



**Board Report**

**File #:** 2015-1596, **File Type:** Contract

**Agenda Number:** 26.

**CONSTRUCTION COMMITTEE  
NOVEMBER 19, 2015**

**SUBJECT: DIVISION 13 BUS OPERATIONS AND MAINTENANCE FACILITY (DIVISION 13)  
CONSTRUCTION CONTRACT**

**ACTION: INCREASE CONTRACT MODIFICATION AUTHORITY**

**RECOMMENDATION**

AUTHORIZING an increase in Contract Modification Authority (CMA) to Contract No. C0974 with **McCarthy Building Companies for Division 13 Bus Operations and Maintenance Facility** in the amount of \$1,000,000, increasing the total CMA from \$18,512,000 to \$19,512,000. This action does not affect the FY2016 or Life of Project budget.

**ISSUE**

This action is required to provide additional funding to issue Contract Modifications for construction of Division 13 and not delay final completion scheduled for December 2015.

**DISCUSSION**

The volume of construction change orders is depleting the CMA and is directly related to design-related changes. Numerous design errors and omissions caused significant impacts in McCarthy's planned construction effort, resulting in above industry-standard construction change orders and requiring additional redesign effort from the designer-of-record, Maintenance Design Group (MDG), to correct design-related changes. The design disciplines that have been the most problematic include mechanical, electrical and plumbing. The project team estimates that design-related changes amounted to approximately \$10,445,141 in additional costs, or approximately 14% of the original contract value. These costs were also absorbed by the project contingency as identified in the attached Contract Modification/Change Order Log (Attachment B). Metro has evaluated all design-related changes related to this project, have retained counsel, and are actively pursuing an Errors and Omissions claim to recover these costs from the designer-of-record, its subcontractors and/or their insurers.

**DETERMINATION OF SAFETY IMPACT**

This Board action will not have an impact on established Metro safety standards.

### **FINANCIAL IMPACT**

The funding for this change order will come from the Division 13 budget, Capital Projects 202001. There are sufficient funds within the Life-of-Project (LOP) budget for this expenditure, and the LOP for the project will not be changed. This is a multi-year project. The Project Manager and Executive Director, Program Management will be responsible for budgeting future costs.

#### **Impact to Budget**

The source of funds for this action is already included within the Division 13 contingency budget. No additional funds are being requested.

### **ALTERNATIVES CONSIDERED**

The Board may choose not to authorize an increase to the Contract Modification Authority for Contract C0974. This alternative is not recommended because without additional CMA, Division 13 would not have additional funding to process construction change orders with McCarthy. This would significantly delay staff from completing this much needed bus maintenance and operations facility while the project is under construction.

### **NEXT STEPS**

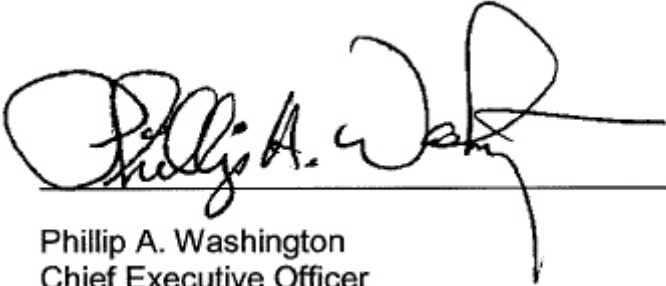
Upon Board approval, Metro's project team will continue to work diligently processing and negotiating construction change orders with McCarthy within the revised Contract Modification Authority. Division 13 is scheduled to begin revenue operations in January 2016.

### **ATTACHMENTS**

Attachment A - Procurement Summary  
Attachment B - Contract Modification/Change Order Log  
Attachment C - DEOD Summary

Prepared by: Manuel Gurrola, Project Manager, (213) 922-8889  
Tim Lindholm, Executive Officer, Capital Projects, (213) 922-7297

Reviewed by: Ivan Page, Interim Executive Director, Vendor/Contract Management (213) 922-6383  
Richard Clarke, Executive Director, Program Management, (213) 922-7557



Phillip A. Washington  
Chief Executive Officer

## PROCUREMENT SUMMARY

## DIVISION 13 BUS MAINTENANCE AND OPERATION FACILITY

1.	<b>Contract Number:</b> C0974		
2.	<b>Contractor:</b> McCarthy Building Companies, Inc.		
3.	<b>Work Description:</b> Increase Contract Modification Authority (CMA)		
4.	<b>The following data is current as of:</b> October 8, 2015		
5.	<b>Contract Status:</b>		
	<b>Bids/Proposals Opened:</b>	9/20/11	<b>Contract Award Amount:</b> \$73,364,803
	<b>Contract Awarded:</b>	4/30/12	<b>Total of Modifications Approved:</b> 185
	<b>NTP</b>	7/23/12	<b>Current Contract Value:</b> \$89,032,357
	<b>Original Complete Date:</b>	6/23/14	<b>Current Est. Complete Date:</b> 12/10/15
6.	<b>Contract Administrator:</b> Deborah Spottsville	<b>Telephone Number:</b> (213) 922-1040	
7.	<b>Project Manager:</b> Manuel Gurrola	<b>Telephone Number:</b> (213) 922-8889	

**A. Procurement Background**

On April 30, 2012, Contract No. C0974 was awarded to McCarthy Building Companies, Inc. (McCarthy), the lowest responsive and responsible bidder, in the amount of \$73,364,803, for construction of the Division 13 Bus Maintenance and Operations Facility.

