



**Metro**

Metropolitan Transportation Authority

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July 23, 2004

**TO: BOARD OF DIRECTORS**

**THROUGH: ROGER SNOBLE**  
**CHIEF EXECUTIVE OFFICER**

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

**SUBJECT: BOARD REQUESTED MONTHLY UPDATE ON CONTRACT**  
**MODIFICATIONS FOR METRO ORANGE LINE CONTRACTS -**  
**PERIOD ENDING JUNE 2004**

**ISSUE**

With the February 2003 adoption of the Project Budgets for the Metro Orange Line Busway and Bikeway Projects, the MTA Board of Directors requested that a monthly update for the construction contracts showing all executed and pending Contract Modifications and remaining Contract Modification authority value be sent to the Construction Committee for their information. The Contract Modification Report in Attachment A reflects the status of the Design/Build construction contract for the Metro Orange Line Busway and Bikeway Projects, as of the end of June 2004. In addition, Attachment B includes contract actions for the Los Angeles Department of Water and Power Recycled Water Pipeline Project a portion of which is being constructed by the Design/Build Contractor.

**RATIONALE**

On February 27, 2003, the MTA Board of Directors approved the adoption of the budgets for the Metro Orange Line Busway for a baseline value of \$329,500,000 and the Metro Orange Line Bikeway for a baseline value of \$8,100,000. Within these budgets, the MTA Board authorized the Chief Executive Officer to execute contract modifications for Metro Orange Line Busway and Bikeway up to \$15,109,502, subject to monthly project reporting requirements and Board approved contract dollar limitations.

## STATUS

### Contract C0675 Metro Orange Line: Shimmick Construction Co., Inc./Obayashi Corporation, J.V. excluding LADWP Recycled Water Pipeline Project scope (Attachment A)

During the month of June 2004, there were two new executed Contract Modifications and no new executed Change Orders (Not-to-Exceed).

| CM/CO/CN No.      | Change Notice Description  | Value    |
|-------------------|--|----------|
| CM 5.01/CN22.01   | ROW modification between Vineland Ave. and Fair Ave.               | \$2,040  |
| CM 28.00/CN 52.00 | Modifications to Universal Fare Collection communication interface | \$48,505 |

To date, for the busway and bikeway scope of work, there are 18 executed Contract Modifications for a combined value of \$831,043 and 28 approved Change Orders issued for a combined value of \$3,703,928. Of the 18 executed Contract Modifications four are deductive changes and one is a no cost change. The total value of all Contract Modifications and Change Orders as of this report is \$4,534,971.

The Contractor has submitted a global schedule recovery plan with associated costs. MTA staff is reviewing the plan and is working with the Contractor to negotiate a bilateral Contract Modification to resolve and mitigate all schedule delays. It is anticipated that the MTA is responsible for a portion of the acceleration costs required to maintain the August 2005 Revenue Operation Date. The potential acceleration costs are included within the "pending modifications" value. (See page 3 of Attachment A)

### LADWP Recycled Water Pipeline – Contract No. C0675 Metro Orange Line (Attachment B)

During the month of June 2004, there were no new executed Recycled Water Pipeline Contract Modification and no new Change Orders.

To date, there are three Contract Modifications and five executed Change Orders (Not-to-Exceed) for the LADWP Recycled Water Pipeline. These changes are shown in Attachment B and total to \$1,343,135 against the current MTA Board authorization of \$2,500,000.

## NEXT STEPS

Provide the MTA Board of Directors with the Metro Orange Line Busway and Bikeway Contract Modification Report for the period ending July 2004.

