HOWARD ST SANFRANCISCO (4TH ST. SIDE)
Bid date: 6/14/12
M.J. Buttler, Incorporated (the "Company") and FINE LINE CONSTRUCTION (the "Customer"), enter into this Contract in which the Company will provide equipment, rental, or purchase and/or labor under the terms set for below: 1. Job Description
REMOVE PEDESTRIAN CANOPY FROM TOD CO OFFICE
TO CLEMINTENA (4TH ST. SIDE).
BIO CONDITIONS: NONE
:
2. Price and Payment Terms FIRST MONTH NO RENT LABOR ONLY TERMS - SEE BELOW
Company will invoice Customer on a monthly basis. Payments not received by company within 15 days of the invoice date will be delinquent. In the event a payment becomes delinquent, Customer shall pay a late fee of one

and one-half percent (1 1/2%) per month, and Company may, in addition to any other remedies available under this Contract or by law, enter upon the premises where the Equipment is located and repossess it without legal process.

3. General Terms and Conditions:

The following circled items apply to this Contract

- a. Permits by Customer
- b. Relocation of electrical power lines by customer
- c. M.J. Buttler, Inc. current insurance policies in effect. Additional insurance and or endorsements, if available will cost extra.
- d. Base conditions assumed strong enough for imposed scaffold loads. Compaction and or shoring of base areas by customer.
- e. Patching of scaffold ties by customer
- f. Damage exclusions including but not limited to personal property (vehicles, art work and miscellaneous items), fixed improvements, (landscaping, driveways, sidewalks, plumbing, electrical, roofing, walls and miscellaneous items). M.J. Buttler, Inc. will exercise reasonable care while working on or around the above-mentioned items and M.J. Buttler, Inc. must be held harmless for damage.

4. Warranty Disclaimer

Company makes no warranties, express or implied, as to the merchantability of the Equipment or its fitness for any particular purpose, except Company warrants that the Equipment is in good condition when delivered.

5. Customer's Obligation / Indemnification

- (a) Customer is SOLELY RESPONSIBLE FOR THE SAFE AND PROPER USE, OPERATION, AND MAINTENANCE OF THE EQUIPMENT IN CONFORMITY WITH ALL APPLICABLE SAFETY STANDARDS, LAWS AND REGULATIONS, INCLUDING FEDERAL AND STATE O.S.H.A. REQUIREMENTS.
 - (b) Customer shall inspect all Equipment delivered pursuant to this Contract, and shall notify Company and confirm in writing within two days of delivery if the Equipment or any part thereof, was not delivered in good condition and repair, or clean and free of hazardous material contamination. In the absence of such notification and written confirmation, Equipment delivered to Customer pursuant to this Contract will be deemed accepted by Customer and acknowledged to be in good condition and repair and clean and free of hazardous material contamination. Hazardous material contamination includes, but is not limited to asbestos, and any other substances deemed toxic or hazardous under local, state or federal law.
 - (c) Customer shall not modify or alter any rented Equipment without the prior written consent of the Company. The terms "modify" and "alter" shall include, but are not limited to cutting or removing scaffold ties, draping or otherwise covering the scaffolding, or any other act that would undermine the base support and / or structural integrity of the scaffolding.
 - (d) Except for the intentional misconduct of the Company, Customer agrees to defend, hold harmless and indemnify Company, its agents, employees, directors and shareholders from any and all claims, lawsuits, damages, liabilities, and expenses (including attorneys fees) which relate to or arise out of the Equipment and its erection, use, operation, maintenance, possession, or dismantling.

6. Customer's Breech

If Customer breeches this Contract, including the General Terms and Conditions, Company shall have the right:
(a) to terminate this Contract; (b) to declare the entire rental or purchase price, as applicable, immediately due and payable, and to pursue all legal remedies to obtain payment thereof; (c) to enter upon the premises where the Equipment is located and to repossess it without legal process; (d) seek indemnification from Customer for detriment caused to Company on account of said breech; or (e) to pursue any further remedies legally available to Company.

7. Notification

Customer shall notify Company immediately, but not more than twelve (12) hours after, the disappearance or theft of the Equipment, or any injury to person or property which is claimed or appears to involve the Equipment at the telephone number set forth above, or in such a manner as the Company shall from time to time direct.

8. Miscellaneous

- (a) This Contract shall be interpreted according to California law. Any proceedings to enforce or interpret or otherwise arising out of this Contract, shall be in Marin County, California, and the prevailing party shall be entitled to recover reasonable attorney fees.
- (b) Contractors are required by law to be licensed and regulated by the Contractor State License Board, which has jurisdiction to investigate complaints against contractors if a complaint regarding a patent act or omission is filed within four years of the date of the alleged violation. A complaint regarding a latent act or omission pertaining to structural defects must be filed within 10 years of the date of the alleged violation. Any questions concerning the contractor may be referred to the Registrar, Contractors State License Board, Post Office Box 26000, Sacramento, California 95826.

