



County of San Mateo

Inter-Departmental Correspondence

Department: PUBLIC WORKS

File #: 19-219

Board Meeting Date: 3/12/2019

Special Notice / Hearing: None
Vote Required: Majority

To: Honorable Board of Supervisors
From: James C. Porter, Director of Public Works
Subject: Amendment to the Agreement with Johnson Controls, Inc., for the County-wide Cardkey Security System Upgrade Project

RECOMMENDATION:

Adopt a resolution authorizing an amendment to the agreement with Johnson Controls, Inc., for enhancements to the Cardkey Security Upgrade Project, extending the term from June 30, 2019 to June 30, 2020, and increasing the amount by \$245,963, in an amount not to exceed \$716,694.

BACKGROUND:

As part of the County's overall security plan, the Johnson Controls, Inc. (JCI) Cardkey Security System was initially installed in the Hall of Justice (HOJ) in 1998 to provide a secure and safe environment for employees and visitors. The system was later expanded into most County facilities. The system provides secure access for the County by allowing only authorized personnel to enter County buildings and facilities.

On April 10, 2018, your Board adopted Resolution No. 075837, which authorized an agreement with JCI for the upgrade of the Cardkey Security System's hardware and software systems. The Cardkey system needed to be upgraded to the latest software version, and old and failing Cardkey readers and hardware devices needed to be replaced as they were no longer covered under the County's maintenance agreement. The County's Building Security Work Group supported the upgrade project so that JCI's access control system would be compatible with other vendors' access control systems and the County would be in a better position to evaluate market conditions and determine if it is in the best interest of the County to consolidate access control systems under one vendor.

DISCUSSION:

The proposed new Cardkey readers and Cardkeys provide a more secure, high frequency technology that leverages encryption to prevent unlawful duplication of user Cardkeys. This will require the upgrade of 600 card readers across the County and reissuing more than 9,000 new Cardkeys. Once the older readers have been replaced and all cardholders' Cardkeys have been re-issued, all readers across the County's systems can be updated so they no longer support

unencrypted cards. This action enhances the County's security and access control for facilities and technology devices that rely on Cardkey to provide access or validate the identification of the end user.

This amendment will provide for the upgrade of 600 card readers across most County facilities and replace existing proxy Cardkeys with 9,000 HID iClass Seos Multiclass Cardkeys. The County has verified the proposed HID Global access card readers and encrypted Cardkeys are compatible with existing technology. The County has also verified with other California cities and counties that they have successfully transitioned from the proxy Cardkeys to the encrypted iClass Seos Cardkeys for security purposes.

The County has requested JCI focus its efforts and resources on the upgrade of the card readers at locations across the County. JCI has indicated this enhanced security feature would delay the Cardkey Security System Upgrade Project by approximately six to eight months.

The Department of Public Works intends to add an Agile, IT Technician position, for a period of up to one year, to facilitate and coordinate the replacement and reprogramming of 9,000 Cardkeys and the upgrade of 600 Cardkey readers with facility coordinators. This position can also coordinate the standardization of Disaster Service Worker designation wording on the back of the new Cardkeys.

County Counsel has approved this resolution and amendment as to form. ISD has reviewed and approved the amendment and Cardkey selection.

Approval of this agreement contributes to the Shared Vision outcome of a Collaborative Community by providing Cardkey services to all County Departments and improving the security of County facilities.

FISCAL IMPACT:

This amendment increases the agreement with JCI by an additional \$245,963, for a new not-to-exceed amount of \$716,694 and extends the term to June 30, 2020. The estimated cost of an Agile IT Technician is \$150,000 per year. Because of the delay in the Cardkey Security System Upgrade Project, the Department of Public Works is able to absorb the cost of the JCI amendment and the Agile position in the current fiscal year's Facility's Budget. The cost of the upgrade project and the term position will be included in the Department of Public Works FY 2019-20 Recommended Budget.