



**Metro**

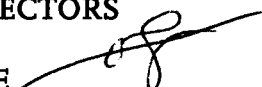
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May 16, 2008

**TO:** BOARD OF DIRECTORS

**THROUGH:** ROGER SNOBLE   
CHIEF EXECUTIVE OFFICER

**FROM:** RICHARD D. THORPE   
CHIEF CAPITAL MANAGEMENT OFFICER  
CONSTRUCTION PROJECT MANAGEMENT

**SUBJECT:** BOARD REQUESTED MONTHLY UPDATE ON CONTRACT  
MODIFICATIONS FOR METRO GOLD LINE EASTSIDE  
EXTENSION CONTRACTS - PERIOD ENDING APRIL 2008

#### ISSUE

The Board of Directors has requested a monthly update report for construction contracts showing all executed and pending Contract Modifications and remaining Contract Modification authority value. The Contract Modification Report in Attachment A reflects the status of the Design/Bid/Build and Design/Build contract with Eastside LRT Constructors for the Metro Gold Line Eastside Extension Project, as of the end of April 2008.

#### RATIONALE

On April 15, 2004, the Board of Directors reaffirmed the Chief Executive Officer's authority to execute Contract C0803 to the lowest-priced responsive and responsible bidder. The Board also authorized the Chief Executive Officer to execute contract modifications for Contract C0803 up to \$42,031,430, subject to reporting requirements and Board approved contract dollar limitations. On June 1, 2004, the contract was awarded to Eastside LRT Constructors (a joint venture of Washington Group International, Obayashi Corporation and Shimmick Construction Corporation) in the amount of \$600,449,000.

#### STATUS

During the month of April 2008, there were five new Contract Modifications and no new executed Change Order (Not-to-Exceed).

<b>CM/CO/CN</b>	<b>Change Notice Description</b>	<b>Value</b>
CM 115.00/CN 116.01	At-Grade Station Train Control & Communications Room	\$101,598
CM 148.00/CN 166.01	Traction Power Substation No. 1 Site Plan – Add Removable Bollards	\$3,560
CM 150.00/CN 170.00	Differing Site Conditions (DSC) at Union Station	\$71,617
CM 151.00/CN 165.00	Revise Street Restoration Limits Segment 1/2A	\$57,639
CM 153.00/CN 162.00	Add Stainless Steel to Map Cases	\$24,892

To date, for the tunnel, stations, trackwork and systems scope of work, there are 126 executed Contract Modifications for a combined value of \$10,642,670 and five approved Change Orders issued for a value of \$800,000. The total value of all Contract Modifications and Change Orders as of this report is \$11,442,670 as shown in Attachment A.

### **NEXT STEPS**

Provide the Board the Contract Modification Report for the period ending May 2008.

### **ATTACHMENT**

- A. Contract No. C0803, Tunnel, Stations, Trackwork and Systems, Contract Modification Report

