



Metro

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August 12, 2004

TO: BOARD OF DIRECTORS

THROUGH: ROGER SNOBLE
CHIEF EXECUTIVE OFFICER

FROM: RICHARD THORPE
CHIEF CAPITAL MANAGEMENT OFFICER
CONSTRUCTION PROJECT MANAGEMENT

SUBJECT: PROJECT MANAGEMENT ASSISTANCE CONTRACTS
QUARTERLY STATUS REPORT FOR THE PERIOD ENDING
JUNE 30, 2004

ISSUE

This quarterly status report on the Project Management Assistance (PMA) Contracts is submitted as requested by the MTA Board of Directors.

RATIONALE

The PMA contracts are a cost-effective means of providing highly qualified expertise on a short-term as-needed basis to address complex issues and tasks that occur on Capital and Major Transit Projects. In May 2001, the MTA awarded PMA contracts PM022 and PM023, which currently total \$9,047,663. PM023, relating solely to work on the Metro Orange Line, was closed in the 1st quarter of FY04 and no further services have been performed under this contract

Attachment A to this report provides the Contract Value and Incurred Cost for assignments on each project. The total incurred cost for contract PM022 from inception to date is \$5,750,687. Attachment B provides PMA Task Descriptions, Justifications, and Accomplishments for all authorized work this quarter. The work described in Attachment B has been accomplished in a satisfactory manner consistent with contract requirements and within the established budget and schedule.

NEXT STEPS

MTA work directive CAC-0141, dated May 27, 2004, authorized the continuance of work on CWO1 and CWO6 through June 30, 2004.

Support services provided under CWO6 will require additional contract authority for FY05. Specific tasks covered by the FY05 Budget are being identified and required scope and cost estimates are being developed in anticipation of submission of a request for additional contract authorization in September.

Staff will provide the MTA Board with the next Project Management Assistance Consultant Quarterly Budget Status Report that will cover the 1st Quarter of FY05 from July 1 through September 30, 2004 in October 2004.

ATTACHMENTS

- A. CWO Contract Values and Incurred Costs
- B. Project Management Assistance Consultant Authorized Work Status

Attachment A
Project Management Assistance Consultant
Quarterly Budget Status Report through June 2004

	CWO 1 Eastside LRT		CWO 3 Wilshire BRT		CWO 6 CIP & Programwide		CWO 7 Exposition LRT		Total for PMA Contracts	
	Contract Value	Incurred Cost	Contract Value	Incurred Cost	Contract Value	Incurred Cost	Contract Value	Incurred Cost	Contract Value	Incurred Cost
Current Quarter FY04 (Q4)		\$115,423		\$0		\$416,866		\$0		\$532,289
Grand Total	\$3,422,922	\$3,153,170	\$232,618	\$46,546	\$3,016,123	\$2,519,194	\$95,000	\$31,777	\$6,766,663	\$5,750,687

URS
PMO22

Attachment B
Project Management Assistance Consultant
Quarterly Budget Status Report through June 2004

Task Description	Task Justification	Quarterly Task Accomplishments
CWO 1, METRO GOLD LINE EASTSIDE EXTENSION (LRT) PROJECT		
<ul style="list-style-type: none"> • Perform design review for tunnel and geotechnical specifications and drawings. Review and revise design to be in compliance with design criteria and standards, and local codes. • Review design/build drawings, specifications and contract documents. Coordinate design/build contracts with no-build procurements. • Ramona Opportunity High School Project. 	<ul style="list-style-type: none"> • URS to provide technically qualified individuals to assist the MTA in ensuring that the contractual drawings and specifications are prepared accurately, thereby reducing MTA's risk exposure to potential claims. MTA currently has a limited number of in-house staff available to fulfill all the tasks required. • Contract No. C0803 is a major contract that requires extensive review and coordination to ensure a complete package is available to the Contractor. The MTA has limited full-time staff available to assign to this project at this time and URS has provided technically qualified staff to fulfill the projects interim needs. • URS to provide technically qualified individuals to assist the MTA in ensuring that the contractual drawings and specifications are prepared accurately, thereby reducing MTA's risk exposure to potential claims. MTA currently has a limited number of in-house staff available to fulfill all the tasks required. 	<ul style="list-style-type: none"> • Completed structural steel study associated with Contract C0803 for analysis of the escalation of steel prices from December 5, 2003 through March 5, 2004. • Assisted with General Requirements revisions related to shortening of the PGL main tracks at Union Station, Contract C0804. • Performed technical analysis of design and criteria to ensure that the schematic design facilitates safety, security and operational controls required for the Ramona Opportunity High School, per LAUSD requirements.
CWO 2, METRO ORANGE LINE (MOL) PROJECT		
• No work performed during this period.		
CWO 3, WILSHIRE BUS RAPID TRANSIT (BRT) PROJECT		
• No work performed during this period.		
CWO 7, MID CITY/EXPOSITION LIGHT RAIL TRANSIT (LRT) PROJECT		
• No work performed during this period.		