## ATTACHMENTS

- A. Contract No. C0675 Metro Orange Line Design/Build Contract Modification Report
- B. Los Angeles Department of Water and Power Recycled Water Pipeline Contract Modification Report

**ATTACHMENT A  
METRO ORANGE LINE  
CONTRACT MODIFICATION REPORT**

CONTRACT C0675, DESIGN BUILD - SHIMMICK - OBAYASHI, JV

Current Contract Authorization for Modifications:

**\$15,109,502**

**Less Executed Modifications:**

| <u>Mod #</u>                | <u>CN #</u> | <u>Description</u>  |                  |
|-----------------------------|-------------|---|------------------|
| 7.00                        | 3.00        | DELETE WORK ASSOCIATED WITH PARKING LOT AT TYRONE AND BESSEMER AVENUES (Deductive Change)   | (\$74,280)       |
| 2.00                        | 5.00        | DELETE AERIAL PHOTOGRAPHY & WORK ASSOCIATED WITH SECTION 1380.DB-2.3 (Deductive Change)   | (\$10,395)       |
| 22.00                       | 6.00        | UPGRADE LOS ANGELES BUREAU OF STREET SERVICES (BSS) ACCESS ROAD EASEMENT- DESIGN AND CONSTRUCTION (remaining effort for construction not in 6.01) | \$182,575        |
| 14.00                       | 6.01        | UPGRADE LABSS ACCESS ROAD EASEMENT (DESIGN)   | \$25,322         |
| 6.00                        | 7.00        | MODIFY R VALUES AT CERTAIN LOCATIONS  | \$40,614         |
| 4.00                        | 8.00        | DELETION OF TWO TRAFFIC SIGNAL CONTROLLERS (Deductive Change)   | (\$35,831)       |
| 21.00                       | 9.00        | REPLACE THE EXISTING SIGNAL HEADS FROM INCANDESCENT LAMP USE WITH LIGHT EMITTING DIODES (Initial Start of Design)                                 | \$450,533        |
| 3.00                        | 11.00       | LABOR COMPLIANCE MANUAL   | \$0              |
| 9.00                        | 13.00       | DELETION OF DESIGN & INSTALLATION OF RACEWAY & FIBER OPTIC CABLE IN USG P-2 AREA (Deductive Change)   | (\$21,076)       |
| 8.00                        | 16.00       | REMOVE UNSUITABLE MATERIAL ON ROW NEAR CEDROS AVE.  | \$29,037         |
| 11.00                       | 21.00       | REMOB OF DEMO CONTRACTOR DUE TO UTILITY DISCONNECT  | \$4,760          |
| 5.01                        | 22.01       | ROW MODIFICATION BETWEEN VINELAND AVE & FAIR AVE  | \$2,040          |
| 17.00                       | 33.00       | COMPENSATION FOR REMOB OF PARCEL DEMO 1801, 2201 & 2202   | \$9,520          |
| 19.00                       | 34.00       | REVISE TRAFFIC INDEX (TI) & REDESIGN ASPHALT CONCRETE PAVEMENT FOR BUSWAY PORTIONS (STA646+83 TO 726+30)  | \$88,500         |
| 18.00                       | 36.00       | PARTNERING REIMBURSEMENT FOR CHARLES E. COWAN   | \$40,000         |
| 20.01                       | 40.01       | UPGRADE BUSWAY THERMOPLASTIC EDGE STRIPING TO RAISED INVERT PROFILE THERMOPLASTIC STRIPING  | \$35,727         |
| 23.00                       | 51.00       | EXPAND LIMITS OF CONSTRUCTION AT VESPER AVENUE  | \$15,492         |
| 28.00                       | 52.00       | MODIFICATIONS TO UNIVERSAL FARE COLLECTION COMMUNICATION INTERFACE  | \$48,505         |
| <b>Total Modifications:</b> |             |   | <b>\$831,043</b> |

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

| <u>Change Notice #</u> | <u>Description</u>   |           |
|------------------------|--|-----------|
| 1.01                   | EXPAND OFFICE SPACE FOR INTEGRATED PROJECT MANAGEMENT OFFICE (Unilateral)                        | \$181,043 |
| 12.03                  | INCORPORATE RUBBERIZED ASPHALT PAVEMENT  | \$90,000  |
| 14.03                  | DESIGN OF THE NEW SIGNALIZED INTERSECTION AT CHANDLER BLVD SOUTH & LEGHORN AVE IN THE CITY OF LA | \$40,000  |