Attachment B shows that 185 Contract Modifications have been negotiated and issued to date to add or delete scope of work, and 93 Contract Modifications are currently pending completion of negotiation.

**B. Cost/Price Analysis**

The price of any future changes will be determined to be fair and reasonable in accordance with Metro Procurement Policies and Procedures. The negotiation process will include, but not be limited to scope of work clarification, fact-finding, technical analysis, cost analysis and discussions. In addition Metro staff will complete Independent Cost Estimates on all merited changes prior to initiating change orders or contract modifications with McCarthy.

## CONTRACT MODIFICATION/CHANGE ORDER LOG

## DIVISION 13 BUS MAINTENANCE AND OPERATIONS FACILITY/C0974

Mod. No.	Description	Status	Cost
1	Reduce retention to 5%	Approved	\$0
2	Delete sound wall/add pedestrian gate PLA costs	Approved	\$27,662
3	Removal of unforeseen monitoring wells	Approved	\$12,438.98
4	Offsite AFC plans	Approved	\$0
5	Bus pad Non-compensable rain extension	Approved	\$27,821
6	Saturated soils at Metro Drive	Approved	\$14,278
7	Change in Allowance Language	Approved	\$0
8	Value Engineering Jellyfish Units	Approved	(\$72,487.82)
9	Demolition discrepancies water	Approved	\$6,778
10	Lubrication tank relocation	Approved	\$35,730
11	Bulletin 1 Plasma Cutter and VMC	Approved	\$301,999.
12	Irrigation lines for Bldg. 1	Approved	\$27,957.73
13	Backflow demolition and replacement	Approved	\$3,477.59
14	Bulletin 6 Adjustment to footing at Grid B-2	Approved	\$8,596.49
15	Administrative Changes	Approved	\$0
16	Adjustment to Quantities	Approved	\$463,818
17	Wiring and Phasing for ATS	Approved	\$7,382.
18	Shoring obstructions on Vignes St	Approved	\$21,911
19	BDP Switchboard Amperage	Approved	\$55,950
20	Existing street light conduits on Vignes St	Approved	\$10,027
21	Existing vault air pump & sump pump power	Approved	\$7,361
22	Sample box at underground tanks	Approved	\$1,921
23	Rebar for 12" thick wall at water tank #2	Approved	\$17,303
24	Unforeseen soil conditions at Vignes St.	Approved	\$33,817

**ATTACHMENT B**

**CONTRACT MODIFICATION / CHANGE ORDER LOG**

<b>Mod. No.</b>	<b>Description</b>	<b>Status</b>	<b>Cost</b>
25	Keller St. Driveway Approach	Approved	\$38,396
26	- Bulletin 7 Transp. Bldg. Windows - TIA #2 Compensable Time Extension - Sub-soil drainage dewatering pump	Approved	\$96,737
27	- Bulletin 2 Relocated water lines - Bulletin 4 Reserved Parking - TIA #1 Non-Compensable Time Extension	Approved	(\$3,053.22)
28	- Bulletin 5 Overhead Doors - Obstructions on Vignes - Gas line relocation	Approved	\$186,574
29	- Bulletin 8 Water Capture at Jail Wall - Reduced Pressure Principle Assembly	Approved	\$81,685
30	Temp power for FACP cabinet	Approved	\$42,960
31	Bulletin 13 Shoring at Grid 12 (Diamond Building), Footing Redesign	Approved	\$78,646
32	Soil & groundwater at Diamond Bldg.	Approved	\$52,441
34	- SD Manhole 55 - Repair Existing Corroded Water Line	Approved	\$8,987
35	Import for Backfill - Chatsworth	Approved	\$181,939
36	Import for Backfill - 405 Fwy	Approved	\$101,627
37	Temp. Power for Radiator Shop	Approved	\$6,964
38	TIA #4 Compensable Time Extension	Approved	\$153,440
CO18	Delete DWP Vaults	Approved	(\$105,691)
CO19	Credit Allowance #2 Unused Funds	Approved	(\$75,445.36)
CO20	Delete DWP Underground Power	Approved	(\$545,837)
39	- Propane and Oxygen for Radiator - Floor Drain for 6" ASR	Approved	\$38,111
40	- Intake Air Duct to Water Heater A1 - Mechanical Duct Relocation for FCU	Approved	\$12,134
41	- Shear Wall Dimension and Openings - H Line Wall Thickness	Approved	\$10,951
42	LADWP Utility Yard Switchgear	Approved	\$300,010
CO27	Delete Schedule C Unused Funds	Approved	(\$160,237)
43	- VFD for Supply Fans - Bracing of Walls at GL 11 - Power to Boil Out Tank	Approved	\$35,600

