



Metro

Metropolitan Transportation Authority

One Gateway Plaza
Los Angeles, CA 90012-2952

40

OPERATIONS COMMITTEE

JUNE 18, 2009

SUBJECT: DISASTER RECOVERY VOICE BACKUP SYSTEM

ACTION: APPROVE CONTRACT AWARD

RECOMMENDATION

Authorize the Chief Executive Officer to award a firm fixed price Contract OP39602116 to Motorola, Inc. to implement a Disaster Recovery Voice Backup System for the Advanced Transportation Management System (ATMS), in the amount of \$1,222,829. The contract will be fully funded by the Office of Homeland Security (OHS) under a Transit Security grant.

BACKGROUND

The ATMS is the core operational system used to manage our 2,500+ bus vehicle fleet. The ATMS provides voice and data radio dispatching capabilities as well as automatic passenger counting (APC), automated vehicle annunciation (AVA), video surveillance, real-time automated vehicle location (AVL) information and daily operator schedules. The ATMS system has been fully operational since 2004 and provides the primary communication function for our bus fleet.

RATIONALE

The ATMS voice system operates over a 900 MHz radio frequency (RF) network throughout Los Angeles County. The voice network currently relies on the ATMS Data Center equipment located adjacent to the Bus Operations Center (BOC) in the Gateway Building as the central hub for communications. In the event of a catastrophic event that would render the Gateway Building inoperable and/or if it were destroyed, the ATMS System would also fail and eliminate voice and data communication across our bus fleet. The BOC is supported by an Emergency Dispatch Center (EDC) located at the Red Line Maintenance Yard. The EDC acts as the BOC in the event that the Gateway Building needs to be evacuated (fire, civil unrest, construction, etc.). The EDC is remotely linked to the ATMS system and is completely dependent on the equipment at the ATMS Data Center. The EDC provides backup to the BOC, but it is not redundant as it cannot operate on its own if the ATMS computer room were to fail.

An ATMS Disaster Recovery Plan (DRP) was developed that established a tiered approach for continued fleet operation in the event of a catastrophic and/or emergency event. In the DRP, the ATMS Data Center was identified as a core function and would need to be replicated at another facility if a fully redundant operation were to be maintained. While a fully redundant ATMS Data Center is desirable, this option was determined to be cost prohibitive from a capital expenditure (\$30M+), labor and maintenance viewpoint. Given that the fully redundant data system was rejected, a more feasible alternative was recommended to have Metro implement a redundant backup voice recovery system that would maintain voice communication across our bus fleet if/when needed. Maintaining voice communication during an emergency would maintain safety and security for fleet operations and provide a communication mechanism for emergency evacuation transportation services if a Katrina-like event were to occur within the Los Angeles County area.

The recommended contract award provides for the implementation of a backup voice recovery system that will maintain bus fleet voice communication at approximately 80% radio coverage (if a catastrophic event were to occur). In an emergency, the backup voice system would function from the EDC located at the Red Line Maintenance Yard and/or from the remote site installation located at Mt. Lukens.

FINANCIAL IMPACT

Funding for this project is included in the capital budget under CP 212003 (ATMS Backup Voice Recovery System) and is included in the FY10 capital budget in Cost Center 2610. The life-of-project budget is \$1.7 million. This project is fully funded by an OHS grant award from the FY2007 Infrastructure Protection Program (IPP).

Since this is a multi-year project, the Project Manager and the General Manager of Rail are responsible for budgeting costs in future years.

Impact to Enterprise Fund Bus and Rail Operating Budget

The funding for this project is not eligible for bus and rail operating expenditures. The grant award, which benefits the bus capital program, is only eligible for the project described herein. There is no operating cost impact.

ALTERNATIVES CONSIDERED

We could decide not to award this contract, however it is not recommended as this OHS grant is project specific and fully funded.

