



Metro


Metropolitan Transportation Authority


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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 FEBRUARY 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 February 2004. The Los Angeles River Bridge Contract has been successfully completed and is no longer included in this report. 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 February 2004, there were three new executed Contract Modifications and eight Change Orders (Not-to-Exceed).

CM/CO/CN No.	Change Notice Description	Value
CM 17/CN 33.00	Compensation for remobilization of demolition contractor	\$9,520
CM 19/CN 34.00	Revise traffic index & redesign asphalt concrete pavement for busway portions (STA 646+83 to STA 726+30)	\$88,500
CM 18/CN 36.00	Partnering reimbursement	\$40,000
CO/CN 20.01	Design work authorization for CN 20.00 revision of soundwall limits	\$25,000
CO/CN 24.01	Authorized design work on Division 8 modifications	\$50,000
CO/CN 28.02	Modify busway horizontal alignment at I-405	\$20,000
CO/CN 31.00	Revised map case drawings to supercede exhibit 3-3	\$0
CO/CN 37.00	Irrigation system pipe size revisions & upgrade pipe for future recycled water use	\$45,000
CO/CN 41.00	Removal of contaminated soils for landscaping	\$90,000
CO/CN 41.01	Increase for removal of contaminated soils	\$900,000
CO/CN 44.00	Utility snow fencing along the right of way	\$80,000

To date, for the busway and bike/pedestrian path scope of work, there are 11 executed Contract Modifications for a combined value of \$132,002 and 16 approved Change Orders issued for a combined value of \$1,717,928. Of the 11 executed Contract Modifications three are deductive changes and one is a no cost change. The total value of all Contract Modifications and Change Orders as of this report are \$1,849,930.

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

During the month of February 2004, there was one new executed Recycled Water Pipeline Contract Modification and no new Change Orders.

CM/CO/CN No.	Change Notice Description	Value
CM 16/CN 10.04, 10.05 & 10.14	DWP Recycled Water Pipeline at Tujunga Wash and Bull Creek Bridges	\$271,779

To date, there is one Contract Modification and five executed Change Orders (NTE's) for the LADWP Recycled Water Pipeline. These changes are shown in Attachment B and total to

\$496,779 against the current MTA Board authorization of \$2,500,000. The total amount is lower than what was reported last period due to one Change Order being cancelled.

NEXT STEPS

Provide the MTA Board of Directors with the Metro Orange Line Busway and Bikeway Contract Modification Report for the period ending March 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)
14.00	6.01	UPGRADE LABSS ACCESS ROAD EASEMENT (DESIGN)	\$25,322
6.00	7.00	MODIFY R VALUES AT CERTAIN LOCATIONS	\$40,614
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
Total Modifications:			\$132,002

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
9.00	REPLACE THE EXISTING SIGNAL HEADS FROM INCANDESCENT LAMP USE WITH LIGHT EMITTING DIODES (Initial Start of Design)	\$2,000
12.03	INCORPORATE RUBBERIZED ASPHALT PAVEMENT	\$90,000
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 (Unilateral Deductive Change)	(\$441,115)
27.01	BIKE PATH ENHANCEMENTS	\$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

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

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

CONTRACT C0675, DESIGN BUILD - SHIMMICK -OBAYASHI, JV

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

<u>Change Notice #</u>	<u>Description</u>	
37.00	IRRIGATION SYSTEM PIPE SIZE REVISIONS & UPGRADE PIPE FOR FUTURE RECYCLED WATER USE	\$45,000
41.00	REMOVAL OF CONTAMINATED SOILS FOR LANDSCAPING	\$90,000
41.01	NTE INCREASE: REMOVAL OF CONTAMINATED SOILS	\$900,000
44.00	UTILITY SNOW FENCING ALONG THE RIGHT OF WAY	\$80,000
Total Change Orders:		\$1,717,928
Balance available for future changes after disposition of Authorized Changes:		\$13,259,572

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>
6.00	UPGRADE LOS ANGELES BUREAU OF STREET SERVICES (BSS) ACCESS ROAD EASEMENT- DESIGN AND CONSTRUCTION (remaining effort for construction not in 6.01)	Less than One Million
8.00	DELETION OF TWO TRAFFIC SIGNAL CONTROLLERS (Deductive Change)	Less than One Million
9.00	REPLACE THE EXISTING SIGNAL HEADS FROM INCANDESCENT LAMP USE WITH LIGHT EMITTING DIODES (Balance of Work)	Less than One Million
12.03	INCORPORATE RUBBERIZED ASPHALT PAVEMENT	More 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
19.00	SEPULVEDA PARK AND RIDE MODIFICATIONS	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	Less than One Million
22.00	REROUTE FIBER OPTIC DUCT BANK EAST OF LANKERSHIM BLVD	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	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	Less than One Million

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

**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 BRIDGES	0
Total Modifications:			\$271,779

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) - 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: **\$2,003,221**

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>
10.12	SOJV DESIGN ENGINEER COORDINATION WITH DWP CONSULTANT - BOYLE ENGINEERING	Less than One Million
10.16	RECYCLED WATER LINE EXTENSIONS AT THE TUJUNGA WASH BRIDGE	Less than One Million
10.17	RECYCLED WATER LINE EXTENSIONS AT THE BULL CREEK BRIDGE	Less than One Million
Total Pending Rough Order of Magnitude Cost:		\$64,350

Projected Remaining Authorization for Modifications after Disposition of Pending Changes: **\$1,938,871**

*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.