



**OPERATIONS COMMITTEE
AUGUST 17, 2006**

SUBJECT: RAIL SECURITY IMPROVEMENTS - INTRUSION DETECTION SYSTEM ENHANCEMENTS

ACTION: APPROVE CONTRACT MODIFICATION IN AMOUNT OF \$174,400 TO AUTOMATED SWITCHING AND CONTROLS, INC.

RECOMMENDATION

Authorize the Chief Executive Officer to execute Contract Modification No. 1 to Contract No. C0772 with Automated Switching and Controls, Inc. (ASCI) to provide additional security enhancements on the Metro Red Line (MRL) in the amount not-to-exceed \$174,400, increasing the Total Contract Value from \$1,868,270 to \$2,042,670.

RATIONALE

The Intrusion Detection System (IDS) has been in service since the opening of the Metro Red Line. This system is used by Rail Operations Control (ROC) to monitor authorized and unauthorized entries into specific areas of MRL stations. These areas include roll-up grilles, traction power substations, auxiliary power substations, train control and communication rooms, auxiliary power rooms, sprinkler valve rooms, electrical cable rooms, electrical equipment rooms, emergency exits and hatches. After the system upgrade installed as part of Metro Red Line Segment-2B, ROC was receiving false alarms when authorized employees exited monitored rooms. Rail Operation compiled a list of enhancements to improve the system. The system, which utilizes hardware and software manufactured by Johnson Control, will be expanded by installing intrusion detection devices in unmonitored MRL rooms, Emergency Management Panels, and roll-up grille control panels. Electronic hardware (optical sensors) will also be added at all alarmed rooms to eliminate false alarms incurred when authorized employees exit monitored rooms. Additionally, street hatch emergency exits will be upgraded with new alarm control panels.

As part of the original increased transit security proposal that Mayor Antonio Villaraigosa initiated July 2005, Rail Operations conducted additional internal security assessments relating to the scope of this contract. Rail Operations has identified additional requirements from this assessment. Contract Modification No. 1 incorporates these identified requirements. This contract modification will increase the security installation by 400

devices. An additional workstation will be installed in the closed-circuit television (CCTV) area at Rail Operations Control to allow CCTV observer and security personnel to also monitor intrusions. The software on the IDS server will be upgraded to a Microsoft Windows-based operating system.

FINANCIAL IMPACT

Funding for this action is included in the FY07 Budget under Project 205004 Rail Security Improvements, Cost Center 3960. This action does not impact the authorized Life-of Project budget for Project 205004.

ALTERNATIVES CONSIDERED

An alternative is to not install the additional enhancements and expansions to the MRL Intrusion Detection System. This alternative is not recommended, as this project is intended to improve the Metro's security monitoring system.

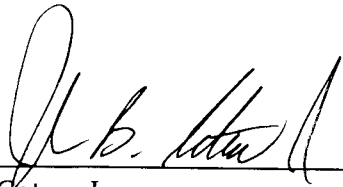
IMPACT TO OTHER CONTRACTS

This action will not impact other contracts.

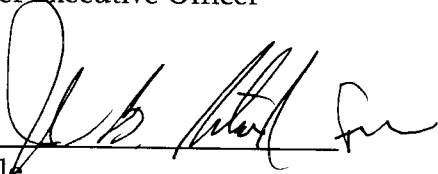
ATTACHMENTS

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

Prepared by: Glenn Lee, Project Engineer - Rail Capital Projects
Aida Asuncion, DEO, Rail Operations



John B. Catoe, Jr.
Deputy Chief Executive Officer



Roger Snoble
Chief Executive Officer

**BOARD REPORT ATTACHMENT A
PROCUREMENT SUMMARY**

**RAIL SECURITY IMPROVEMENTS - INTRUSION DETECTION SYSTEM
ENHANCEMENTS**

1.	Contract Number: C0772, Modification No. 1, Additional Security Enhancements		
2.	Recommended Vendor: Automated Switching and Controls, Inc. 6621 Calle Eva Miranda Irwindale, CA 91706		
3.	Cost/Price Analysis Information:		
	A. Bid/Proposed Price: \$209,247	Recommended Price: \$174,400	
	B. Details of Significant Variances are in Attachment A-1.D		
4.	Contract Type: Firm Fixed Price		
5.	Procurement Dates: Request For Proposal		
	A. Issued: March 7, 2006		
	B. Advertised: N/a		
	C. Pre-proposal Conference: N/A		
	D. Proposals Due: March 14, 2006		
	E. Pre-Qualification Completed: N/A		
	F. Conflict of Interest Form Submitted to Ethics:		
6.	Small Business Participation:		
	A. Bid/Proposal Goal: 100%	Date Small Business Evaluation Completed: August 25, 2005	
7.	Invitation for Bid/Request for Proposal Data:		
	Notifications Sent: N/A	Bids/Proposals Picked up: N/A	Bids/Proposals Received: 1 From Contractor
8.	Evaluation Information: N/A		
9.	Protest Information:		
	A. Protest Period End Date: N/A		
	B. Protest Receipt Date: N/A		
	C. Disposition of Protest Date: N/A		
10.	Contract Administrator: Brian P. Mahaffey	Telephone Number: (213) 922-7327	
11.	Project Manager: Glenn Lee	Telephone Number: (213) 922-3230	

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

**RAIL SECURITY IMPROVEMENTS - INTRUSION DETECTION SYSTEM
ENHANCEMENTS**

A. Background on Contractor

Automated Switching and Controls, Inc. (ASCI) is a high-tech company based out of Pasadena, California which has provided communications systems, access control and security systems to businesses for more than 13 years. ASCI has previously developed communications equipment for LACMTA on the MRL under the contract for the agency's train collision avoidance system as a subcontractor on Contract No. B648B in 1998 and on Contract No. H0648 in 2000, and their performance was satisfactory according to the agency's Construction Manager.

B. Procurement Background

This is a negotiated change to an existing contract to add additional materials and security equipment required to enhance the Intrusion Detection System of the Metro Red Line beyond the scope of work required by the base contract.

C. Evaluation of Proposals

The Contractors proposal was audited by Management Audit Services Department (MASD). The recommended amount of \$174,400 has been determined to be fair and reasonable based on price analysis using the independent cost estimate, a technical analysis of the proposal and through fact finding and negotiations.

D. Cost/Price Analysis Explanation of Variances

Bid/Proposal Amount	MTA Estimate	Recommended/Negotiated Amount
\$209,247	\$148,705	\$174,400

**BOARD REPORT ATTACHMENT A-2
LIST OF SUBCONTRACTORS**

**RAIL SECURITY IMPROVEMENTS - INTRUSION DETECTION SYSTEM
ENHANCEMENTS**

PRIME CONTRACTOR

Automated Switching and Controls, Inc. 6621 Calle Eva Miranda Irwindale, CA 91706	96.25%
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Small Business Commitment

Century Diversified, Inc.	3.75%
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Total Commitment	100%
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