**ATTACHMENT B**

**CONTRACT MODIFICATION / CHANGE ORDER LOG**

<b>Mod. No.</b>	<b>Description</b>	<b>Status</b>	<b>Cost</b>
44	- Storm & Domestic Water - Gas pressure vent lines - Oil, water separator, EQ 2236	Approved	\$15,150
45	- Rebar Size at Concrete Slab Level 1 - Electrical, Exhaust Venting and - Duct Collection to New Plasma Cutter Table	Approved	\$85,987
47	TIA #5 Compensable Time Extension	Approved	\$85,168
48	Radiator shop containment basin	Approved	\$21,390
33	Rev Fire Sprinkler Hazard Class	Approved	\$93,551
CO37	Credit for Equipment Quantity Decrease	Approved	(\$165,783)
49	-Bulletin 11 Day Cleaning Catch Basin -Unforeseen Utilities at Metro Drive -Haul SC Gas Soils from TSA site	Approved	\$97,101
50	SC Gas Haz Soil Excavation over 125%	Approved	\$192,058
51	Misc Electrical Power Requirements	Approved	\$89,264
52	Bulletin 34: Revisions to 3HR Rated Wall	Approved	\$113,934
CO42	Credit for Deletion of Translucent Soffit	Approved	(\$426,316)
53	-Load SCG Soils -Unforeseen Concrete Obstructions -Relocate Soils Onsite	Approved	\$122,058
54	-Draka Lifeline Cable -Temporary Water & Power for Irrigation -Exit Lights	Approved	\$296,824
55	-Variable Air Volume Registers & Duct -Temperature Sensors for Zone Control	Approved	\$24,752
56	Phase 1 Traffic Control for DWP Undergrounding (Aug 2013 – Dec 2013)	Approved	\$300,000
58	Reimbursement for PV Panels	Approved	\$124,728
59	Phase 2 Traffic Control for DWP Undergrounding (Jan 2014 – June 2014)	Approved	\$450,000
60	Sanitary Sewer Manhole 24 – Unforeseen Obstructions	Approved	\$319,171
61	- Bulletin 33 Sub-metering Area 4 - Industrial Waste Tie - Misc Electrical Revisions - Circuit Requirements	Approved	\$43,804
64	Delay Compensation (Administrative Change)	Approved	\$0
65	TIA #6 Compensable Time Extension	Approved	\$254,800
66	TIA #7 Compensable Time Extension	Approved	\$173,264

**ATTACHMENT B**

**CONTRACT MODIFICATION / CHANGE ORDER LOG**

<b>Mod. No.</b>	<b>Description</b>	<b>Status</b>	<b>Cost</b>
67	Bulletin 26 – 3 hr Wall at Grid Line 12	Approved	\$188,218
68	-Bypass Sewer at Lyon Street -Selective and Added Demolition Bldg 1	Approved	\$67,578
69	Existing Storm Drain	Approved	\$237,156
46	PV Panels	Approved	\$1,539,815
70	Archeological Find at Storm Drain on Vignes Street	Approved	\$235,849
71	-Bulletin 9 Restroom Vanities -Bulletin 10 Door Exit devices -Bulletin 12 Clerestory Windows Concrete Slab Type PS-1 in lieu of PS-2	Approved	\$35,655
72	-Bulletin 15 Exposed/Concealed Conduit -Multiple Credit Deletions -Elevator Overhead Power and Lighting	Approved	\$23,121
73	Adjustment to Contract for Eqpt CO#37	Approved	\$87,603
74	-Sewer Lateral Obstructions -Trap Primers in Radiator Shop	Approved	\$186,574
75	Direct Cost for Materials & Equipment for Vignes Street Sewer Delay	Approved	\$428,177
76	Direct Labor Costs for Vignes Street Sewer Delay	Approved	\$315,000
CO 36.1	Delete Fiber Optic and Telecom Cable from Gateway Bldg to Bldg 1 & Bldg 2	Approved	(\$42,615)
77	Delete Fiber Optic and Telecom Cable from POC A to POC B	Approved	(\$33,969)
CO 38.1	Delete Fiber Optic and Telecom Conduit and Vaults from Bldg 1 to Bldg 2	Approved	(\$98,171)
78	Delete Fiber Optic and Telecom Conduit and Vaults from POC a to POC B	Approved	(\$159,243)
79	Jack and Bore Casing for Sewer at Vignes Street	Approved	\$234,483
80	-Bulletin 19 Expansion Joint -Slot cutting at Building 1	Approved	\$247,635
81	-Bulletin 16 – Wastewater Vent Piping -Bulletin 28 - Reduced Pressure principle -Bulletin 29 – Storm Drain Manhole	Approved	\$90,261
82	-Bulletin 18 – Door Clarifications -Sales and Use Tax Increase to 9% -Existing Radiator Shop Clarification -Bulletin 25 – Tire Shop Eqpt Power	Approved	\$97,164
83	Bulletin 22 – 10” Fire service connection	Approved	\$84,011
84	Bulletin 37R1, Utility Yard Revisions	Approved	\$247,063
85	Bulletin 21, Metro Driveway Water Line Revisions	Approved	\$93,918



