

**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

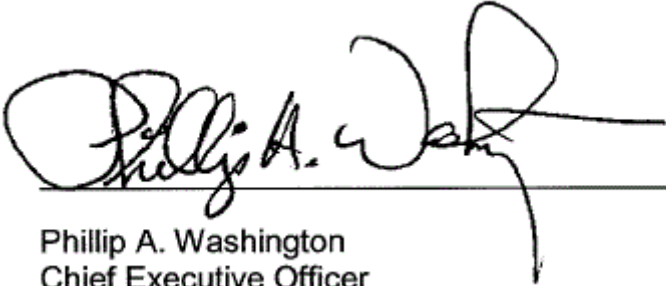
Upon Board approval, Metro's project team will continue to work diligently processing and negotiating construction change orders with McCarthy within the revised Contract Modification Authority. Division 13 is scheduled to begin revenue operations in January 2016.

ATTACHMENTS

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

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Phillip A. Washington
Chief Executive Officer

PROCUREMENT SUMMARY

DIVISION 13 BUS MAINTENANCE AND OPERATION FACILITY

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

| Mod. No. | Description | Status | Cost |
|-----------------|--|---------------|---------------|
| 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 |

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| Mod. No. | Description | Status | Cost |
|-----------------|--|---------------|-------------|
| 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 |

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| Mod. No. | Description | Status | Cost |
|-----------------|---|---------------|-------------|
| 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 |

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| Mod. No. | Description | Status | Cost |
|-----------------|--|---------------|-------------|
| 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 |

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| Mod. No. | Description | Status | Cost |
|-----------------|---|---------------|-------------|
| 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 |

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CONTRACT MODIFICATION / CHANGE ORDER LOG

| Mod. No. | Description | Status | Cost |
|-----------------|---|---------------|-------------|
| 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

| Mod. No. | Description | Status | Cost |
|-----------------|--|---------------|-------------|
| | - 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

| Mod. No. | Description | Status | Cost |
|-----------------|---|---------------|-------------|
| 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

| Mod. No. | Description | Status | Cost |
|-----------------|---|---------------|-------------|
| 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

| Mod. No. | Description | Status | Cost |
|-----------------|---|---------------|-------------|
| 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

| Mod. No. | Description | Status | Cost |
|-----------------|---|---------------|-------------|
| 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 |
| | | | |
| | Subtotal Totals: Mods. + Pending Changes/Modifications | | \$19,453,354 |
| | | | |
| | Total: Mods + Pending Changes/Mods | | \$19,453,354 |
| | | | |
| | Previous Authorized CMA | | \$18,512,000 |
| | CMA Necessary to Execute Pending Changes/Mods + Possible Claims | | \$1,000,000 |
| | | | |
| | Total CMA including this Action | | \$19,512,000 |
| | | | |
| | CMA Remaining for Future Changes/Mods after this Action | | \$58,646 |

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.

| | | | |
|----------------------------------|-------------------|-------------------------------------|-------------------|
| SMALL BUSINESS COMMITMENT | 1.42% DALP | SMALL BUSINESS PARTICIPATION | 1.06% DALP |
|----------------------------------|-------------------|-------------------------------------|-------------------|

| | DBE Subcontractors | Ethnicity | % Commitment | % Participation ¹ |
|-------------------------|--------------------------|--------------------|--------------|------------------------------|
| 1. | MB Professional Services | Non Minority Women | 1.23% | 1.06% |
| 2. | Interclean Equipment | Non Minority Women | 0.19% | 0.00% |
| Total Commitment | | | 1.42% | 1.06% |

¹Current 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).