9. License Information

State law requires anyone who contracts to do construction work to be licensed by the Contractors State License Board in the license category in which the contractor is going to be working – if the total price of the job is \$500.00 or more (including labor and materials).

Licensed contractors are regulated by laws designed to protect the public. If you contract with someone who does not have a license, the Contractors State License Board may be unable to assist you with a complaint. Your only remedy against an unlicensed contractor may be in civil court, and you may be liable for damages arising out of any injuries to the contractor or his or her employees.

You may contact the Contractors State License Board to find out if this contractor has a valid license. The Board has complete information on the history of licensed contractors, including any possible suspensions, revocations, judgments, and citations. The Board has offices throughout California. Please check the government pages of the White Pages for the office nearest you or call 1-800-321-CSLB for more information.

ACCEPTANCE OF CONTRACT: The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above. It is understood and agreed that this is work not provided for in any other agreement and no contractual rights arise until this Contract is accepted in writing.

M.J. Buttler, Incorporated 51 San Gabriel Drive	"Custom Name:	er"	
Fairfax, CA 94930	By:		
By: No. 674446	2 3	Print	Nam
Michael J. Buttlet, President	Address:		
Date: 6/14/12	-		
	Date:		



Dear Valued Customer:

Thank you for selecting MJ Buttler incorporated for your scaffolding needs. The following information is provided so you may clearly understand our business operations, policies and procedures.

Contract – The MJ Buttler Incorporated contract and related documents including job specific terms and conditions must be signed before work commences.

Construction / Safety – Physical construction will be as specified in the MJ Buttler Incorporated contract and related documents. California OSHA and any specific city ordinances govern our work and safety standards. Safety considerations will be paramount and always take priority over all other aspects of the project.

Billing – Terms are COD. Involces are due in advance of each rental month, First Month (28 days or less)
Each month thereafter (28 days)
Last month is amortized to the day

Scheduling / Work Conditions – MJ Buttler incorporated and its crew are able to work under most conditions except rain, ice, high wind or dangerous activities. In addition, minimum clearance to PG&E high voltage lines must be met and no exceptions will be made.

Permits - Customer must obtain permits at their expense if required.

We look forward to doing business with you.

Wich ad

Sincerely.



Connecting people. Connecting communities.

CHANGE ORDER REQUEST NUMBER 21

SFMTA Contract No. 1252

Contractor: Central Subway Tunneling

Barnard Impregilo Healy JV

PO Box 78270

San Francisco, CA 94107

SUMMARY RECORD OF NEGOTIATIONS (COR #21)

Timeline of Negotiations:

SFMTA and Barnard Impregilo Healy JV (BIH) held a number of discussions regarding a reduction in the 1252 UMS activity durations which would mutually benefit SFMTA and BIH. On 04/06/2012 SFMTA received a letter dated 04/02/2012 from Barnard Impregilo Healy JV (BIH) on behalf of their subcontractor Condon Johnson & Associates (CJA) outlining their proposal to "Reduce the UMS construction duration." This letter was followed by further letter correspondence and meetings, and the parties eventually agreed to the following:

- Elimination of Surface Restoration Work: Eliminate street (PCC street base with 2" of AC wearing course) and sidewalk surface (3.5" PCC sidewalk along with associated curb, gutter and tactile warning strip quantities) restoration work requirements contained on Contract plan pages RP-112 and RP-113.
- Utility Protection Work: Monitoring of AT&T Vault #124 as required to detect and mitigate any possible settlement and resulting damage. Additionally, potholing/chipping/bundling of AT&T ductbanks within headwall areas to protect live utilities.
- Modified Full Closure of Stockton Street: Modify Contract traffic control plans and specifications so as to allow for the full closure on Stockton Street to all vehicular traffic. The modified traffic control plan along Stockton Street is attached for reference. Implementation of these changes will replace traffic control plans as indicated on Contract plan pages TR-011 through TR-012 and TR-015 through TR-016. This closure will remain in effect throughout the Contractor's excavation and ground support phase as well as during the jet grouting phase, and headed construction.
- Modifications to Jet Grouting Procedures: Current Contract specifications stipulate that "jet grouting shall be installed after secant/tangent pile headwall is in place" (Section 31 62 13.15 3.05 A). This Contract Modification eliminates this Contract requirement thereby permitting installation of jet grouting prior to completion of headwalls. This Contract Modification also eliminates the Contract requirement that the spoils from the jet grouting procedure be disposed of offsite. In lieu of offsite dumping, the Contractor shall construct temporary spoil pits within the construction area.
- Contractor's Use of BART Annex: Permit the Contractor to use the BART Annex as a temporary construction office and/or material storage area.

