





Metro

September 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 AUGUST 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 August 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. On July 22, 2004, the MTA Board of Directors adopted a budget increase for the Metro Orange Line Bikeway for a new baseline value of \$10,637,860. Additionally, the Chief Executive Officer authorization to execute contract modifications for Metro Orange Line Busway and Bikeway was increased by \$2,232,500 to \$17,342,002, 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 August 2004, there were no new executed Contract Modifications and two new executed Change Orders (Not-to-Exceed).

CM/CO/CN No.	Change Notice Description	Value
CO/CN 72.00	Standby and Safety work related to work suspension	\$600,000
CO/CN 72.01	Additional Authorization: Standby and Safety work related to work suspension	\$390,000

To date, for the busway and bikeway scope of work, there are 21 executed Contract Modifications for a combined value of \$2,249,357 and 32 approved Change Orders issued for a combined value of \$5,032,928. Of the 21 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 \$7,282,285.

This Report does not include all potential contract modifications that will be required due to the California Court of Appeal stay of the Project issued on August 2, 2004 and the subsequent MTA suspension issued on August 3, 2004 and lifting of suspension on August 26, 2004 to the C0675 Design/Build Contractor. The total cost impact is still under review with the C0675 Design/Build Contractor.

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

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

To date, there are three Contract Modifications and four 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 September 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:

\$17,342,002

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
29.00	27.00	BIKE PATH ENHANCEMENTS	\$295,415
27.00	29.00	SYSTEMS PASSENGER INFO SYSTEM SOFTWARE MODEL	\$92,661
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
26.00	38.04	COMMUNITY LANDSCAPE ENHANCEMENT	\$1,030,238
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
Total Modifications:			\$2,249,357

ATTACHMENT A
METRO ORANGE LINE
CONTRACT MODIFICATION REPORT

CONTRACT C0675, DESIGN BUILD - SHIMMICK -OBAYASHI, JV

Current Contract Authorization for Modifications:

\$17,342,002

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
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
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)
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 PARKING LOT	\$15,000
30.02	COMMUNICATIONS EQUIPMENT FOR FUTURE WARNER CENTER PARKING LOT	\$75,000
31.00	REVISED MAP CASE DWGS TO SUPERCEDE EXHIBIT 3-3 - (CANCELLED AUG 2004 PERIOD)	\$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

ATTACHMENT A
METRO ORANGE LINE
CONTRACT MODIFICATION REPORT

CONTRACT C0675, DESIGN BUILD - SHIMMICK -OBAYASHI, JV

Current Contract Authorization for Modifications:

\$17,342,002

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

<u>Change Notice #</u>	<u>Description</u>	
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
56.00	TEMPORARY OR PERMANENT FENCING	\$90,000
58.00	SCHEDULE MITIGATION REQUIRED FOR TRAFFIC INDEX CHANGE	\$300,000
64.00	ACCELERATE THE WORK AT THE WOODMAN AVE INTERSECTION	\$30,000
72.00	STANDBY AND SAFETY WORK RELATED TO WORK SUSPENSION	\$600,000
72.01	ADDL AUTHORIZATION: STANDBY AND SAFETY WORK RELATED TO WORK SUSPENSION	\$390,000
Total Change Orders:		\$5,032,928

Total value of all Contract Modifications and Change Orders:

\$7,282,285

Balance available for future changes after disposition of Authorized Changes:

\$10,059,717

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>
1.01	NTE: EXPANDED SPACE FOR PROJECT INTEGRATED OFFICE	Less than One Million
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
14.04	SIDEWALK TO BE ADDED ON THE NORTH SIDE OF CHANDLER BLVD BETWEEN ETHEL/LEGHORN AND COLDWATER CANYON	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

ATTACHMENT A
METRO ORANGE LINE
CONTRACT MODIFICATION REPORT

CONTRACT C0675, DESIGN BUILD - SHIMMICK -OBAYASHI, JV

Current Contract Authorization for Modifications:

\$17,342,002

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>
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
28.01	MODIFY BUSWAY HORIZONTAL ALIGNMENT IN THE VICINITY OF THE I-405 (bal of estimated costs)	Less than One Million
28.02	MODIFY BUSWAY HORIZONTAL ALIGNMENT AT I-405 (NTE)	Less than One Million
30.01	COMMUNICATIONS EQUIPMENT FOR FUTURE WARNER CENTER PARK AND RIDE FACILITY (bal of estimated costs)	Less than One Million
31.01	REVISED MAP CASE DRAWINGS TO SUPERSEDE EXHIBIT 3-3	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
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
44.02	NTE INCREASE: TEMP CHAIN LINK FENCING ALONG THE ROW	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
47.01	ADDL AUTHORIZATION: FURNISH AND INSTALL STORM DRAINAGE SYSTEM BETWEEN TYRONE AND HAZELTINE AVENUES	Less than One Million
48.00	SCHEDULE MITIGATION REQUIRED FOR CONTAMINATED SOILS AND EXCESS RAIN (bal of estimated costs)	Less than One Million
48.01	NTE INCREASE: SCHEDULE MITIGATION REQUIRED FOR CONTAMINATED SOILS	Less than One Million

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

CONTRACT C0675, DESIGN BUILD - SHIMMICK -OBAYASHI, JV

Current Contract Authorization for Modifications:

\$17,342,002

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>
49.00	REDWOOD HEADERS	Less than One Million
53.00	LADOT BETTERMENT AT RESEDA, CORBIN AND WILBUR (bal of estimated costs)	Less than One Million
54.00	REVISED SOUND WALL LIMITS	Less than One Million
55.00	DRAFT - 20 VS 40 SCALE DRAWINGS FOR LABSL BIKEWAY PLANS (CLAIM NO. 03)	Less than One Million
56.00	TEMPORARY OR PERMANENT FENCING AT THE DIRECTION OF THE MTA	Less than One Million
57.00	STATION AND CANOPY MATERIALS AT CANOGA AVENUE (WARNER CENTER PARK-N-RIDE)	Less than One Million
58.00	SCHEDULE MITIGATION FOR TRAFFIC INDEX	Less than One Million
60.00	LENGTHEN THE NORTH HOLLYWOOD TURNAROUND	Less than One Million
61.00	GLOBAL SCHEDULE SETTLEMENT FOR ALL DESIGN / CONSTRUCTION ISSUES PRIOR TO JULY 2, 2004	More than One Million
62.00	REVISE FIELD LAYOUT OF SAV MACHINES ON STATION PLATFORMS TO FORM A 'VIRTUAL GATE'	Less than One Million
63.01	DRAFT - LANDSCAPING SOIL AMENDMENTS	Less than One Million
64.00	ACCELERATE THE WORK AT THE WOODMAN AVE INTERSECTION	Less than One Million
65.00	BESSEMER AVE/TYRONE AVE STORM DRAIN SYSTEM CONNECTIONS	Less than One Million
66.00	REDESIGN 100% SEPULVEDA PARK AND RIDE	Less than One Million
67.00	DELETE THE WORK ASSOCIATED WITH THE PLACEMENT OF 7-FOOTINGS AT THE WARNER CENTER TRANSIT HUB	Less than One Million
68.00	REDESIGN SOUNDWALL DUE TO CONFLICT WITH 22" GAS LINE	Less than One Million
71.00	FURNISH EIGHTEEN CHANNEL CONFLICT MONITORS	Less than One Million
72.00	STANDBY AND SAFETY WORK RELATED TO WORK SUSPENSION	Less than One Million

Total Pending Rough Order of Magnitude Cost: \$6,892,869

Projected Remaining Authorization for Modifications after Disposition of Pending Changes: \$3,166,848

*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.

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
10.10	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.