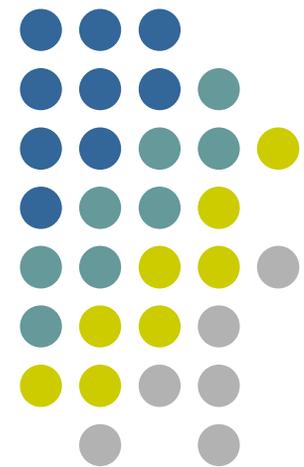


Juvenile Justice Center Detention Electronics Upgrade

Board Policy Discussion – August 26, 2010



Agenda

Building History

Detention Electronics System

- Description of System

Preliminary Project Proposal

- Project Cost estimate and schedule

Funding Strategies

- Next steps



FY11 Budget Note



On June 10, 2010, the Board of County Commissioners adopted the Fiscal Year 2011 Multnomah County Budget, including the following budget note:

The monitoring of and access to all internal areas (custody units, sleeping rooms, holding cells, hallways) and external areas (police gates, public entrance, sally ports) is currently operated by manual input-output switch systems located in Main Control, Intake, Visiting Control and in each custody unit. Any time one of these system areas breaks down, extreme security and safety hazards are created. Community Justice, working with Facilities and Property Management and Electronic Services proposes to replace the existing control systems with modern, detention-grade control systems that allow for the County's Electronic Services group to provide cost effective servicing.

The Board directs Community Justice and County Management to return to the Board on or before August 31, 2010 and report on the following:

- Total estimated cost for a new or updated system
- Timeline and implementation schedule
- Financing/funding options

August 2010

Juvenile Justice Center
Detention Electronics Upgrade



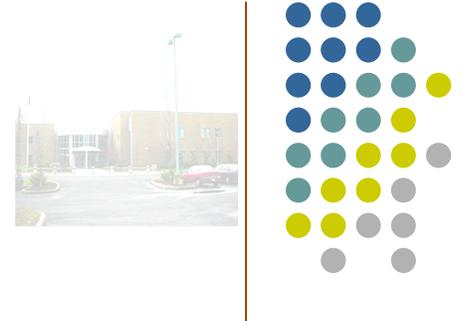
Building History and Use



Juvenile Justice Center

- Constructed in Multiple Phases, completed in 1995
- Serves as Tri-County regional detention center
 - Multnomah, Clackamas, and Washington Counties
- Additional services at JJC
 - Juvenile Courts
 - District Attorney Offices
 - Juvenile Probation and Treatment
 - Oregon Youth Authority (State of Oregon)

Existing Conditions



Detention Electronics System

- Controls all access, monitoring, intercom, and perimeter security for the detention areas of the facility
- Any disruption/malfunction of the system creates potential life safety hazards
 - Examples are the inability to open holding cell doors, staff locked in sally ports, hallway access denied
- System is antiquated with parts and repairs becoming more difficult to correct
 - Operated by manual input/output switches at control desks
 - Scavenging parts within the building to make repairs

Photos – Control Systems



JJC Main Control Input/Output Switches



JJC Unit Control Station



MCDC Master Control Touchscreen



MCDC Master Control

August 2010

Juvenile Justice Center
Detention Electronics Upgrade



Project Description



Objectives (partial list, refer to preliminary project plan for full list)

- Mitigate Life Safety risk to staff, youth and visitors
- Enhance overall security of the facility
- Provide system adaptability to respond to future Custody Operation needs

Scope of Work

- Upgrade all detention electronics systems in the facility
 - Install touchscreen panels
 - New perimeter security
 - Door operating mechanism at targeted junctions
- Field equipment and wiring are in good working order and not scheduled for replacement in this project

Preliminary Project Plan



Cost Estimate

- Up to \$1,400,000 (project estimate developed in conjunction with detention electronics systems consultant)
- Estimate is based on a design-build project approach

Implementation Schedule

- The overall project will take approximately 15 Months to complete
 - 10 Months are required for design and installation of the system upgrade (included in overall project schedule)
 - A significant condition of this schedule is to maintain continuous uninterrupted Custody operations throughout the project implementation

Finance/Funding Strategies



Current Funding Schedule

- This project is currently scheduled in the Capital Improvement Program budget to begin in FY14

Re-Appropriation of Capital Improvement Funds

General Fund Contingency or One-Time Only Funding

Borrow Funding

Next Steps

