



Program #78221 - MCDC Detention Electronics

5/2/2022

Department: County Assets **Program Contact:** Scott Churchill
Program Offer Type: Existing Operating Program **Program Offer Stage:** As Proposed
Related Programs:
Program Characteristics:

Executive Summary

The Multnomah County Detention Center (MCDC) / 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 touch panels (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. Decisions are made on these priorities: fire, life, safety, and equity. This program is supported primarily through OTO General funds with additional funds from CIP Fund 2507.

Program Summary

This project is currently in construction and is expected to reach substantial completion in FY 2022 Q4. Under this project, the intercom and video surveillance systems at MCDC at the Justice Center will be upgraded to newer technologies, utilizing the same equipment and brands that were recently installed in the other County detention facilities and have become County standard. This project will identify areas with inadequate video coverage and add new cameras and technologies 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 works closely with MCSO Staff, FPM Electronic Services, and other relevant internal trades.

This project will replace 6 different systems: Intercom system, video surveillance system, PLC/Touchscreen systems, Access Control system, administrative intercom phone system, and the Genetic IP-based video management system (VMS). A network of digital encoders will be installed on each floor, which will convert the existing analog camera signal to an IP-based signal, which is then routed to the servers and the associated touchscreen workstation viewing monitors. New PC-based workstations will be provided at each touchscreen station to allow the operator to view the associated cameras for the operator's area of responsibility, controlled by the operator's touchscreen workstation. Images will be brought up automatically in response to intercom, door operations, or alarms, or the operator can manually select single camera viewing, or a combination of different multiple-camera views.

Performance Measures

Measure Type	Primary Measure	FY21 Actual	FY22 Budgeted	FY22 Estimate	FY23 Offer
Output	Prioritized order for system implementation	1	1	1	1
Outcome	Percent of systems successfully implemented	50%	100%	100%	100%

Performance Measures Descriptions

PM #1: Prioritized order for system implementation
 PM #2: Anticipated that 100% of the systems implementation will be completed in FY 2022.

Legal / Contractual Obligation

There are contractual obligations to consultants/vendors carrying over into FY 2023.

Revenue/Expense Detail

	Adopted General Fund	Adopted Other Funds	Proposed General Fund	Proposed Other Funds
Program Expenses	2022	2022	2023	2023
Contractual Services	\$0	\$274,400	\$0	\$100,000
Total GF/non-GF	\$0	\$274,400	\$0	\$100,000
Program Total:	\$274,400		\$100,000	
Program FTE	0.00	0.00	0.00	0.00

Program Revenues				
Beginning Working Capital	\$0	\$274,400	\$0	\$100,000
Total Revenue	\$0	\$274,400	\$0	\$100,000

Explanation of Revenues

This program offer will be funded by Beginning Working Capital carry over from FY 2022.

Significant Program Changes

Last Year this program was: FY 2022: 78221 MCDC Detention Electronics

Additional funding was provided in FY 2022 of \$1.8 million due to COVID restrictions and complexities in security access to the Justice Center building. This project should be substantially complete by the end of FY 2022.