

SUMMARY STATEMENT

ITEM NO.: PATCO-16-008

SUBJECT: PATCO Fire Alarm System Replacement

COMMITTEE:

Operations & Maintenance

COMMITTEE MEETING DATE:

April 5, 2016

BOARD ACTION DATE:

April 20, 2016

PROPOSAL: That the Board authorizes staff to negotiate a contract with SimplexGrinnell LP to replace and upgrade the existing fire protection systems at PATCO.

Amount: Up to \$1,945,070.30

Consultants: SimplexGrinnell LP
283 Gibraltar Road
Horsham, PA 19044

PURPOSE: To adopt a resolution authorizing staff to negotiate a contract with SimplexGrinnell LP to replace and upgrade the fire protection systems throughout PATCO in addition to installing a system at Center Tower to provide protection and notification. This work will be under GSA Schedule GS-07-0396M pricing.

BACKGROUND: PATCO currently has several non-integrated fire detection systems throughout the property. All Philadelphia stations, including Franklin Square, and City Hall Station are equipped with EST2 systems, which have been discontinued since 2012. This obsolescence has affected availability of repair parts. All nine fiber optic communication nodes along with Woodcrest, Ferry Ave and Lindenwold elevators have local systems that are not monitored by an outside monitoring agency. An alarm activation at any of those locations will result in no notification being made to PATCO or first responders. PATCO's Center Tower, which is located on the second floor of a substation, does not currently have a fire detection system installed. The EST3 system at Lindenwold Administrative Complex has had numerous configuration limitations in that not all facilities are notified of an activation and the system requires upgrading. The main computer room at Lindenwold is equipped with a Halon Fire Suppression System; Halon is a CFC which has not been manufactured since 1994. Should the fire suppression system in the computer room ever be activated, there would be no replacement Halon available to provide future protection.

PATCO developed a cross-functional team of employees from Way & Power, Safety and the General Manager's Office to develop two distinct courses of action to address the agency's future fire protection needs. One course of action would be to upgrade the existing systems, which have been installed over the years as parts of various capital projects. The other course of action would be to replace the existing components with one integrated system that would provide PATCO visibility over all structures equipped with fire detection equipment. The team met with two GSA vendors to determine the better course of action. After much consideration, the team unanimously selected replacing the existing system with one modern integrated system and to establish this level of fire protection equipment as the standard for all future capital projects which require fire protection.

The team selected SimplexGrinnell as the prime contractor for this project. When complete, this project will network all locations throughout PATCO into one cohesive system with total visibility of all locations. The nine fiber optic communication nodes along with the elevators at Lindenwold, Woodcrest and Ferry Avenue will now be monitored. All of the outdated EST2 system in the Philadelphia stations and City Hall Station will be replaced. Center Tower will receive a new fire detection system. The Lindenwold Administrative Complex will receive a new fire protection system that will sound in all buildings of an alarm activation. In addition, the Halon system for the computer room will be replaced.

The benefits of this project include bringing PATCO into compliance with NFPA fire protection standards and establishing one standard as we move forward with all capital projects that require fire protection. This project will integrate all facilities and provide for complete visibility. Self-diagnostics will reduce maintenance needs and reduce man-hours in troubleshooting; PATCO's Electronic Technicians can use the tablets issued as part of the SAP system to remotely diagnose issues. The system is expandable well beyond current PATCO needs to include the upcoming installations of elevators at several stations as well as any other projects. An additional benefit will be reduced telephone bills, as PATCO will no longer use copper Verizon lines to dial out to the monitoring station. Monitoring fees will also be reduced by integrating the system into one network versus the seven currently being monitored.

SUMMARY:	Amount:	Not to exceed \$1,945,070.30
	Source of Funding:	2013 Revenue Bonds
	Operating Budget:	N/A
	Capital Project #:	PD1601
	Master Plan Status:	N/A
	Other Fund Sources:	N/A
	Duration of Contract:	Nine (9) months
	Other Parties Involved:	N/A

RESOLUTION

RESOLVED: That the Board of Commissioners of the Port Authority Transit Corporation authorizes staff to negotiate a contract with SimplexGrinnell LP to replace and upgrade the fire protection systems at PATCO at a cost not to exceed \$1,945,070.30; and be it further

RESOLVED: That the Chairman, Vice Chairman and the President must approve and are hereby authorized to approve and execute all necessary agreements, contracts or other documents on behalf of PATCO. If such agreements, contracts, or other documents have been approved by the Chairman, Vice Chairman and President and if thereafter either the Chairman or Vice Chairman is absent or unavailable, the remaining Officer may execute the said document(s) on behalf of PATCO along with the President. If both the Chairman and Vice Chairman are absent or unavailable, and if it is necessary to execute the said document(s) while they are absent or unavailable, then the President shall execute such documents on behalf of PATCO.

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