Attachment B
Project Management Assistance Consultant
Quarterly Budget Status Report through June 2004

Task Description	Task Justification	Quarterly Task Accomplishments
CWO 6A, CAPITAL PROGRAM PROJECTS, SYSTEMS		
<ul style="list-style-type: none"> • Provide technical support to the Fire Life/Safety Committee. • Metro Green Line H1100 Contract Closeout. 	<ul style="list-style-type: none"> • Technical support provided under this contract includes coordinating resolution to outstanding open fire/life safety issues, assisting the Fire Life Safety Committee with technical expertise on an as-needed basis when such expertise is not available with existing staff. Assistance is also provided in the form of reviews, special reports, inspections, and other jurisdictional agency fire/life safety required tasks such as NFPA 130 exit calculations. The PMA representative maintains the open matrix and issues meeting minutes. • Technical support to complete and closeout all H1100 Train Control Green Line changes, claims and contracts. 	<ul style="list-style-type: none"> • Completed review of conformed Fire/Life Safety Criteria as compared to requirements of National Fire Protection Association (NFPA) 130, Revision 2003. Provided technical support to the Fire/Life Safety Committee. Provided technical assistance and recommendations to resolve issues highlighted during the bi-weekly committee meetings. • Attended weekly closeout status meetings with Union Switch & Signal (US&S) representatives. Coordinated testing of the Train Control System. Updated/maintained H1100 closeout issues list. Resolved punchlist items. Conducted site inspections to verify conformance. Reviewed Contractors monthly schedule update.
CWO 6B, CAPITAL PROGRAM PROJECTS, SYSTEMS INTEGRATION		
<ul style="list-style-type: none"> • Pasadena Gold Line, Metro Blue Line, Metro Green Line, and Metro Red Line Project Support. • P2000 Rail Activation Support. 	<ul style="list-style-type: none"> • This task involves preparation, review and analysis of technical manuals, rail project system analysis and review of rail management plans. • Closeout of claims and changes on P2000 contract. 	<ul style="list-style-type: none"> • Edited and finalized Metro Rail Inventory System (MRIS) Manuals for PBL, MBL, and MGL. Submitted final deliverables to the MTA and prepared the progress report. Obtained addresses, with help from the City of Los Angeles, County Fire Departments, Los Angeles City Sheriff department and the MTA Police department, of buildings surrounding the Metro Green Line and Blue Line yards. • Attended contract closeout meetings with MTA and Siemens Transportation Systems, Inc. staff. Prepared Executive Summary of P2000 contract financial issues. Attended P2000 reliability demonstration test meeting. Reviewed and analyzed P2000 vehicle and sub-system reliability data.

Attachment B
Project Management Assistance Consultant
Quarterly Budget Status Report through June 2004

Task Description	Task Justification	Quarterly Task Accomplishments
CWO-6B, CAPITAL PROGRAM PROJECTS, SYSTEMS INTEGRATION		
<ul style="list-style-type: none"> • PGL Emergency Equipment (EE) Maps. 	<ul style="list-style-type: none"> • The PMA supplies technical assistance/expertise to MTA Systems Integration group such as sight surveys, equipment locations and functions for System Safety Application and Fire Department response. 	<ul style="list-style-type: none"> • Completed preparation of the PGL Station Emergency Equipment (EE) Maps and submitted final deliverables to MTA. Prepared progress report.
<ul style="list-style-type: none"> • System Fabrication and Refinement - Train Horn Optimization Study. 	<ul style="list-style-type: none"> • This task involves preparation, review and technical analysis of rail project systems and equipment. Current activity under this task consists of the Train Horn Study, which involves developing and testing of a new train horn to reduce undesirable noise impact. 	<ul style="list-style-type: none"> • Digitized and analyzed the low “quacker” horn signal. Contacted Meister Electronics regarding the Siemens P2000 Light Rail Vehicles horn. Developed theoretical models to estimate the free-field performance of existing horn. Prepared and delivered Design Goal Memo. Theoretical models/simulations are being developed for a train horn array assembly. Contacted candidate manufacturers for quotes or technical data on potential assembly parts. Acentech has taken receipt of processing, signal distribution and amplification equipment and has begun assembling the portable test rig.
<ul style="list-style-type: none"> • Rail Operations Control (ROC) and Emergency Management Panel (EMP) Ventilation Procedures. 	<ul style="list-style-type: none"> • This task requires technical assistance/expertise in order to perform systems review and analysis of rail management plans and procedures, and to ensure that consolidation maintains the integrity of the of critical rail procedures. MTA currently has a limited number of in-house staff available to fulfill all the tasks required. 	<ul style="list-style-type: none"> • Met with MTA Task Manager to discuss changes to ventilation procedures. Prepared mark-up of reduced ROC procedures. Completed update and consolidation of ROC and EMP Procedures.
<ul style="list-style-type: none"> • Rail Transportation Standard Operating Procedures (SOP) Consolidation. 	<ul style="list-style-type: none"> • This task involves preparation, review and analysis of technical manuals, rail project system analysis and review of rail management plans. 	<ul style="list-style-type: none"> • The Rail Transportation SOP Consolidation Project was completed. Deliverables were presented to the DEO Rail Operations, Rail Transportation and the Director of Rail Instruction on May 27, 2004.