**ATTACHMENT B**

**CONTRACT MODIFICATION / CHANGE ORDER LOG**

<b>Mod. No.</b>	<b>Description</b>	<b>Status</b>	<b>Cost</b>
86	Import Soils for Chassis Wash Area and Bldg #1 and Diamond Bldg. Soils	Approved	\$90,261
87	Bulletin 20, Metal Roof Panels Bulletin 43, Door Actuator and Egress Hardware Revisions	Approved	\$67,278
88	Hazardous Soil Removal Adjustment of Unit Rates and Quantities Exceeding 25% Quantity	Approved	\$303,757
89	-Bulletin 24, LEED Revisions -Bulletin 42, CNG Yard Modifications -Bulletin 31, Waste Plumbing Revisions -Bulletin 51, Lubrication Fluid Piping -Miscellaneous Electrical Changes	Approved	\$99,932
90	Revisions to Wall Footings, CMU Wall Dimension Changes at Bldg. 1	Approved	\$70,000
91	Misc. Electrical Items Part 1: Power to VFDs, Power to Flashometers and Motion Sensor to Exhaust Fans	Approved	\$65,000
92	- Misc. Electrical Items - Veeder Root Petroleum Monitor Console Relocation to Aisle C129	Approved	\$83,459
93	SC Gas Soil Import and Slot Cutting	Approved	\$82,480
94	Claims Resolution	Approved	\$386,837
95	Delete DWP Undergrounding	Approved	\$(545,837)
96	Add Power to Block Heater, Battery Charger and Remote Annunciator to Generator	Approved	\$73,931
97	Bulletin 39, Lighting at Stairs/Doors and Power for DWP Metering Switchboard Heater	Approved	\$50,799
98	Bulletin 44, Soffit Ceiling at SW Plaza	Approved	\$102,000
99	- Bulletin 17, House Gas Tap Connection - Diamond Bldg Roof Drain Connection - Bulletin 50, Framed Furred Walls - Bulletin 52, Roof Drainage at Parking - Sink Hole Remediation - Flexible Tubing/Piping at 3-Hr Wall	Approved	\$51,581
100	- Electrical Misc Items, Part 2 - Street Lighting Switch Over on Cesar Chavez - Remstar Vertical Carousel EQ #1389 - Bulletin 45, Electrical Yard Sub-Metering Rough-In	Approved	\$67,489
101	TIA 10R1, Compensable time Extension	Approved	\$94,000
102	- Multiple Plumbing Changes - Radiator Shop Exhaust Fans Curbs on Roof	Approved	\$36,400
103	Bulletin 66, Tapered Concrete at Utility Yard	Approved	\$17,358
104	Direct Costs for Delays at Vignes Street Sewer	Approved	\$470,000
105	- Bulletin 46 EQ 1730 Revisions - Relocation and Balancing of Soils	Approved	\$47,600

**ATTACHMENT B**

**CONTRACT MODIFICATION / CHANGE ORDER LOG**

<b>Mod. No.</b>	<b>Description</b>	<b>Status</b>	<b>Cost</b>
106	Metro Driveway Retaining Wall Conflict	Approved	\$52,896
107	AFC Street Lighting Plans	Approved	\$57,760
108	Parking Construction Joints for PT Beams	Approved	\$68,936
109	- Misc Changes - Hollow Metal Frame Installation	Approved	\$77,144
110	- Bulletin 61, Enlargement of doors C103, 104 - Bulletin 65, Equipment 1401 Revisions	Approved	\$30,790
111	- Robot Traffic Control - Sewer Manhole 35 Revisions	Approved	\$28,595
112	- Delete Domestic Water Meters - Bulletin 58, Structural Steel Corbel - Door Hardware Changes Submittal 08 71 00	Approved	\$26,979
113	- Bulletin 41, Art Panel Modifications - Bulletin 48, Bency Kiosk - Bulletin 64, Delete Compressed Air Drop - Bulletin 63, Equipment 5430 Safety Enclosure	Approved	\$23,602
114	TIA 10R1, Direct Schedule Mitigation Costs	Approved	\$76,133
115	Temp Lighting and Equipment Costs	Approved	\$25,737
116	Sewer Unforeseen Obstruction	Approved	\$82,734
117	Bldg C Clerestory Infill Framing	Approved	\$44,294
118	Applied Graphics	Approved	\$14,583
119	Removal of Exterior Structural Steel	Approved	\$16,448
120	Non-compensable time extension for rain	Approved	\$0
121	Underfloor Humidity Control Requirements	Approved	\$173,023
122	- Bulletin 27, Structural Support for Atrium - Bulletin 36, Revised Fiber Optic Pathway - Storm Water Reuse Filters and Pumps - Bulletin 40r1, Wall Addition at Elevator	Approved	\$44,753
123	AFC Traffic Signal Permit Plans	Approved	\$35,123
124	Concrete and Rebar Changes: RFC 132; RFIs 822, 817-2; RFC 151; RFIs 710, 736, 782, 803, 803-1, 861, 868; RFCs 153, 898; RFC 161, RFI 845, RFI 982	Approved	\$59,017
125	- Bulletin 72 PCC Paving at Gas MSA - Utility Yard Footing & Curtain Wall	Approved	\$60,603
126	- Plumbing at Chassis Wash Area - Relocation of Existing Roof & Storm Drain Bldg. 1 - Bldg 1, Remove Capped Utilities	Approved	\$52,880