# ATTACHMENT A

## METRO GOLD LINE EASTSIDE EXTENSION

### CONTRACT MODIFICATION REPORT

**Contract C0803 - Tunnel, Stations, Trackwork and Systems - Eastside LRT Constructors**

**Current Contract Authorization for Modifications:**

**42,031,430**

**Less Executed Modifications:**

<u>Mod #</u>	<u>CN #</u>	<u>Description</u>	
1.00	2.00	EXERCISE OF "OPTION D: SHORTENING OF UNION STATION TAIL TRACK"	68,000
2.00	1.00	DELETE REQUIREMENT FOR PALM TREE TRANSPORT AND STORAGE AT PENNSYLVANIA AND BAILEY ST	(60,000)
3.00	4.00	REVISE RADIUS OF CURVATURE - 101 S. OFF-RAMP TO WESTBOUND 1ST STREET	0
4.00	5.00	C0803 PROVISIONAL SUM TO REIMBURSE DESIGN-BUILDER FOR ONE-HALF (1/2) OF PARTNERING COSTS	95,000
5.00	10.00	REVISE GENERAL CONDITIONS ARTICLE 33.3 REQUEST FOR INFORMATION	0
6.00	3.02	DRAWING CHANGES - DWP WATER PIPES	54,700
7.00	20.00	FINAL QUANTITIES OF HAZARDOUS MATERIALS (LEAD, ASBESTOS, AND TRANSITE PIPE) FOR C0800 ELEMENT OF WORK	0
9.00	19.00	REVISE GENERAL CONDITIONS ARTICLE 33.3 GC-34.8, SUBCONTRACTOR COSTS	0
11.00	25.00	ECONOMIC PRICE ADJUSTMENT FOR INDEXED ITEMS, PER SPECIAL PROVISIONS ARTICLE SP-37	253,922
12.00	26.00	WEATHER DELAYS FROM NTP THROUGH FEBRUARY 2005	0
14.00	24.00	EAST PORTAL SAFETY WALK AND CABLE TRENCH	60,000
15.00	17.00	6" SEWER LATERAL AT MARIACHI PLAZA	25,343
18.00	39.00	WEATHER DELAYS FROM FEBRUARY 2005 THROUGH OCTOBER 2005	0
19.00	34.05	INCREMENTAL COSTS OF EXCAVATING THE CREMATORIUM WALL	240,772
20.00	47.00	QUANTITY ADJUSTMENT FOR BID ITEM 01056.04, INCLINOMETER COST	40,000
21.00	48.00	SETTLEMENT OF CLAIM FOR EARTHQUAKE INSURANCE COST	650,000
24.00	32.00	DESIGN, INSTALLATION AND TESTING OF TWO INTERLOCKINGS AT THE TUNNEL PORTALS IN LIEU OF THE CURRENT POWERED CROSSOVERS	0
25.00	50.00	PUBLIC PAYPHONES	0
26.00	30.01	DESIGN OF MODIFIED ARRANGEMENTS FOR ALL SUBSTATIONS	88,731
28.00	45.00	VALUE ENGINEERING TO ELIMINATE HYDROCARBON RESISTANT MEMBRANE IN U-SECTIONS OF THE WEST & EAST PORTALS	(73,553)
30.00	36.01	DESIGN OF MODIFIED CCTV SYSTEM	28,505
32.00	49.00	DESIGN POWER SERVICE AT LITTLE TOKYO AND PICO ALISO STATIONS	49,903

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**Less Executed Modifications:**