**ATTACHMENT A  
METRO ORANGE LINE  
CONTRACT MODIFICATION REPORT**

CONTRACT C0675, DESIGN BUILD - SHIMMICK -OBAYASHI, JV

Current Contract Authorization for Modifications:

**\$15,109,502**

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

| <u>Change Notice #</u> | <u>Description</u>   |             |
|------------------------|--|-------------|
| 19.01                  | SEPULVEDA PARK AND RIDE MODIFICATIONS  | \$8,000     |
| 20.01                  | DESIGN WORK AUTHORIZATION FOR CN 20.00 REV OF SOUNDWALL LIMITS                                     | \$25,000    |
| 24.01                  | AUTHORIZE DESIGN WORK ON DIVISION 8 MODIFICATIONS  | \$50,000    |
| 25.00                  | REPLACE PVC CONDUIT W/ HDPE CONDUIT & OTHER REQUIREMENTS<br>(Unilateral Deductive Change)          | (\$441,115) |
| 27.01                  | BIKE PATH ENHANCEMENTS (Striping & 2' widening of AC)  | \$66,000    |
| 28.01                  | MODIFY BUSWAY HORIZONTAL ALIGNMENT AT I-405  | \$15,000    |
| 28.02                  | MODIFY BUSWAY HORIZONTAL ALIGNMENT AT I-405 (NTE)  | \$20,000    |
| 30.01                  | COMMUNICATIONS EQUIPMENT AT WARNER CENTER PKG LOT  | \$15,000    |
| 31.00                  | REVISED MAP CASE DWGS TO SUPERCEDE EXHIBIT 3-3 (Unilateral)  | \$0         |
| 35.01                  | REVISE TRAFFIC INDEX (TI) FOR BUSWAY PAVEMENT  | \$600,000   |
| 39.00                  | BETTERMENT IMPROVEMENTS TO USE TYRONE AS A STREET (Widening)                                       | \$20,000    |
| 41.00                  | REMOVAL OF CONTAMINATED SOILS FOR LANDSCAPING  | \$90,000    |
| 41.01                  | NTE INCREASE: REMOVAL OF CONTAMINATED SOILS  | \$900,000   |
| 43.00                  | FENCING FOR HAZARDOUS SOILS  | \$40,000    |
| 44.01                  | TEMPORARY CHAIN LINK FENCING ALONG THE RIGHT OF WAY  | \$90,000    |
| 44.02                  | NTE INCREASE: TEMP CHAIN LINK FENCING ALONG THE ROW  | \$110,000   |
| 45.00                  | MODIFICATIONS AT VICTORY/VARIEL TO ACCOMMODATE THE WARNER CENTER PARK AND RIDE FACILITY            | \$45,000    |
| 47.00                  | FURNISH AND INSTALL STORM DRAINAGE SYSTEM BETWEEN TYRONE AND HAZELTINE AVENUES                     | \$90,000    |
| 47.01                  | ADDL AUTHORIZATION: FURNISH AND INSTALL STORM DRAINAGE SYSTEM BETWEEN TYRONE AND HAZELTINE AVENUES | \$890,000   |
| 48.00                  | SCHEDULE MITIGATION REQUIRED FOR CONTAMINATED SOILS  | \$90,000    |
| 48.01                  | NTE INCREASE: SCHEDULE MITIGATION REQUIRED FOR CONTAMINATED SOILS                                  | \$190,000   |
| 49.00                  | REDWOOD HEADERS  | \$90,000    |
| 49.01                  | REDWOOD HEADERS: ADDITIONAL AUTHORIZATION  | \$210,000   |
| 53.00                  | LADOT BETTERMENT AT RESEDA, CORBIN AND WILBUR  | \$90,000    |