**ATTACHMENT B**

**CONTRACT MODIFICATION / CHANGE ORDER LOG**

<b>Mod. No.</b>	<b>Description</b>	<b>Status</b>	<b>Cost</b>
127	Bulletin 53, Revisions to the Electrical Single Line Diagram	Approved	\$6,800
128	Traffic Signal Impacts	Approved	\$108,886
129	Bulletin 71R2, Exit Signs	Approved	\$80,599
130	Bulletin 47, Revised Existing Weld Booth No. 6 & Misc. Electrical Conditions	Approved	\$21,557
131	- Plumbing J-Mould & Fireproofing - Bulletin 69, EQ 7250 & 7255 Hose Hangers COL 48.1, EQ 1401 Difference in Cost to Change from 13 ft to 19 ft	Approved	\$70,170
132	Bulletin 59, New Fuel Lines to EMF Emergency Generator	Approved	\$166,917
133	Adjustment to Contract Value for DWP Water Service Connection Cost CO #18	Approved	\$30,453
134	- Medium Pressure Gas Piping - Deleted Card Access System - Cost of Import Soils due to PCC	Approved	\$61,266
CO 137	Bulletin 38r2, Telecommunications & Credit Changes to Low Voltage Systems	Approved	\$(140,080)
CO 138	Bulletin 79, Fare Retrieval System	Approved	\$95,023
CO 139	Bulletin 73, PV System Components	Approved	\$274,708
135	VM6 Procurement	Approved	\$161,243
136	- Bulletin 68, Remote FDC Connection -Bulletin 76, Provide Signage as Required by code & LA Fire Dept.	Approved	\$101,709
CO 140	Bulletin 32, Updated Elec Panelboard, Feeder, Single Line Diagram	Approved	\$(26,872)
CO 144	Bulletin 56 & 56R1, Transportation & Maintenance Bldg Revisions	Approved	\$257,173
137	Bulletin 67, Shower Floor Finish & bulletin 77 Ambulatory Toilet Stall	Approved	\$43,507
CO 143	Generator Fuel Supply Line RFI 785	Approved	\$22,397
138	Bulletin 70, Art Work	Approved	\$488,650
CO 145	Bulletin 60R2, Upgrades to Elec Single Line Panel	Approved	\$141,028
139	RFC 172, Temp Detector Loop & RFC 188 PV Racking Attachments	Approved	\$46,367
CO 147	- RFC 202, RFI 972 (T1 and Z1 DMX Controllers) - RFI 1037, 120 Volt Power for WLAN and M3	Approved	\$68,112
CO 148	Bulletin 82, Lighting at SW Corner of Building B	Approved	\$487,366
140	Bulletin 75, Door Security	Approved	\$71,970
141	- RFI 318-5, Plasma Table Relocation - RFI 1195, Added Concentric Flue Vent	Approved	\$26,888