<u>Mod #</u>	<u>CN #</u>	<u>Description</u>	
34.00	62.01	SOTO STATION PIEZOMETER INSTALLATION	30,110
36.00	11.03	DESIGN OF TRACTION POWER SYSTEM CONSISTING OF SIX SUBSTATIONS IN LIEU OF THE BASELINE FOUR SUBSTATIONS	118,752
37.00	43.00	LADWP POWER SERVICE DUCTBANK CONFLICT WITH THE TEMPORARY SHORING SYSTEM FOR SOTO STATION	145,064
38.00	60.01	ADD OCS GROUNDING & BONDING AT WEST AND EAST PORTALS	26,500
39.00	46.00	RELOCATE WATERLINE ALONG 1ST STREET AT VIGNES AND MISSION INTERSECTIONS	26,467
40.00	68.00	TRACTION POWER SUBSTATION SITE PLAN	15,500
42.00	72.00	CROSSING BELLS	0
48.00	63.00	PORTAL SURVEILLANCE	3,057
49.00	66.01	TRACTION POWER SECTIONALIZATION	237,756
51.00	61.01	AT-GRADE STATIONS TC&C ROOM PLUMBING CHANGES	108,544
52.00	79.01	METRO TRACTION POWER SUBSTATION - 01 SITE PLAN	47,214
53.00	76.01	1ST STREET BRIDGE - TRACKWORK MODIFICATIONS AT ARCH SECTION	(98,785)
54.00	31.01	BIOCHEM DETECTOR CONDUIT INSTALLATION	32,590
56.00	101.00	TPSS SITE NUMBER 3 STORM DRAIN	13,800
57.00	58.00	DELETE SEISMIC DETECTION SYSTEM FOR AT-GRADE STATIONS	(45,370)
58.00	33.00	INDIANA STATION RELOCATION ALTERNATIVE PRELIMINARY ENGINEERING SUPPORT	18,474
59.00	88.00	INVESTIGATE DIFFERING SITE CONDITION AT LITTLE TOKYO STATION AREA	41,020
60.00	105.00	REVISION TO SAFETY INCENTIVE PROGRAM LINE ITEM (A.3.29)	60,000
61.00	106.00	ECONOMIC PRICE ADJUSTMENT NO. 1 FOR INDEXED ITEMS, REVISED PER DISPUTES REVIEW BOARD FINDING ENTITLEMENT ON CLAIM NO. 2	97,531
62.00	52.00	STREET TREE SUBSTITUTION AT WEST AND EAST PORTALS	(3,583)
62.00	52.01	STREET TREE SUBSTITUTION AT WEST AND EAST PORTALS	0
63.00	67.00	UNIVERSAL FARE COLLECTION SYSTEM COMMUNICATION INTERFACE	61,716
64.00	75.00	PLATFORM END GATE INTRUSION DETECTION	10,928
65.00	78.00	TVM SCADA INTERFACE	4,022
66.00	44.02	CREMATORIUM ACCESS ROAD AND WALL MODIFICATIONS	0

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### CONTRACT MODIFICATION REPORT

**Contract C0803 - Tunnel, Stations, Trackwork and Systems - Eastside LRT Constructors**

**Current Contract Authorization for Modifications:**

**42,031,430**

**Less Executed Modifications:**

<u>Mod #</u>	<u>CN #</u>	<u>Description</u>	
66.00	44.03	CREMATORIUM ACCESS ROAD AND WALL MODIFICATIONS	74,000
67.00	98.00	ADDITIONAL CATHODIC PROTECTION AT STEEL RINGS	45,195
68.00	82.00	TRAIN CONTROL SYSTEM - ATLANTIC SIGNAL	18,115
69.00	64.00	CROSS-PASSAGES/SUMP STRUCTURE GROUTING STUDY	0
69.00	64.02	REVISE CROSS-PASSAGES/SUMP STRUCTURE GROUTING REQUIREMENTS AND EXCAVATION METHODOLOGY	991,805
70.00	99.00	GAS DETECTION LEVELS	2,285
71.00	77.00	ADD EXHAUST VENTILATION PIPING & GRATING FOR EAST PORTAL EMERGENCY EXIT HATCH	6,400
72.00	90.00	LITTLE TOKYO WALKWAY	49,577
73.00	109.00	MODIFY NITRILLE GASKET DETAIL AT CROSSPASSAGES	8,755
75.00	113.00	ECONOMIC PRICE ADJUSTMENT FOR STEEL TUNNEL LINERS	113,527
76.00	93.01	BICYCLE RACKS AND LOCKERS	45,067
77.00	30.02	CONSTRUCTION OF A MODIFIED ARRANGEMENT FOR ALL SUBSTATIONS	29,691
78.00	81.00	EAST PORTAL WATER LINES REVISIONS	(29,900)
79.00	112.00	ECONOMIC PRICE ADJUSTMENT FOR BALANCE OF C0800 PILES, SPLICE PLATES, AND ELEVATOR CASINGS	657,465
80.00	93.02	PROVIDE BICYCLE RACKS AND LOCKERS	54,307
81.00	114.00	ECONOMIC PRICE ADJUSTMENT FOR REBAR	1,926,281
82.00	120.00	ECONOMIC PRICE ADJUSTMENT FOR PRECAST TUNNEL LINER REBAR	369,994
83.00	117.00	THIRD STREET U-CHANNEL (DSC)	50,703
84.00	65.01	ESCALATOR PIT DRAINS	17,766
86.00	121.00	ECONOMIC PRICE ADJUSTMENT FOR FIRE PROTECTION STEEL ELEMENTS	77,968
87.00	122.00	QUANTITY ADJUSTMENT FOR BID ITEM 03200.01, REINFORCEMENT	639,120
89.00	99.02	GAS DETECTION LEVELS	4,718
91.00	127.00	ECONOMIC PRICE ADJUSTMENT FOR C0801 PILES	162,898
92.00	9.00	WATER LINE & STORM DRAIN MODIFICATIONS BETWEEN GLESS STREET & MATTHEWS STREET	0
92.00	9.01	WATER LINE & STORM DRAIN MODIFICATIONS BETWEEN GLESS STREET & MATTHEWS STREET	265,716

