Program #60046 - MCDC Detention Electronics   4/17/2017

Department:	Sheriff	**Program Contact:**	Michael Shults
Program Offer Type:	Innovative/New Program	**Program Offer Stage:**	As Proposed
Related Programs:	78221-18		
Program Characteristics:	One-Time-Only Request		

Executive Summary

The Multnomah County Justice Center, located in downtown Portland, is a 16-story building with 2 sublevels, of which 9 floors are operated as a Jail. The security electronics were overhauled in 2006, when new PLC's (Programmable Logic Controllers) and touchpanels (operator interfaces) were installed, along with a new fire alarm system and a small video system upgrade. Since then, due to changes in technology the analog intercom and video systems are becoming difficult to support. New technologies available will lower cost while improving the operation, maintainability, and safety of the facility.

Program Summary

Under this project, the intercom and video surveillance systems will be upgraded to newer technologies, utilizing the same equipment and brands that were recently installed in the other County detention facilities, ie: Inverness and the Juvenile Center, and have become the standard for the County. Developing the standards for the County is important, as it reduces the need for spare parts, decreases the training time for new operations staff, and allows the maintenance staff to become expert on, and better maintain, one set of systems. This project will identify areas with inadequate video coverage, add new cameras and technologies as necessary to ensure compliance with the current PREA Standards. Additionally, this will extend the lifetime of the security electronics for another 15-20 years, with appropriate maintenance and software upgrades. For the project in total the cost is $4,209,155 including escorts and soft costs and it can be completed in 18 months overall. This program offer budgets for escort costs; DCA program offer 78221 budgets the remainder of the project costs.

This project will replace 5 different systems:
1 - INTERCOM SYSTEM: The intercom system provides inter communications between the various control centers to their associated inmate cells, movement doors, and other locations where immediate, highly intelligible 2-way audio is needed.
2- VIDEO SURVEILLANCE SYSTEM: The video surveillance system provides visual supervision and 60 minutes of recording time for inmate and public areas of the facility, and provides for automated call-up of associated images whenever door control or intercom communications functions are in use.
3 - PLC/TOUCHSCREEN SYSTEMS: The current PLC's, which are the brains of the system, are Modicon Quantum series by Schneider Electric, and are in good condition, although the CPU's do not support the current Unity programming software.
4 - ACCESS CONTROL SYSTEM: The access control system allows the staff to enter doors and areas without control room intervention, using card or token readers at each door or elevator, and is also used for interlock override by the control room staff.
5 - ADMINISTRATIVE INTERCOM PHONE SYSTEM:The facility has an administrative intercom phone system, consisting of a network of dedicated detention-grade master phone stations that allow for fast and easy inter communications between control room officers, management, medical, and other detention-oriented locations.

Performance Measures

Measure Type	Primary Measure	FY16 Actual	FY17 Purchased	FY17 Estimate	FY18 Offer
Output	Project remains on schedule (1 = Pass, 0 = Fail)	-	-	-	1
Outcome	Project stays within budget (1 = Pass, 0 = Fail)	-	-	-	1

Performance Measures Descriptions

Legal / Contractual Obligation

Revenue/Expense Detail

	Proposed General Fund	Proposed Other Funds	Proposed General Fund	Proposed Other Funds
Program Expenses	**2017**	**2017**	**2018**	**2018**
Personnel	$0	$0	$390,000	$0
Contractual Services	$0	$0	$0	$0
Total GF/non-GF	**$0**	**$0**	**$390,000**	**$0**
Program Total:	**$0**		**$390,000**	
Program FTE	0.00	0.00	0.00	0.00

Program Revenues				
Total Revenue	**$0**	**$0**	**$0**	**$0**

Explanation of Revenues

Significant Program Changes

Last Year this program was: