

**Board Report**

File #: 2018-0149, **File Type:** Project**Agenda Number:**

**SYSTEM SAFETY, SECURITY AND OPERATIONS COMMITTEE
JUNE 21, 2018****SUBJECT: FIRE ALARM CONTROL PANEL UPGRADE****ACTION: APPROVE RECOMMENDATION****RECOMMENDATION**

APPROVE an increase to the Life-of-Project (LOP) budget for the Fire Alarm Control Panel Upgrade project (CP 204128) by \$1,400,000 increasing the LOP budget from \$3,600,000 to \$5,000,000.

ISSUE

In May 2011, the Board approved the Fire Alarm Control Panel Upgrade with an LOP budget of \$3,600,000 as part of the adopted FY12 annual budget. At the time of the project scope development, the LOP budget was based on the best available estimate of the cost for upgrading the fire alarm control systems at Metro rail facilities. Since then, there have been changes to the local, state, and federal fire life safety regulations and codes that have increased the project costs.

DISCUSSION

The current scope of the project entails adding central supervisory workstations at the Rail Operation Control Center (ROC) as well as replacing all existing fire alarm control panel devices and suppression systems with upgraded components at facility locations along the Metro Blue and Green Lines. Each fire alarm control panel is reporting to the ROC through a connection to the Rail Supervisory Control and Data Acquisition (SCADA) System. In the event of a fire, an alarm detection is transmitted to the ROC for proper response and notification of emergency responders.

In 2012, the project began with initial engineering design for upgrading the fire alarm control panels at rail facilities. As design specifications were being developed, new changes in state and local fire code(s) mandated that upgrades to control panels include the installation of strobe lights at locations that do not have strobes and only audible evacuation alarms. In 2015, fire alarm monitoring through the installation of central supervisory workstations were added to the project to comply with additional fire code requirements. In 2016, engineering design was re-worked to replace the entire fire alarm control panel system and fire suppression components for compatibility. The completed design then initiated procurement readiness for bid solicitation.

The contract has been bid three times. In 2017, Metro Vendor/Contract Management (V/CM) received bids in response to the first Invitation for Bid (IFB) solicitation. One bid was received but was

determined to be non-responsive when the bidder did not meet the required Disabled Veteran Business Enterprise (DVBE) goal established. In mid-2017, the IFB was rebid as an SBE Set-Aside but no bids were received. In 2018, V/CM again issued a revised IFB as a re-bid for the current scope of work. A small business participation goal was not established for this re-bid by DEOD because, "According to the Project Manager, the State of California requires specialized licensing for Fire Protection (including Fire Alarm System) design, engineering and installation. In addition, the Fire Alarm Control Panel shall be fully compatible with Honeywell ONYXWorks Central Supervisory Station installed in the Rail Operation Control Center." Since the contract had been bid three times and a valid acceptable bid is now available, project management staff have determined it is in the best interest of Metro to increase the LOP and proceed with a contract with the bidder.

Staff has calculated an LOP increase of \$1,400,000 is needed based on an updated assessment of the necessary scope, changes in local, state, and federal fire life safety regulations and codes, and the bid pricing received.

DETERMINATION OF SAFETY IMPACT

Approval of the recommendation will have a positive impact on safety as the project work scope will move forward to ensure compliance with the current local, State of California and Federal Fire Life Safety regulations and codes. Each existing fire alarm system has been in service since the openings of the Blue Line in 1990 and Green Line in 1995, respectively. Maintaining the rail system in a State of Good Repair and compliance with current fire life safety regulations and codes is essential to providing a safe environment for our patrons and employees.

FINANCIAL IMPACT

This action will increase the LOP budget for CP 204128 adjusting the LOP budget from \$3,600,000 to \$5,000,000 given completion of the procurement process. Funding for this project is included in both the FY18 and FY19 budgets.

Since this is a multi-year project, the Cost Center Manager and Project Manager will ensure that the balance of funds are budgeted in future Fiscal Years. The expenditure plan for CP 204128 is shown in Attachment A.

Impact to Budget

The current source of funds for this project is Proposition C 40% Discretionary. This funding source will maximize the allowable fund use given approved funding provisions.

ALTERNATIVES CONSIDERED

The Board may choose not to increase the LOP budget. This is not recommended by Metro staff because existing fire alarm system and fire suppression system on the Blue and Green Lines are

nearing the end of their useful life. They are safety sensitive and choosing not to perform or postpone these upgrades may impact service reliability and safety. Additionally, unscheduled maintenance repair costs on a per component basis will result in higher operating costs versus reduced costs when performing work as scheduled.

NEXT STEPS

Upon Board approval of the requested LOP, the CEO may approve the low bid contract award, pursuant to California Public Contract Code 130051.9(c). The contract will be executed, and Operations - Maintenance and Engineering will proceed forward with the project scope.

ATTACHMENTS

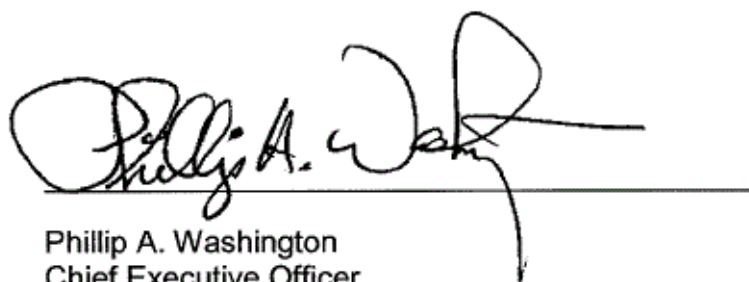
Attachment A - CP 204128 Expenditure Plan

Attachment B - Procurement Summary

Attachment C - DEOD Summary

Prepared by: Arkady Bernshteyn, Senior Director, Project Engineering, (213) 617-6249
Geyner Paz, Senior Administrative Analyst, (213) 617-6251
Errol Taylor, Senior Executive Officer, Rail Maintenance and Engineering, (213) 922-3227

Reviewed by: James T. Gallagher, Chief Operations Officer, (213) 418-3108



Phillip A. Washington
Chief Executive Officer

CP 204128 Expenditure Plan

Fire Alarm Control Panel Upgrade

Non-Labor Items	Past ITD	Current FY 2018	Future FY 2019	Future FY 2020	Contingency FY 2021	Total
OP39603140 - Fire Suppression and Detection System for Metro ROC Location 60 (COSCO Fire Protection)	\$ 206,218					\$ 206,218
PS1497600 - Central Supervisory Workstations (COSCO Fire Protection)	\$ 283,914	\$ 52,025				\$ 335,939
MOD 1 - PS1497600 - Central Supervisory Workstations (COSCO Fire Protection)			\$ 18,955			\$ 18,955
IFB C1138 - 3 MGL / MBL Yard and Wayside Rail Facilities Fire Alarm Control Panels (FACP) and Fire Suppression System Retrofit			\$ 1,500,000	\$ 1,800,000		\$ 3,300,000
CWO 102 - Project Scheduler (Hill International)	\$ 26,000	\$ 1,000	\$ 8,000	\$ 8,000		\$ 43,000
PS4875GECTO25 - Communications Engineer Support Services		\$ 10,000	\$ 33,969			\$ 43,969
Project Contingency					\$ 302,357	\$ 302,357
	\$ 516,132	\$ 63,025	\$ 1,560,924	\$ 1,808,000	\$ 302,357	\$ 4,250,438
Metro Labor	\$ 220,508	\$ 40,306	\$ 236,428	\$ 252,321		\$ 749,563
Yearly Cash Flow Forecast:	\$ 736,640	\$ 103,331	\$ 1,797,352	\$ 2,060,321	\$ 302,357	\$ 5,000,000

PROCUREMENT SUMMARY

MBL and MGL Fire Alarm and Fire Suppression Systems Retrofit
C36393C1138-300

1.	Contract Number: C36393C1138-300	
2.	Recommended Vendor: Cosco Fire Protection	
3.	Type of Procurement (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.	Procurement Dates:	
	A. Issued: January 02, 2018	
	B. Advertised/Publicized: January 02, 2018	
	C. Pre-Bid Conference: January 24, 2018	
	D. Bids Due: February 07, 2018	
	E. Pre-Qualification Completed: March 15, 2018	
	F. Organizational Conflict of Interest Review Completed by Ethics: February 21, 2018	
	G. Protest Period End Date: 6/25/18	
5.	Solicitations Picked up/Downloaded: 5	Proposals Received: 1
6.	Contract Administrator: Alyssa Garcia	Telephone Number: 213.922.7574
7.	Project Manager: Arkady Bernshteyn	Telephone Number: 213.617.6249

A. Procurement Background

Contract No. C36393C1138-300 is for a design/build delivery to design and install a replacement of the existing fire alarm system equipment for the Metro Blue Line and Metro Green Line. The fire alarm systems and the halon fire suppression systems retrofit will ensure safety of passengers, employees, and Metro property. Approval of contract awards are subject to resolution of any properly submitted protest.

The Invitation for Bids (IFB) procurement process, in accordance with Los Angeles County Metropolitan Transportation Authority (Metro) Procurement Policies and Procedures, was selected because the detailed specifications were sufficient for competitive bids to design and bid the project, by multiple potential bidders available to perform the work. The contract type is firm fixed price (FFP). The Contract duration is five hundred and forty-eight (548) calendar days.

One amendment was issued during the solicitation phase of the IFB:

Amendment No. 1, issued on January 10, 2018, revised the pre-bid meeting details and license requirements necessary to bid the project.

A total of one (1) bid was received on February 07, 2018.

A market survey was conducted to assess the reason one bid was placed on the project. All of the planholders were contacted and each expressed a similar reason of hesitation: the extensive time commitment of the project and the integrated Halon system.

In addition to the market survey, sixteen contractors, recommended through past performance or similar scopes of work, were contacted to be made aware of the solicitation prior to the Pre-bid conference on January 24, 2018.

This procurement is currently on its third bid cycle. The first IFB was issued December 27, 2016 with the bid due date of February 27, 2017. One bid was received from Cosco Fire Protection. Cosco Fire Protection failed to meet the three percent Disabled Veteran Business Enterprise (DBVE) goal and their bid was deemed non-responsive. A market survey revealed the complexity and time commitment diverted the remaining (8) interested contractors from placing a bid.

The second Initiation for Bid (IFB) was issued on July 19, 2017 with the bid due date of August 21, 2017 as a Small Business Enterprise (SBE) set aside. No bids were received. The concluding market survey revealed the sole planholder did not have the necessary bonding capacity for the project magnitude. Additionally, seven contractors contacted were surveyed, but did not meet all requirements necessary for this project.

B. Evaluation of Bids

The bid was evaluated for responsiveness and responsibility. Cosco Fire Protection, holds all necessary licenses and has satisfactory past performance reviews. Additionally, Cosco Fire Protection has qualified safety personal and quality assurance and quality control submittals.

The bid received was determined to be responsive and responsible. The bidder is listed below:

- Cosco Fire Protection

C. Price Analysis

Based upon the solicitation history of this project, the contractor's price is deemed to be justifiable. There are many risk factors involved on this project, including over sixty Fire Alarm Control Panel sites and differing city and fire department jurisdictions. Due to the risks associated with these aspects, the contractor's price is deemed understandable.

	Bidder Name	Bid Amount
1.	Cosco Fire Protection	\$3,258,500.00
2.	Metro Estimating (ICE)	\$2,481,450.00

D. Background on Recommended Contractor

Cosco Fire Protection, is located in Brea, California and holds active license classifications C10 and C16. Cosco Fire Protection, has a long history of work in the community, founded in 1968. Cosco Fire Protection is properly registered with the California Department of Industrial Relations for the award of this contract.

DEOD SUMMARY

FIRE ALARM CONTROL PANEL UPGRADE/CP 204128

A. Small Business Participation

The Diversity and Economic Opportunity Department (DEOD) did not establish a Small Business Enterprise (SBE) goal for this solicitation, based on the lack of subcontracting opportunities. According to the Project Manager (PM), the State of California requires specialized licensing for Fire Protection (including Fire Alarm System) design, engineering and installation. In addition, the Fire Alarm Control Panel shall be fully compatible with Honeywell ONYXWorks Central Supervisory Station, installers must be certified by Honeywell. Cosco Fire Protection did not make an SBE commitment.

B. Living Wage and Service Contract Worker Retention Policy Applicability

The Living Wage and Service Contract Worker Retention Policy (LW/SCWRP) is not applicable on 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.