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<u>Mod #</u>	<u>CN #</u>	<u>Description</u>	
93.00	15.00	VE TO COMBINE TUNNEL CROSS PASSAGES & SUMP PUMP STRUCTURES	(446,358)
94.00	100.00	REVISE STREET RESTORATION LIMITS SEGMENT 1/2A	399,500
95.00	128.00	ECONOMIC PRICE ADJUSTMENT FOR TUNNEL INVERT AND WALKWAY REBAR, AND CROSS-PASSAGES AND SUMP REBAR	168,346
96.00	126.01	CROSS PASSAGES/SUMP DISCHARGE CONNECTIONS	290,000
96.00	126.02	CROSS PASSAGES/SUMP DISCHARGE CONNECTIONS	0
97.00	130.00	ADMINISTRATIVE CHANGE: TRANSFER OF TPSS #S 2 & 4 FROM PROJ. 800088 TO 800288	(2,000,000)
98.00	94.01	INDIANA STREET GRIND AND OVERLAY - CONSTRUCTION	151,910
99.00	133.00	ECONOMIC PRICE ADJUSTMENT FOR STEEL PERMANENT MATERIALS: MANHOLE & CATCHBASINS, UTILITY PIPE, CEILING PANELS, ESCALATOR CLADDING, AND SHEET STEEL	101,524
100.00	134.00	ECONOMIC PRICE ADJUSTMENT FOR OCS STEEL COMPONENTS	161,119
101.00	135.00	ECONOMIC PRICE ADJUSTMENT FOR TRACK MATERIALS	1,563,538
102.00	119.00	FENCE AT U-CHANNEL	194,935
103.00	136.00	QUANTITY ADJUSTMENT FOR C0800 TUNNELING WORK BID ITEMS	(3,551,447)
105.00	110.00	DESIGN STORM DRAIN SYSTEM AT 3RD / INDIANA	41,300
106.00	35.03	DESIGN PEDESTRIAN SIGNAL AT THE INTERSECTION OF GLEASON & INDIANA	24,215
107.00	71.03	BAGGAGE HANDLING ROAD	935,004
108.00	137.00	QUANTITY ADJUSTMENT FOR C0800 CONTAMINATED SOIL BID ITEMS	(18,355)
109.00	94.03	INDIANA STREET GRIND AND OVERLAY - DESIGN	32,180
110.00	129.02	PAVEMENT AND FLATWORK REVISIONS FOR SHARED DRIVEWAY AT RAMONA HS	(8,288)
111.00	111.02	DESIGN AND CONSTRUCT DRAINAGE AT DITMAN AVENUE/3RD STREET	359,179
112.00	103.00	TRAFFIC SIGNAL SEGMENT 6 & 7	325,181
113.00	111.05	DESIGN STREET CROSSING AT 3RD/DITMAN	99,784
115.00	116.01	AT-GRADE STATION TC&C ROOM	101,598
116.00	143.00	ECONOMIC PRICE ADJUSTMENT FOR FENCING STEEL	16,570
117.00	11.05	CONSTRUCTION OF TRACTION POWER SUBSTATION NUMBER 5	934,500