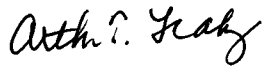
ATTACHMENT(S):

- A Procurement Summary
- A-1 Procurement History
- A-2 List of Subcontractors

Prepared by: Al Martinez, Supervising Engineer
Nicole Dang, Assistant Contract Administrator



Michael J. Cannell
General Manager, Rail Operations



Arthur T. Leahy
Chief Executive Officer

**BOARD REPORT ATTACHMENT A
PROCUREMENT SUMMARY**

Disaster Recovery Voice Backup System

1.	Contract Number: OP39602116		
2.	Recommended Vendor: Motorola, Inc.		
3.	Cost/Price Analysis Information:		
	A. Bid/Proposed Price: \$ 1,243,160	Recommended Price: \$ 1,222,829	
	B. Details of Significant Variances are in Attachment A-1.D		
4.	Contract Type: Firm Fixed Price		
5.	Procurement Dates:		
	A. Issued:		
	B. Advertised: Not Applicable		
	C. Pre-proposal Conference: Not Applicable		
	D. Proposals Due: December 16, 2008		
	E. Pre-Qualification Completed: February 03, 2009		
	F. Conflict of Interest Form Submitted to Ethics: December 23, 2008		
6.	Small Business Participation:		
	A. DALP: No DALP % Recommended	Date Small Business Evaluation Completed: May 08, 2009	
	Small Business Commitment: 8.9%		
7.	Invitation for Bid/Request for Proposal Data:		
	Notifications Sent: 1	Proposals Picked up: 1	Bids/Proposals Received: 1
8.	Evaluation Information:		
	A. Bidders/Proposers Names:	<u>Bid/Proposal Amount:</u>	<u>Best and Final Offer Amount:</u>
	1. Motorola, Inc.	\$ 1,243,160	\$1,222,829
	B. Evaluation Methodology: Request for Proposal		
9.	Protest Information: Not Applicable		
	A. Protest Period End Date: Not Applicable		
	B. Protest Receipt Date: Not Applicable		
	C. Disposition of Protest Date: Not Applicable		
10.	Contract Administrator: Nicole Dang	Telephone Number: 213-922-7438	
11.	Project Manager: Robert Fischer	Telephone Number: 213-922-3416	

**BOARD REPORT ATTACHMENT A-1
PROCUREMENT HISTORY**

Disaster Recovery Voice Backup System

A. BACKGROUND ON CONTRACTOR

Motorola, Inc. has been in the wireless communication industry for over 65 years. Motorola, Inc. provides wireless communication to 90% of State and Federal agencies and 70% to local Jurisdictions. Motorola, Inc was the Prime Contractor to Metro's ATMS System Integrator Contract No. OP63301054 (2001-2006), and their performance was satisfactory.

B. PROCUREMENT BACKGROUND

Staff utilized Request for Proposal (RFP) No. OP39602116 on a non-competitive basis. Motorola's proprietary software was used to develop ATMS and is required for modifications to the existing system. The contract duration is one year. The contract period of performance is anticipated to begin in July 01, 2009. Motorola submitted their proposal on December 16, 2008.

The Diversity and Economic Opportunity Department (DEOD) does not recommend a Disadvantaged Business Enterprise (DBE) Anticipated Levels of Participation (DALP) for this procurement based on a level of participation that could reasonably be expected in this type of contract.

C. EVALUATION OF PROPOSAL

This procurement was conducted in accordance, and complies with, standard Procurement Policies and Procedures for a sole source procurement. A Proposal was submitted by Motorola, Inc. and was determined to be responsive, responsible and qualified to perform the required services based on the RFP's minimum requirements and technical evaluation by the Project Manager.

D. COST/PRICE ANALYSIS EXPLANATION OF VARIANCES

The recommended contract amount has been determined to be fair and reasonable based on a Price Analysis, which compared competitively negotiated rates for similar services. A cost analysis was not performed because Motorola's policies do not allow cost elements to be divulged. A cost analysis waiver was granted because the price analysis was adequate to determine a fair and reasonable price.

BOARD REPORT ATTACHMENT A-2
LIST OF SUBCONTRACTORS

Disaster Recovery Voice Backup System

PRIME CONTRACTOR – Motorola, Inc.

Small Business Commitment

Other Subcontractors

Technology Resource Center

N/A

Total Commitment 8.9 %

