



**Program #78221 - MCDC Detention Electronics** 2/20/2019

**Department:** County Assets **Program Contact:** Alene Davis  
**Program Offer Type:** Existing Operating Program **Program Offer Stage:** As Requested  
**Related Programs:**  
**Program Characteristics:** One-Time-Only Request, In Target

**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 detention center. The security electronics were overhauled in 2006, when new Programmable Logic Controllers and touch panels 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**

This carryover project is currently in progress. Bids closed in mid-January, 2019. Once awarded, coordination of scheduled work will need to be arranged between Contractor and MCSO before final schedule is determined. 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 (Inverness and the Juvenile Center), and have become the standard for the County. 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.

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.
- The order of the system implementation will be planned based on risk and inter-dependencies. The FAC-1 process will be followed with periodic Board check ins.

**Performance Measures**

Measure Type	Primary Measure	FY18 Actual	FY19 Purchased	FY19 Estimate	FY20 Offer
Output	Prioritized order for system implementation	NA	1	1	1
Outcome	Percent of systems successfully implemented	NA	100%	10%	100%

**Performance Measures Descriptions**

PM #1-Output--A list of the prioritized order of implementation will be completed considering risk and inter-dependency.  
 PM #2-Outcome--Anticipated that 100% of the systems implementation will be completed in FY 2020. FY19 100% planning, design, bidding, negotiation and start of implementation.

Revenue/Expense Detail

	Proposed General Fund	Proposed Other Funds	Proposed General Fund	Proposed Other Funds
Program Expenses	2019	2019	2020	2020
Contractual Services	\$0	\$3,600,000	\$0	\$3,400,000
<b>Total GF/non-GF</b>	<b>\$0</b>	<b>\$3,600,000</b>	<b>\$0</b>	<b>\$3,400,000</b>
<b>Program Total:</b>	<b>\$3,600,000</b>		<b>\$3,400,000</b>	
Program FTE	0.00	0.00	0.00	0.00

Program Revenues				
Beginning Working Capital	\$0	\$3,500,000	\$0	\$3,400,000
<b>Total Revenue</b>	<b>\$0</b>	<b>\$3,500,000</b>	<b>\$0</b>	<b>\$3,400,000</b>

Explanation of Revenues

This program offer will be funded by Beginning Working Capital carry over from FY 2019.

Significant Program Changes

Last Year this program was: FY 2019: 78221-19 MCDC Detention Electronics