**ATTACHMENT B**

**CONTRACT MODIFICATION / CHANGE ORDER LOG**

<b>Mod. No.</b>	<b>Description</b>	<b>Status</b>	<b>Cost</b>
	- RFI 985, Bldg C Stair 13/Roofing Conflict		
142	- RFI 975, Location for Alarm Panel & Annunciator (FA003) - RFI 955-1, Bldg C Restroom Wall & Opening Rev.	Approved	\$17,737
143	Bulletin 55, Pass thru Door	Approved	\$9,108
144	- Bulletin 83, Security Screening - Bulletin 85, Stair #12, Core Finish	Approved	\$220,769
145	RFI 1250-3, B1 thru B5 Exhaust Air Flow Revisions – Procurement & Submittal	Approved	\$154,549
CO 149	Bulletin 49, Updated Electrical Schedule, Part 2	Approved	\$3,074
CO 150	RFI 1060, Power to Coiling Doors	Approved	\$42,585
CO 151	Relocated & Added Clocks. Added Panel for Wash Equipment	Approved	\$160,908
146	Bulletin 64, Revised Utilities at Chassis Wash	Approved	\$21,300
CO 152	- RFI 591-1, Exhaust Fan Control - RFI 699, Existing Fire Pump Monitoring - RFI 880, Equipment circuit and Conduit Clarification	Approved	\$36,702
CO 153	RFI 918, Exhaust Fans B-3 to B-5 VFD Locations	Approved	\$4,691
CO 154	Bulletin 75, Access Control Door, MCM – Electrical	Approved	\$71,173
CO 155	Bulletin 78, Entry Soffit A100 and Exterior Paint	Approved	\$43,529
CO 156	RFI 1030, Area 9 Level 1 Lighting Clarifications	Approved	\$7,760
CO 157	Bulletin 80, Static Control Flooring	Approved	\$20,087
147	- RFI 1027, 8-in. Roof Insulation - RFI 1115, Supervisor Room Lower Ceiling	Approved	\$32,063
158	RFI 1050, Additional Power for EWC B-1	Approved	\$3,488
159	Bulletin 74, Roof Beam Stiffeners	Approved	\$27,749
148	- RFI 1100, Elevation Discrepancy at Non-Revenue Wash Area - Schedule C Obstructions Allowance – Unforeseen Obstructions	Approved	\$64,882
163	RFI 1097, Underfloor Power Module	Approved	\$22,788
149	Multiple RFIs: 897, 1149, 1100, 1111, 1101, 1120, 981; Bulletin 90R1, 1202, 1225	Approved	\$89,244
150	RFI 1132, Roofing at RTU, HVU and HP Prefab Curbs	Approved	\$25,959
151	Data Acquisition System for PV to Report to DWP	Approved	\$95,511
CO 165	Bulletin 81, Roof Girder Stiffener	Approved	\$69,967

**ATTACHMENT B**

**CONTRACT MODIFICATION / CHANGE ORDER LOG**

<b>Mod. No.</b>	<b>Description</b>	<b>Status</b>	<b>Cost</b>
CO 166	Bulletin 64 and Bulletin 86, Electrical Changes	Approved	\$53,289
CO 164	T&M Bulletin 88R1	Approved	\$170,000
CO 167	RFI 1139, Rev 1 and Rev 2, Bypass Fan and VFD Requirements	Approved	\$109,960
152	- RFI 1129, Building C VAV Access Door - RFI 1112, Building C Exhaust Reels Revisions	Approved	\$18,916
CO 168	RFI 1193, Vacuum Pump Power Requirements	Approved	\$41,920
CO 169	RFI 1095-1, Combination Fire Smoke Dampers (CDs) on a 120-Volt Circuit	Approved	\$8,376
CO 170	- RFI 1099-1, Boiler Control Panel Locations - RFI 166, Missing Outlets for Solenoid Valve	Approved	\$14,123
TBD	Builders Risk Adjustment	Pending	\$40,041
TBD	Structural Support for EQ ID 7720	Pending	36,241
TBD	RFI 1012, Rebar detail for two-way slab	Pending	\$10,000
TBD	Adhered Roof at Bldg C Concrete Roof Deck	Pending	\$39,816
TBD	RFI 1061, Repair Bay Light Fixture Switch	Pending	\$15,000
TBD	RFI 1056, Stair Tread Nosings at Interior CFP Stairs	Pending	\$14,716
TBD	RFI 0917, Overcurrent Protection	Pending	\$1,331
TBD	RFI 1098, Shunt Trip Signal CNG Detection	Pending	\$34,704
TBD	RFI 1121, Bulletins 22 and 29, Conflict with Backflow Preventer	Pending	\$5,050
TBD	Perforated Panel at Fueling Area Design Change	Pending	\$3,000
TBD	RFI 1117, CFSD Opening Through CMU Wall, Area 8	Pending	\$7,500
TBD	RFI 1118, CFSD Access Obstruction	Pending	\$18,223
TBD	RFI 1038-1, Rev 2: Low Voltage Distance Limitations	Pending	\$293,343
TBD	RFI 1095-1, 24-Volt CFSDs Fed by 120-Volt Circuit	Pending	\$8,376
TBD	RFI 1099 and 1166, Electrical Changes	Pending	\$14,123
TBD	RFI 1119, 1119-1: Stair 6 FS Elevation vs. Gate Swing	Pending	\$33,289
TBD	LA Gross Tax	Pending	\$50,000
TBD	South Façade Panel Layout	Pending	\$15,000

