



Metro

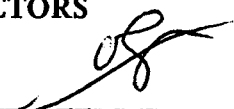
Metropolitan Transportation Authority


One Gateway Plaza
Los Angeles, CA 90012-2952

213.922.2000 Tel
metro.net

March 13, 2007

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 FEBRUARY 2007**

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 February 2007.

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 February 2007, there were nine new Contract Modifications and one executed Change Order (Not-to-Exceed).

| CM/CO/CN | Change Notice Description | Value |
|--------------------|--|------------|
| CM 53.00/CN 76.01 | First Street Bridge – Trackwork Modifications at Arch Section | (\$98,785) |
| CM 63.00/CN 67.00 | Universal Fare Collection System Communication Interface | \$61,716 |
| CM 67.00/CN 98.00 | Additional Cathodic Protection at Steel Rings | \$45,195 |
| CM 69.00/CN 64.00 | Cross-passages/Sump Structure Grouting Study | \$0 |
| CM 69.00/CN 64.02 | Cross-passages/Sump Structure Grouting Requirements and Excavation Methodology | \$991,805 |
| CM 70.00/CN 99.00 | Gas Detection Levels | \$2,285 |
| CM 71.00/CN 77.00 | Add Exhaust Ventilation Piping & Grating for East Portal Emergency Exit Hatch | \$6,400 |
| CM 72.00/CN 90.00 | Little Tokyo Walkway | \$49,577 |
| CM 73.00/CN 109.00 | Modify Nitrille Gasket Detail at Cross-passages | \$8,755 |
| CN 107.00 | TPSS No. 1 Revised Location | \$30,000 |

To date, for the tunnel, stations, trackwork and systems scope of work, there are 54 executed Contract Modifications for a combined value of \$3,639,720 and four approved Change Orders issued for a value of \$105,000. The total value of all Contract Modifications and Change Orders as of this report is \$3,744,720 as shown in Attachment A.

NEXT STEPS

Provide the Board the Contract Modification Report for the period ending March 2007.

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 |

**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> | |
|--------------|-------------|---|----------|
| 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 |
| 65.00 | 78.00 | TVM SCADA INTERFACE | 4,022 |
| 66.00 | 44.02 | CREMATORIUM ACCESS ROAD AND WALL MODIFICATIONS | 0 |
| 66.00 | 44.03 | CREMATORIUM ACCESS ROAD AND WALL MODIFICATIONS | 74,000 |

**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> | |
|--------------------------------------|-------------|---|------------------|
| 67.00 | 98.00 | ADDITIONAL CATHODIC PROTECTION AT STEEL RINGS | 45,195 |
| 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 |
| Total Executed Modifications: | | | 3,639,720 |

Less Total Approved Change Orders (NTE's):

| <u>Change Notice #</u> | <u>Description</u> | |
|-----------------------------|--|----------------|
| 71.00 | BAGGAGE HANDLING ROAD | 25,000 |
| 80.01 | TRAIN CONTROL SYSTEMS CAB SIGNALS | 20,000 |
| 89.04 | ADDITIONAL TRAFFIC SIGNAL PRE-EMPTION ALONG THIRD STREET | 30,000 |
| 107.00 | TPSS NO. 1 REVISED LOCATION | 30,000 |
| Total Change Orders: | | 105,000 |

Total value of all Contract Modifications and Change Orders: 3,744,720

Balance available for future changes after disposition of Authorized Changes: 38,286,710

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> |
|------------------------|---|-------------------------|
| 9.00 | WATER LINE & STORM DRAIN MODIFICATIONS BETWEEN GLESS STREET & MATTHEWS STREET | Less than One Million |
| 14.00 | MODIFICATIONS TO CORROSION CONTROL, SYSTEMS AND 34.5 KV DUCTBANKS | (Less than One Million) |
| 15.00 | VALUE ENGINEERING TO COMBINE TUNNEL CROSS PASSAGES & SUMP PUMP STRUCTURES | (Less than One Million) |
| 30.02 | CONSTRUCTION OF A MODIFIED ARRANGEMENT FOR ALL SUBSTATIONS | Less than One Million |
| 35.01 | INDIANA STATION RELOCATION ALTERNATIVE | Less than One Million |
| 71.00 | BAGGAGE HANDLING ROAD (BALANCE OF COSTS) | Less than One Million |
| 75.00 | PLATFORM END GATE INTRUSION DETECTION | Less than One Million |
| 80.01 | TRAIN CONTROL SYSTEMS CAB SIGNALS (BALANCE OF COSTS) | Less than One Million |

