



Metro

Metropolitan Transportation Authority

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June 30, 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 MAY 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 May 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 May 2004, there were four new executed Contract Modifications and four Change Orders (Not-to-Exceed).

CM/CO/CN No.	Change Notice Description	Value
CM 22.00/CN 6.00	Upgrade Los Angeles BSS access Road Easement	\$182,575
CM 4.00/CN 8.00	Deletion of two traffic signal heads	(\$35,831)
CM 20.01/CN 40.01	Upgrade busway thermoplastic edge striping to raised inverted profile thermoplastic striping	\$35,727
CM 23.00/CN 51.00	Expand limits of construction at Vesper Avenue	\$15,492
CO/CN 49.00	Redwood headers at edge of asphalt (Bikeway)	\$90,000
CO/CN 49.01	Redwood headers at edge of asphalt additional authorization (Bikeway)	\$210,000
CO/CN 53.00	LADOT betterments at Reseda, Corbin and Wilbur	\$90,000
CO/CN 56.00	Temporary or permanent fencing	\$90,000

To date, for the busway and bikeway scope of work, there are 16 executed Contract Modifications for a combined value of \$780,498 and 29 approved Change Orders issued for a combined value of \$3,736,928. Of the 16 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 \$4,517,426.

MTA has requested the Contractor to provide a global schedule recovery plan with associated costs. 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 acceleration costs will be funded out of the remaining authorization for modification value of \$4,952,027. (see page 4 of Attachment A)

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

During the month of May 2004, there was one 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 June 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
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
Total Modifications:			\$780,498

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
19.01	SEPULVEDA PARK AND RIDE MODIFICATIONS	\$8,000

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>	
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 (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
52.00	MODIFICATIONS TO UNIVERSAL FARE COLLECTION COMMUNICATION INTERFACE	\$33,000

**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>	
53.00	LADOT BETTERMENT AT RESEDA, CORBIN AND WILBUR	\$90,000
56.00	TEMPORARY OR PERMANENT FENCING	\$90,000
Total Change Orders:		\$3,736,928

Balance available for future changes after disposition of Authorized Changes: **\$10,592,076**

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
22.01	RIGHT OF WAY MODIFICATION BETWEEN VINELAND AVE & FAIR AVE	Less than One Million
24.00	NEW CRANE STRUCTURE & CATWALK; DELETE 1 of 2 CRANES AT DIVISION 8	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
26.00	INCORPORATE ADJUSTED DBE COMMITMENTS	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

**ATTACHMENT B
METRO ORANGE LINE - LADWP RECYCLED WATER PIPELINE
CONTRACT MODIFICATION REPORT**

CONTRACT C0675, DESIGN BUILD - SHIMMICK -OBAYASHI, JV - LADWP RECYCLED WATER PIPELINE (RWP)

Current Contract Authorization for Modifications: **\$2,500,000**

Less Executed Modifications:

<u>Mod #</u>	<u>CN #</u>	<u>Description</u>	
16.00	10.04	DWP RECYCLED WATER PIPELINE AT TUJUNGA WASH BRIDGE	128,020
16.00	10.05	DWP RECYCLED WATER PIPELINE AT BULL CREEK BRIDGE	143,759
16.00	10.14	DWP RECYCLED WATER PIPELINE AT BULL CREEK & TUJUNGA WASH	0
12.01	10.16	RECYCLED WATER LINE EXTENSIONS AT THE TUJUNGA WASH BRIDGE	125,120
12.01	10.17	RECYCLED WATER LINE EXTENSIONS AT THE BULL CREEK BRIDGE	398,736
24.00	10.18	DWP RECYCLED WATER PIPELINE EXTENSIONS AT THE LA RIVER BRIDGE (both sides)	322,500
Total Modifications:			\$1,118,135

Less Total Approved Change Orders (NTE's):

<u>Change Notice #</u>	<u>Description</u>	
10.01	POTHOLING AND DESIGN OF DWP RECYCLED WATERLINE AT SELECT EXISTING ROADWAY INTERSECTIONS	90,000
10.02	ADDED POTHOLING AND DESIGN OF DWP RECYCLED WATERLINE AT SELECT EXISTING ROADWAY INTERSECTIONS	90,000
10.03	DESIGN AND INSTALL DWP RWP AT THREE (3) INTERSECTIONS OF THE EAST END (Bellairs, Chandler, Whitsett) - TO BE CANCELLED	0
10.10	VERIFY PRESTRESSED GIRDER CALCULATIONS FOR DWP RWP LOADS	5,000
10.12	SOJV DESIGN ENGINEER COORDINATION WITH DWP CONSULTANT - BOYLE ENGINEERING	40,000
Total Change Orders:		\$225,000

Balance available for future changes after Disposition of Authorized Changes: **\$1,156,865**

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>
	NONE	NONE
Total Pending Rough Order of Magnitude Cost:		NONE
Projected Remaining Authorization for Modifications after Disposition of Pending Changes:		\$1,156,865

*Cost Range data is preliminary and may be revised as change notice scope is refined, estimates are prepared and Contractor 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. 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.

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

CONTRACT C0675, DESIGN BUILD - SHIMMICK - OBAYASHI, JV

Current Contract Authorization for Modifications:

\$15,109,502

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>
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)	More than One Million
38.03	COMMUNITY LANDSCAPE ENHANCEMENT: DELETE TEMP DRIP IRRIGATION & ADD PERM IRRIGATION SYSTEM & UPGRADE FOR FUTURE RECYCLED WATER USE	More than One Million
39.00	BETTERMENT IMPROVEMENTS TO USE TYRONE AS A STREET (widening)	Less than One Million
41.00	REMOVAL OF CONTAMINATED SOILS FOR LANDSCAPING (bal of estimated costs)	Less than One Million
42.00	DELETE REQUIREMENTS FOR DECORATIVE STAMPING AND TEXTURE ON CROSSWALKS (Deductive Change)	Less than One Million
43.00	FENCING FOR HAZARDOUS SOILS (bal of estimated costs)	Less than One Million
44.01	TEMPORARY CHAIN LINK FENCE ALONG THE RIGHT OF WAY (bal of estimated costs)	Less than One Million
45.00	MODIFICATIONS AT VICTORY/VARIEL TO ACCOMMODATE THE WARNER CENTER PARK AND RIDE FACILITY (bal of estimated costs)	Less than One Million
46.00	LANDSCAPING AND IRRIGATION MODIFICATIONS AT VICTORY/VARIEL TO ACCOMMODATE THE WARNER CENTER PARK AND RIDE FACILITY	Less than One Million
47.00	FURNISH AND INSTALL STORM DRAINAGE SYSTEM BETWEEN TYRONE AND HAZELTINE AVENUES (bal of estimated costs)	More than One Million
48.00	SCHEDULE MITIGATION REQUIRED FOR CONTAMINATED SOILS AND EXCESS RAIN (bal of estimated costs)	Less than One Million
52.00	MODIFICATIONS TO UNIVERSAL FARE COLLECTION COMMUNICATION INTERFACE (bal of estimated costs)	Less than One Million

Total Pending Rough Order of Magnitude Cost: \$5,640,049

Projected Remaining Authorization for Modifications after Disposition of Pending Changes:

\$4,952,027

*Cost Range data is preliminary and may be revised as change notice scope is refined, estimates are prepared and Contractor 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.