

**Board Report**

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**File #:** 2016-0171, **File Type:** Contract**Agenda Number:** 29

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**SYSTEM SAFETY, SECURITY AND OPERATIONS COMMITTEE  
MAY 19, 2016****SUBJECT: GAS DETECTION ANALYZER SYSTEM****ACTION: AWARD CONTRACT****RECOMMENDATION**

AUTHORIZE the Chief Executive Officer to award contract No. PS21904205074 to **Reliable Monitoring Systems (RMS)**, in the amount of **\$1,159,860**, to provide a **Gas Detection System (GDS)** for **Metro Red Line (MRL)** and **Metro Gold Line (MGL)**.

**ISSUE**

In order to ensure the safety of our passengers and staff in the underground stations and right-of-way, a complete replacement of the Gas Detection System equipment is required. This procurement is for the parts and installation of the new system.

Metro rail underground stations are equipped with gas detection equipment. The gas detection devices were installed throughout the stations and cross passages. In the event that harmful gases are present, an alarm is triggered at the Rail Operations Control (ROC). Staff is immediately dispatched to assess and mitigate the issue. The current GDS devices were installed throughout the MRL in 2002 and underground MGL stations in 2003. In addition, the GDS' main controller interface boards and peripheral equipment are obsolete, and replacement parts are difficult and expensive to obtain.

**DISCUSSION**

The new GDS will replace and upgrade the current MRL and MGL equipment. This new microprocessor-based system performs functions including management of sensor modules, alarm relays, and interface with front panel display. The current equipment requires a labor-intensive system calibration every three months.

New GDS equipment has an original equipment manufacturer recommendation of bi-annual calibration resulting in operating cost savings by reducing the labor cost by half. This system will improve the speed of data information communications and accuracy of incident response time. Also, the system will be connected to the Supervisory Control and Data Acquisition (SCADA) system.

The contractor shall provide the work covered by the proposed specifications including engineering

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services, which incorporates system audit and analysis. Following the award of the contract, the contractor will install the equipment within a year and a half. Installation requires replacing all sensors, control boards, power supplies, and data lines as necessary.

### **DETERMINATION OF SAFETY IMPACT**

The Gas Detection System will provide additional safety features such as faster response time to incidents in the tunnel. The current response time is 5 to 10 seconds; the new response time will be improved to 2 to 5 seconds. The new system will report incident via Emergency Maintenance Panel, Fire Control Panel, Rail Operations Control, and SCADA interface module, utilizing the Remote Terminal Unit and Programmable Logic Units modules for immediate alarm recognition. A safe and reliable system is the key advantage to this new Gas Detection digital system.

### **FINANCIAL IMPACT**

The funding of \$1,159,860 is included in the Life of Project budget 205074 - Gas Analyzer Upgrade in cost center 3960.

Since this is a multi-year contract, the cost center manager, project managers, and Executive Director, Maintenance will ensure that the balance of funds is budgeted in future years.

#### **Impact to Budget**

The source of funding for this contract comes from Prop A 35%, which is eligible for bus and rail Operating and Capital Projects. No other funds were considered or eligible for this activity.

### **ALTERNATIVES CONSIDERED**

The alternative is to not award a contract for the GDS. However, based on the potential impact on Public Safety, this option is not recommended. The GDS provides a security measure to Metro Rail ridership. Metro demonstrates its commitment to putting Public Safety as a priority through the installation of this new system.

### **NEXT STEPS**

After approval of the Board, staff will execute Contract No. PS21904205074 with Reliable Monitoring Systems to provide GDS services for Metro Red Line and Gold Line.

### **ATTACHMENTS**

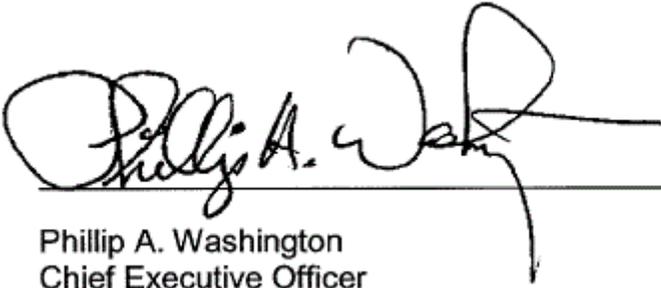
Attachment A - Procurement Summary  
Attachment B - DEOD Summary

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Phillip A. Washington  
Chief Executive Officer