**ATTACHMENT B**

**CONTRACT MODIFICATION / CHANGE ORDER LOG**

<b>Mod. No.</b>	<b>Description</b>	<b>Status</b>	<b>Cost</b>
TBD	RFI 1045, Gap at East End of Chavez Retaining Wall	Pending	\$18,000
TBD	RFI 973-2, Lighting Control System Changes	Pending	\$100,000
TBD	RFI 1216, LADWP PV Switch Gear Pad Extension	Pending	\$11,090
TBD	RFI 1029-1, Power for WH C-1 and CP C-1	Pending	\$19,950
TBD	RFI 1207, Building B LV B-14 and B-17	Pending	\$18,000
TBD	RFI 1182, Light Fixture Conflict at Bldg C North Mezz	Pending	\$22,000
TBD	RFI 1150, Type Q Fixture at Building A ACT	Pending	\$5,000
TBD	Elevator #1 Changes via Submittal 14 21 00-0001.1	Pending	\$2,650
TBD	RFI 1028, Partition Wall at Bldg C	Pending	\$5,505
TBD	RFI 1206, Receptacles at Restroom Bldg. A, Level 1, RFI 1228	Pending	\$1,255
TBD	RFI 1214, Installation of Lighting Protection on Bldg. B Parapets	Pending	\$4,839
TBD	Street Improvement Changes/Obstruction During Road Work	Pending	\$65,000
TBD	RFI 1168-1, Cesar Chavez SD Manhole	Pending	\$20,000
TBD	RFI 1131, Bldg A Kickers Above Windows B15 and B16	Pending	\$15,487
TBD	RFI 1189, Fixture/Duct Conflict	Pending	\$16,830
TBD	RFI 1151, 1152: Exhaust Reel Changes	Pending	\$50,866
TBD	RFI 1172 and 1192: Gate Hardware Revisions	Pending	\$66,901
TBD	RFI 992, Elevation Discrepancies at Chassis Wash	Pending	\$10,413
TBD	- RFI 1159, Bldg. A Transfer Air Opening - RFI 1155, Floor Registers	Pending	\$20,982
TBD	Bulletin 84, A/V Equipment Provisions	Pending	\$221,865
TBD	RFI 536, 1144, 1207, 1215: Electrical Changes	Pending	\$56,046
TBD	RFI 1164 and 1165: Light Fixture Relocation	Pending	\$12,200
TBD	- RFI 1250, EF B-1 thru B-5 Exhaust Air Flow - RFI 1264, Economizer Return	Pending	\$8,089
TBD	- RFI 1267, Vignes/Chavez Curb Ramp Issue - RFI 1218-1, Unforeseen Manhole - RFI 1217, Lyon Sidewalk Rework	Pending	\$37,947
TBD	RFI 1229, Closure Plates at Column Penetrations	Pending	\$45,993

**ATTACHMENT B**

**CONTRACT MODIFICATION / CHANGE ORDER LOG**

<b>Mod. No.</b>	<b>Description</b>	<b>Status</b>	<b>Cost</b>
TBD	RFI 314 and RFI 1278, Additional FRP at Bldg C	Pending	\$5,076
TBD	Sunshade Assembly between Bldgs A and B (QAR 157)	Pending	\$35,761
TBD	RFI 1259, Vacuum Equipment Revisions at Brake and Body Shop	Pending	\$62,154
TBD	RFI 1262, Veeder Root Communication	Pending	\$7,540
TBD	RFI 1266, Motor Oil and ATF Tanks	Pending	\$35,693
TBD	RFIs 534, 749, 750, and 929: Electric Adds	Pending	\$76,394
TBD	Permitted Signal and Stripping Changes	Pending	\$60,000
TBD	Bulletin 87R1, Stripping and Protection	Pending	\$250,000
TBD	Unforeseen Conditions at Cesar Chavez	Pending	\$45,780
TBD	RFIs 1185, 1197, 1204 and 1236: Electrical Changes	Pending	\$22,681
TBD	RFIs 1203, 1234, and 1231: Miscellaneous Metal Add	Pending	\$36,498
TBD	RFI 1257, Sidewalk at Metro Gate	Pending	\$39,433
TBD	Added PV Signage per DWP Punch List	Pending	\$1,715
TBD	RFI 862, 935, Series 953-1, 961, 963: Steel Changes	Pending	\$40,073
TBD	RFIs 994, 1053, 1201, 1205 and 1261: Steel Adds and Modifications	Pending	\$26,496
TBD	Bulletin 89, Overhead Fall Protection System in Chassis Wash	Pending	\$45,400
TBD	RFI 691-1, Garden Roof Steel Angle Size	Pending	\$23,880
TBD	RFI 1265, Body Shop Trapeze Assembly	Pending	\$29,984
TBD	RFI 1268, Circuits for EQ #5558 Lighting	Pending	\$5,542
TBD	RFI 1275, Fire Sentinels for Coiling Doors	Pending	\$39,808
TBD	RFI 1233, Room to Room Soundproofing at Bldg A	Pending	\$4,344
TBD	RFI 1274, C210 Door Swing	Pending	\$5,673
TBD	RFI 1255, 1255-1: P-Lam Cabinets and Tile at Sinks	Pending	\$9,918
TBD	TIA #12, Bulletin 81: Added Roof Girder Stiffener	Pending	\$32,079
TBD	TIA #13, By-Pass Fans at Bldg A 32 CD, 24 WD	Pending	\$256,632