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

| <u>Change Notice #</u> | <u>Description</u> | <u>Cost Range*</u> |
|------------------------|---|-------------------------|
| 81.00 | EAST PORTAL WATER LINES REVISIONS | (Less than One Million) |
| 82.00 | TRAIN CONTROL SYSTEM - ATLANTIC SIGNAL | Less than One Million |
| 89.04 | ADDITIONAL TRAFFIC SIGNAL PRE-EMPTION ALONG THIRD STREET (BALANCE OF COSTS) | Less than One Million |
| 93.01 | BICYCLE RACKS AND LOCKERS | Less than One Million |
| 94.01 | INDIANA STREET GRIND AND OVERLAY | Less than One Million |
| 99.01 | GAS DETECTION LEVELS | Less than One Million |
| 103.00 | TRAFFIC SIGNAL SEGMENT 6 & 7 | Less than One Million |
| 107.00 | MODIFY TPS NO. 1 TO ACCOMMODATE FUTURE CAR WASH FACILITY (BALANCE OF COSTS) | Less than One Million |
| 110.00 | STORM DRAIN SYSTEM AT 3RD / INDIANA | Less than One Million |
| 111.00 | STREET CROSSING AT 3RD / DITMAN | Less than One Million |
| 113.00 | ECONOMIC PRICE ADJUSTMENT FOR STEEL TUNNEL LINERS | Less than One Million |
| 116.00 | AT-GRADE STATION TC&C ROOM | Less than One Million |
| 117.00 | THIRD STREET U-CHANNEL (DSC) | Less than One Million |

Total Pending Rough Order of Magnitude Cost: 961,019

Remaining Authorization for Modifications after Disposition of Pending Changes 37,325,692

* 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.

Rev 12 11/17/01 BOARD REPORT Project Action Transmittal History

| | | |
|--|--------------------|--------|
| PROJECT :METRO GOLD LINE EASTSIDE EXTENSION PROJECT (800088) | CONTRACT NO: C0803 | CO NO: |
|--|--------------------|--------|

CONTRACT TITLE: METRO GOLD LINE EASTSIDE EXTENSION PROJECT

CONTRACTOR/CONSULTANT: EASTSIDE LRT CONSTRUCTORS

ACTION: BOARD REQUESTED MONTHLY UPDATE ON CONTRACT MODIFICATIONS FOR METRO GOLD LINE EASTSIDE EXTENSION CONTRACTS - PERIOD ENDING FEBRUARY 2007.

| Seq# | Position | Name | Initials | Date |
|------|----------|------|----------|------|
|------|----------|------|----------|------|

| | | | | |
|-----|-----------------------------------|-------------|-----|--|
| (1) | Management Audit Services Depart. | Ruth Holden | N/A | |
|-----|-----------------------------------|-------------|-----|--|

Audit Completed? Yes No Issues to be resolved? Yes No

Issue:

| | | | | |
|-----|--------------------------------|----------------|-----|--|
| (2) | Legal (applies only to AB1869) | County Counsel | N/A | |
|-----|--------------------------------|----------------|-----|--|

Review Completed? Yes No Issues to be resolved? Yes No

Issue:

| | | | | |
|-----|---|-------------|-----|-----------|
| (3) | Project Control Manager (Construction Only) | Rick Wilson | RBW | 16 MAR 07 |
|-----|---|-------------|-----|-----------|

| | | | | |
|-----|------------------------------------|--------------|-----|--|
| (4) | Deputy Exec. Officer, Construction | Eli Choueiry | N/A | |
|-----|------------------------------------|--------------|-----|--|

| | | | | |
|-----|-------------|-------------------|----|---------|
| (5) | Procurement | Bruce Warrensford | BW | 3/16/07 |
|-----|-------------|-------------------|----|---------|

| | | | | |
|-----|-------------------------------|-------------------|-----|--|
| (6) | Office of Management & Budget | Michelle Caldwell | N/A | |
|-----|-------------------------------|-------------------|-----|--|

Funds Available? Yes No Budget Line Item:

Issue: See discussion in Board Report regarding availability of state funding.

| | | | | |
|-----|-------------------|-------------|----|---------|
| (7) | Executive Officer | Dennis Mori | DM | 3/16/07 |
|-----|-------------------|-------------|----|---------|

| | | | | |
|-----|----------------------------------|----------------|----|---------|
| (8) | Chief Capital Management Officer | Richard Thorpe | RT | 3/19/07 |
|-----|----------------------------------|----------------|----|---------|

| | | | | |
|-----|-------------------------|--------------|--|--|
| (9) | Chief Executive Officer | Roger Snoble | | |
|-----|-------------------------|--------------|--|--|

Process by Seq. #, return to Olivia Ford (2-7229) and for questions call Rick Wilson Ext: 2-7339