Conditions of Change Associated with COR No. 21:

- ROPER TO ART. 5 OF GENERAL PROVISIONS Any remaining CN 1252 work not completed within the modified time frame indicated herein shall be performed in a work area adjacent to, and possibly shared by, the 1253 UMS Station contractor.
- Stockton Street shall be completely closed beginning 7.30.2012 and remain closed through the completion of jet grouting and UMS headwall construction (exclusive of the moratorium period).
- A portion of Ellis Street shall be closed beginning 7.30.2012 and remain closed thru the completion





Summary Record of Negotiations Contract 1252 Change Order Request No. 21 Page 2 of 3

of the related compensation grouting works (exclusive of the moratorium period). One 14 foot lane in the eastbound direction shall be open at all times for through traffic.

- Access for emergency vehicles on Stockton Street will be maintained at all times. Provide 14-foot emergency access for the San Francisco Fire Department.
- No restoration work will be required except that during the moratorium period, non-skid recessed steel plates will be used to cover the excavation area and will be properly inspected and maintained.
 If there is a lag between Contracts 1252 and 1253, street restoration will be required.
- Restriping of cross walks and relocation of pedestrian signals will be required at O'Farrell Street and Geary Street. Traffic signs and devices will be restored after completion of the headwall.
- BIH will be allowed to construct trench(es) for disposal of jet grout spoils which will run lengthwise
 down Ellis and Stockton Street. The jet grout spoils will be removed and the trench will be backfilled
 with spoils from the Ellis Street Shaft excavation unless the spoils are classified at a higher (more
 hazardous) classification than the material that was removed to construct the trench.
- The annexed portion of the BART station shall be made available to BIH no later than 09.30.12, a pending approval of the agreement between SFMTA and BART, for use as a storage and staging area for sensitive equipment and as a field office. BIH shall address the requirements of the BART Temporary Wall Permit, including but not limited to: providing pre- and post- construction surveys of the area; constructing a 2 hour fire rated wall with ½" fire treated plywood (painted finish) full height over wall assembly on the BART side (as detailed in the BART permit application) to prevent the public from entering the work site; physically sealing the area by the end of the second day (Day 2) after taking possession of the site, temporarily sealing any opening (such as with heavy duty plastic) until the wall is fully sealed by Day 2; and covering and protecting the existing escalators with plywood and heavy duty plastic as directed by the Engineer. The SFMTA will provide utilities for office lighting, power and fire sprinklers during the time period that the Contractor utilizes the annex area not to exceed 242 days after NTP for the 1253 UMS Contract. No utility service is provided for any construction activity.
- BIH will interface with CB2, The Jazz Café, The Apple Store, Ghirardelli, Ferrari and other businesses as required to coordinate deliveries on Ellis and Stockton Streets.
- Jet grout may be installed to encompass the entire secant footprint such that secants will achieve full contact with the jet grout. BIH is permitted to improve the ground between specified jet grout cut-off and the surface elevation only for those columns that encompass secant piles, and BIH is permitted to install jet grout prior to secant pile installation. The ground improvement shall not exceed 700 psi compressive strength inside the UMS station footprint. BIH is responsible for cost or schedule consequences related to extra time, effort, and cost required to install initial ground support elements and excavate through the ground improved by jet grouting.
- Any required traffic control in addition to what is currently required by the contract shall be reimbursed by the SFMTA.
- In order to protect AT&T and Qwest utilities within the jet grout footprint, special bundling and casing
 of existing conduits will be required prior to jet grout activities. Casing through existing utility vaults to
 accommodate jet grouting without filling vaults with grout may be required.
- SFMTA authorizes BIH to perform preparatory and utility work necessary for the Union Square/Market Street Station (UMS).





Summary Record of Negotiations Contract 1252

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Change Order Request No. 21 Page 3 of 3

Time Impact Associated with COR No. 21:

	e reduced UMS duration proposal contained within COR No he Contract substantial completion date is not affected by the	
Negotiated Cost		

This change order carries no cost change.

Cost Analysis

The Engineer's Estimate of the net value of additions to the contract scope is \$8,026.09.

Ву:			By:	
	Ben Campbell	Date	Sarah Wilson	Date
	Barnard Impregilo Healy JV		Resident Engineer	