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**Less Executed Modifications:**

<u>Mod #</u>	<u>CN #</u>	<u>Description</u>	
118.00	138.00	SECURITY MODIFICATIONS TO BIKE RACK AND BIKE LOCKER FACILITIES	5,533
119.00	125.02	STANDBY ENGINE-GENERATOR SET (TPSS # 3)	24,013
120.00	36.02	CCTV DESIGN CHANGES	116,417
121.00	144.00	COMMUNICATIONS DUCTBANK TRACER WIRE	0
123.00	148.00	ECONOMIC PRICE ADJUSTMENT FOR C0800 MISC. STEEL METAL, STEEL FENCING, STEEL WATER PIPE, STEEL DOORS, FRAMES, & STEEL WATER REARRANGEMENT PIPE	32,835
124.00	149.00	ECONOMIC PRICE ADJUSTMENT FOR MISC. C0801 STEEL	268,316
125.00	150.00	INCREASE C0803 PROVISIONAL SUM TO REIMBURSE DESIGN-BUILDER FOR ONE-HALF (1/2) OF PARTNERING COSTS	30,000
126.00	151.00	QUANTITY ADJUSTMENT FOR BID ITEM 03300.13, FILL CONCRETE	193,110
127.00	111.07	REVISION TO 3RD/DITMAN DRAINAGE DESIGN	36,081
129.00	141.00	TRAFFIC SIGNAL - 3RD STREET AT DOWNEY ROAD	5,471
130.00	111.08	CONSTRUCTION OF STREET CROSSING AT 3RD / DITMAN	225,408
131.00	110.02	STORM DRAIN SYSTEM AT 3RD / INDIANA- CONSTRUCTION	234,680
133.00	154.00	ECONOMIC PRICE ADJUSTMENT FOR CUSTOM TUNNEL CONSTRUCTION STEEL	495,256
134.00	71.04	BAGGAGE HANDLING CROSSING GATES	0
135.00	71.05	BAGGAGE HANDLING ROAD WATER LINE	0
136.00	124.01	TRACTION POWER SUBSTATION NUMBER 6	219,433
137.00	146.00	RESTRAINING RAIL FLANGEWAY WIDTH	155,528
138.00	156.00	TIME EXTENSION TO MITIGATE COMMUNITY IMPACTS DURING 2007/2008 HOLIDAY PERIOD	0
140.00	159.00	ECONOMIC PRICE ADJUSTMENT FOR STATION STRUCTURAL STEEL	140,424
141.00	107.00	TPSS NO. 1 REVISED LOCATION	156,736
141.00	107.01	TPSS NO. 1 REVISED LOCATION	0
142.00	35.01	INDIANA STATION RELOCATION ALTERNATIVE	21,896
144.00	167.00	QUANTITY ADJUSTMENT FOR UTILITY WORK BID ITEMS (C0803 SCHEDULE A2)	(67,274)
145.00	166.00	TPSS NO. 1 SITE PLAN	133,153
146.00	164.00	INDIANA STATION PARKING LOT WALLS (ENCANTO FURNITURE PROPERTY)	16,100

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**Current Contract Authorization for Modifications:** **42,031,430**

**Less Executed Modifications:**

<u>Mod #</u>	<u>CN #</u>	<u>Description</u>	
147.00	169.00	QUANTITY ADJUSTMENT FOR BID ITEM 02200.01, GENERAL EXCAVATION WORK	111,825
148.00	166.01	TPSS NO. 1 SITE PLAN - ADD REMOVABLE BOLLARDS	3,560
150.00	170.00	DIFFERING SITE CONDITIONS (DSC) AT UNION STATION	71,617
151.00	165.00	REVISE STREET RESTORATION LIMITS SEGMENT 1/2A	57,639
153.00	162.00	ADD STAINLESS STEEL TO MAP CASES	24,892