**ATTACHMENT B**

**CONTRACT MODIFICATION / CHANGE ORDER LOG**

<b>Mod. No.</b>	<b>Description</b>	<b>Status</b>	<b>Cost</b>
TBD	Bulletin 92Ra, Lube/Compressor Room Fire Resistance	Pending	\$15,000
TBD	Bulletin 91, Water Supply at Day Cleaning	Pending	\$6,520
TBD	Trench Drain Repair	Pending	\$;69,843
TBD	PCC Paving Thickness Change from 9" to 10 1/2" Area 8 South	Pending	\$70,503
TBD	RFIs 641-1, 1150, 1223-1, 1258: Electrical Changes	Pending	\$49,051
TBD	RFIs 1237, 1244, 1248-1, 1270, 1282: Electrical Changes	Pending	\$16,530
TBD	Preparation for Dignitaries	Pending	\$7,896
TBD	Gap at East End of Chavez Retaining Wall	Pending	\$18,000
TBD	RFI 0702, Hose Reel	Pending	\$10,000
TBD	Additional Metal Roof Anchors – PV Panel Loading	Pending	\$6,000
TBD	RFI 1102, Unforeseen Duct Bank	Pending	\$7,000
TBD	Cesar Chavez Sidewalk Phased Demo	Pending	\$5,500
TBD	Delete Watson Dispatch Console	Pending	(\$13,747)
TBD	RFI 1250-3, EF B-1 Athena Cost Pt 2 and Other Trades	Pending	\$270,510
TBD	Additional Street Tree Planting and Street Substitution	Pending	\$6,014
TBD	Seal Ceiling Penetration Above Switchgear	Pending	\$14,136
TBD	Fire Alarm Connection to CNG Equipment	Pending	\$4,769
TBD	RFI 1279-1, Piano Hinge Gates	Pending	\$2,709
TBD	LADOT Traffic Signal Permit St Sheets 3, 4, 5	Pending	\$40,000
TBD	RFI 1293, Building A Underfloor Plenum Pressure Differential Issue	Pending	\$45,422
TBD	TIAs 11, 12, and 13: Concurrent and Compensable Time Extension – 189 Calendar Days, 19 Working Days	Pending	\$178,600
TBD	RFIs 1038, 1095, 1110, 1111, 1112, 1119, 1129: Multiple MEP Changes	Pending	\$77,000
TBD	RFI 1250-3, Exhaust Fan Procurement Incentive	Pending	\$30,000
TBD	RFI 1289, Emergency Lighting Fire Marshal Comments	Pending	\$60,352
TBD	RFI 1223-1 and 1258: Control Changes	Pending	\$21,616



ATTACHMENT B

CONTRACT MODIFICATION / CHANGE ORDER LOG

Mod. No.	Description	Status	Cost
	Subtotal – Approved Modifications		\$15,738,915
	Subtotal – Pending Changes/Modifications		\$3,714,439
	<b>Subtotal Totals: Mods. + Pending Changes/Modifications</b>		<b>\$19,453,354</b>
	<b>Total: Mods + Pending Changes/Mods</b>		<b>\$19,453,354</b>
	Previous Authorized CMA		\$18,512,000
	CMA Necessary to Execute Pending Changes/Mods + Possible Claims		\$1,000,000
	<b>Total CMA including this Action</b>		<b>\$19,512,000</b>
	<b>CMA Remaining for Future Changes/Mods after this Action</b>		<b>\$58,646</b>

**DEOD SUMMARY**

**DIVISION 13 BUS MAINTENANCE AND OPERATIONS FACILITY/C0974**

**A. Small Business Participation**

McCarthy Building Companies made a 1.42% Disadvantaged Business Enterprise (DBE) Anticipated Level of Participation (DALP) commitment for this contract. Current participation is 1.06%, representing a 0.36% shortfall. The contract is 99.9% complete.

Going forward, the CEO has directed that a goal percentage attainment tracking system be created and measured against project percentage completion. This would allow Metro to have an early alert mechanism if contractors are nearing contract completion and are short of DBE/SBE goal attainment.

<b>SMALL BUSINESS COMMITMENT</b>	<b>1.42% DALP</b>	<b>SMALL BUSINESS PARTICIPATION</b>	<b>1.06% DALP</b>
----------------------------------	-------------------	-------------------------------------	-------------------

	DBE Subcontractors	Ethnicity	% Commitment	% Participation <sup>1</sup>
1.	MB Professional Services	Non Minority Women	1.23%	1.06%
2.	Interclean Equipment	Non Minority Women	0.19%	0.00%
<b>Total Commitment</b>			<b>1.42%</b>	<b>1.06%</b>

<sup>1</sup>Current Participation = Total Actual Amount Paid-to-Date to DBE firms ÷ Total Actual Amount Paid-to-date to Prime.

**B. Living Wage Service Contract Worker Policy**

The Living Wage and Service Contract Worker Retention Policy is not applicable to this modification.

**C. Prevailing Wage Applicability**

Prevailing Wage requirements are applicable to this project. DEOD will continue to monitor contractors' compliance with the State of California Department of Industrial Relations (DIR), California Labor Code, and, if federally funded, the U S Department of Labor (DOL) Davis Bacon and Related Acts (DBRA).