## PROCUREMENT SUMMARY

## GAS DETECTION ANALYZER SYSTEM / PS21904205074

1.	<b>Contract Number:</b> PS21904205074	
2.	<b>Recommended Vendor:</b> Reliable Monitoring Services	
3.	<b>Type of Procurement:</b> (check one): <input checked="" type="checkbox"/> IFB <input type="checkbox"/> RFP <input type="checkbox"/> RFP-A&E <input type="checkbox"/> Non-Competitive <input type="checkbox"/> Modification <input type="checkbox"/> Task Order	
4.	<b>Procurement Dates:</b>	
	<b>A. Issued:</b> 12/4/2015	
	<b>B. Advertised/Publicized:</b> 12/4/2015	
	<b>C. Pre-proposal/Pre-Bid Conference:</b> N/A	
	<b>D. Bids Due:</b> 1/20/2016	
	<b>E. Pre-Qualification Completed:</b> 3/16/2016	
	<b>F. Conflict of Interest Form Submitted to Ethics:</b> 3/11/2016	
	<b>G. Protest Period End Date:</b> 4/21/2016	
5.	<b>Solicitations Picked up/Downloaded:</b> 8	<b>Bids Received:</b> 3
6.	<b>Contract Administrator:</b> Linda Rickert	<b>Telephone Number:</b> (213)922-4186
7.	<b>Project Manager:</b> Roger Largaespada	<b>Telephone Number:</b> (213)613-2115

**A. Procurement Background**

This Board Action is to approve Contract No. PS21904205074 issued to provide a Gas Detection Analyzer System (GDAS) for Metro Red Line (MRL) and Metro Gold Line (MGL) stations.

The IFB was issued in accordance with Metro's Acquisition Policy and the contract type is a Firm Fixed Price. Award is made to the lowest responsive, responsible bidder.

One amendment was issued during the solicitation phase of this IFB; amendment No. 1 issued on January 5, 2016, extended the deadline. Nine questions were asked and answered during the procurement.

A total of three bids were received on January 20, 2016.

**B. Evaluation of Bids**

The firm recommended for award, Reliable Monitoring Services (RMS), was found to be in full compliance with the bid requirements.

	<b>Bidder/Proposer Name</b>	<b>Bid Amount</b>
1.	Reliable Monitoring Services (RMS)	\$1,159,860.00
2.	JM Fiber Optics	\$1,336,354.40
3.	EFS West	\$1,366,824.00

**C. Price Analysis**

The recommended price has been determined to be fair and reasonable based upon adequate competition and technical evaluation.

<b>Bidder Name</b>	<b>Bid Amount</b>	<b>Metro ICE</b>
Reliable Monitoring Services	\$1,159,860.00	\$2,001,688

**D. Background on Recommended Contractor**

The recommended firm, RMS, located in Calabasas, California, has been in business for ten years, and is a leader in gas detectors and fire alarms. RMS is a certified dealer for Sierra Monitor Corporation equipment. Ed Crofts, the RMS project manager, has over 30 years of experience in the safety industry.

## DEOD SUMMARY

GAS DETECTION ANALYZER SYSTEM /  
PS21904205074**A. Small Business Participation**

The Diversity and Economic Opportunity Department (DEOD) established a 5% Small Business Enterprise (SBE) goal for this solicitation. Reliable Monitoring Services (RMS) did not make an SBE commitment and is not eligible for the SBE preference. Meeting the goal is neither a condition of award nor an issue of responsiveness.

According to guidance provided by County Counsel, SBE goals on non-federally funded IFBs cannot be a condition of award, because Metro can only award to the lowest bidder in accordance with Section 130232(5) of the California Public Utilities Code. Staff is working with Government Relations to seek legislative change to the Public Utilities Code, through Assembly Bill 2690 (Ridley-Thomas). AB 2690 is currently pending referral to the Assembly Local Government Committee.

**B. Living Wage and Service Contract Worker Retention Policy Applicability**

The Living Wage and Service Contract Worker Retention Policy is not applicable to this contract.

**C. Prevailing Wage Applicability**

Prevailing Wage requirements are applicable to this project. DEOD will monitor contractors' compliance with the State of California Department of Industrial Relations (DIR), California Labor Code, and, if federally funded, the U S Department of Labor (DOL) Davis Bacon and Related Acts (DBRA).

**D. Project Labor Agreement/Construction Careers Policy**

Project Labor Agreement/Construction Careers Policy is not applicable to this contract.