**Total Executed Modifications:** **10,642,670**

**Less Total Approved Change Orders (NTE's):**

<u>Change Notice #</u>	<u>Description</u>	
32.02	INSTALLATION AND TESTING OF TWO INTERLOCKINGS AT THE TUNNEL PORTALS IN LIEU OF THE CURRENT POWERED CROSSOVERS	200,000
80.04	TRAIN CONTROL SYSTEMS CAB SIGNALS	100,000
82.02	CONSTRUCTION - TRAIN CONTROL SYSTEM - ATLANTIC SIGNAL	100,000
89.06	ADDITIONAL TRAFFIC SIGNAL PRE-EMPTION ALONG THIRD STREET	200,000
107.02	INSTALLATION TPSS NO. 1	200,000

**Total Change Orders:** **800,000**

**Total value of all Contract Modifications and Change Orders:** **11,442,670**

**Balance available for future changes after disposition of Authorized Changes:** **30,588,760**

**Less Pending Modifications:** (Exact estimates not shown to preserve confidentiality of MTA negotiation position)

<u>Change Notice #</u>	<u>Description</u>	<u>Cost Range*</u>
14.00	MODIFICATIONS TO CORROSION CONTROL, SYSTEMS AND 34.5 KV DUCTBANKS	(Less than One Million)
14.04	MODIFICATIONS TO CORROSION CONTROL, SYSTEMS AND 34.5 KV DUCTBANKS	Less than One Million
32.02	INSTALLATION AND TESTING OF TWO INTERLOCKINGS AT THE TUNNEL PORTALS IN LIEU OF THE CURRENT POWERED CROSSOVERS (BALANCE OF COSTS)	Less than One Million
80.04	TRAIN CONTROL SYSTEMS CAB SIGNALS (BALANCE OF COSTS)	Less than One Million
82.02	CONSTRUCTION - TRAIN CONTROL SYSTEM - ATLANTIC SIGNAL (BALANCE OF COSTS)	Less than One Million
89.06	ADDITIONAL TRAFFIC SIGNAL PRE-EMPTION ALONG THIRD STREET (BALANCE OF COSTS)	Less than One Million
107.02	INSTALLATION TPSS NO. 1 (BALANCE OF COSTS)	Less than One Million



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### CONTRACT MODIFICATION REPORT

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**Current Contract Authorization for Modifications: 42,031,430**

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**Less Pending Modifications:** (Exact estimates not shown to preserve confidentiality of MTA negotiation position)

<u>Change Notice #</u>	<u>Description</u>	<u>Cost Range*</u>
123.00	THIRD STREET PAVEMENT SECTION	Less than One Million
145.00	FIRST STREET PAVEMENT SECTION	Less than One Million
147.00	SEGMENT 5 TRAFFIC SIGNALS	Less than One Million
152.00	TPSS NO. 1 SWITCHGEAR	Less than One Million
157.00	RADIO FREQUENCIES	Less than One Million
158.00	US 101 BRIDGE PLINTHS	Less than One Million
160.00	SOTO STATION ACCENT LIGHTING	Less than One Million
171.00	MILESTONE REVISIONS	Less than One Million
173.00	MOUNTABLE EMBEDDED CURB IN SEGMENTS 5,6 AND 7	Less than One Million

**Total Pending Rough Order of Magnitude Cost: 2,784,477**

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**Remaining Authorization for Modifications after Disposition of Pending Changes 27,804,283**

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\* Cost Range data is preliminary and may be revised as change notice scope is refined, estimates are prepared and Contract cost proposals are received. When available (and before negotiations are finalized) the Contractor's proposal value is usually used to project the remaining funds available. This tends to result in a "worst case" scenario. However, final negotiated values tend to end up in between the confidential Independent Cost Estimate and the Contractor's proposal. Not all pending change notices noted above become executed contract modifications – some are subsequently cancelled. Information presented is for the Metro Gold Line Eastside Extension Project 800088.