**ATTACHMENT A  
METRO ORANGE LINE  
CONTRACT MODIFICATION REPORT**

CONTRACT C0675, DESIGN BUILD - SHIMMICK -OBAYASHI, JV

Current Contract Authorization for Modifications: **\$15,109,502**

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

| <u>Change Notice #</u>      | <u>Description</u>             | <u>Cost</u>        |
|-----------------------------|--------------------------------|--------------------|
| 56.00                       | TEMPORARY OR PERMANENT FENCING | \$90,000           |
| <b>Total Change Orders:</b> |                                | <b>\$3,703,928</b> |

Total value of all Contract Modifications and Change Orders: **\$4,534,971**

Balance available for future changes after disposition of Authorized Changes: **\$10,574,531**

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

| <u>Change Notice #</u> | <u>Description</u>  | <u>Cost Range*</u>    |
|------------------------|---|-----------------------|
| 12.03                  | INCORPORATE RUBBERIZED ASPHALT PAVEMENT (bal of estimated costs)  | Less than One Million |
| 14.01                  | DESIGN OF THE NEW SIGNALIZED INTERSECTION AT CHANDLER BLVD SOUTH & LEGHORN AVE IN THE CITY OF LA                                  | Less than One Million |
| 14.02                  | CONSTRUCTION OF ADDITIONAL SIGNALIZED INTERSECTION AT CHANDLER BLVD SOUTH & LEGHORN AVE IN THE CITY OF LA                         | Less than One Million |
| 17.00                  | ACCESS TO NO HOLLYWOOD PKG LOT BY FAST TRACK CONSTRUCTION   | Less than One Million |
| 19.01                  | SEPULVEDA PARK AND RIDE MODIFICATIONS - DESIGN REVISIONS  | Less than One Million |
| 19.02                  | SEPULVEDA PARK AND RIDE MODS - CONSTRUCTION REVISIONS   | Less than One Million |
| 20.00                  | REVISION OF SOUNDWALL LIMITS ADJACENT TO CROSS STREETS  | Less than One Million |
| 20.01                  | DESIGN WORK AUTHORIZATION FOR CN 20.00 (balance of est costs)   | Less than One Million |
| 24.01                  | AUTHORIZE DESIGN WORK ON DIVISION 8 MODIFICATIONS (bal of estimated costs)  | Less than One Million |
| 25.00                  | REPLACE PVC CONDUIT W/ HDPE CONDUIT & OTHER REQUIREMENTS (balance of estimated costs)   | Less than One Million |
| 27.00                  | BIKE PATH ENHANCEMENTS (Striping & 2' widening of AC)   | Less than One Million |
| 28.01                  | MODIFY BUSWAY HORIZONTAL ALIGNMENT IN THE VICINITY OF THE I-405 (bal of estimated costs)  | Less than One Million |
| 29.00                  | SYSTEMS PASSENGER INFORMATION SYSTEM SOFTWARE MODIFICATION AND EQUIPMENT PROCUREMENT  | Less than One Million |
| 30.01                  | COMMUNICATIONS EQUIPMENT FOR FUTURE WARNER CENTER PARK AND RIDE FACILITY (bal of estimated costs)                                 | Less than One Million |
| 32.00                  | ADD DISPUTED REVIEW BOARD TO CONTRACT   | Less than One Million |
| 35.00                  | REVISE TRAFFIC INDEX AND INCREASE ASPHALT CONCRETE PAVEMENT THICKNESS FOR BUSWAY (bal of estimated costs)                         | Less than One Million |
| 38.04                  | COMMUNITY LANDSCAPE ENHANCEMENT: DELETE TEMP DRIP IRRIGATION & ADD PERM IRRIGATION SYSTEM & UPGRADE FOR FUTURE RECYCLED WATER USE | More than One Million |



