



PROJECT MILESTONES

Project Estimate: \$2,715,000
 Design: January 2017
 Permitting: Winter 2018
 Final Design: February 2018
 Bid Advertisement: Fall 2017
 Contract Award: Fall 2017
 Construction Start: June 2018
 Estimated Completion: June 2019

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Northern State Correctional Facility Door Control System Replacement & Various Major Maintenance Projects

2559 Glen Road, Newport

Project Description

All of the State's correctional facilities are in need of a door control system replacement. Facilities have been prioritized based on need, with Northern State Correctional Facility's (NSCF) system being the most critical. The existing system is experiencing numerous failures resulting in NSCF seeing incorrect door position indication in Main Control, or no door position at all, in addition to the inability to operate doors remotely or from the living unit podiums. Replacement parts are no longer available for the control system and the locks used throughout the facility are no longer available.

A new touch-screen door control system has been chosen as the model to use statewide, beginning with installation at NSCF in Spring 2018. Touch-screen technology is the industry-standard for correctional facilities and will allow for greater control at NSCF. The touch-screens will control doors, intercoms, in-unit functions such as lighting and fans, as well as allow for flexibility in control in the event of an emergency—enabling the facility to switch control of a unit to Master Control or another living unit, if needed. The existing camera infrastructure will also be integrated with the new door control software, allowing the cameras to be controlled and viewed from the touchscreens. The existing perimeter intrusion detection system (PIDS) is also experiencing failure and considered end-of-life. A new PIDS will be installed and integrated into the touch screen system so that officers may view disturbances at the fence line from the touchscreens, allowing for faster response and better information given to the perimeter security officer.

Installation of the door control system will be very disruptive to facility operations and will require that the living units be empty during construction. Relocating inmates is costly, so multiple major maintenance projects will also be completed during this time to take advantage of the opportunity to complete work in unoccupied units. The main entrance to the administration building, as well as the main doors and frames at the entrances to buildings C, D, and E will be replaced, as well as 30 interior doors throughout the facility. All shower units (14 total) will be renovated with epoxy floors and wall finishes, lighting and plumbing fixtures. Epoxy flooring will also be installed in the foyers and entrance ramps of all 3 living units. A new door to the A2 building maintenance shop storage area will be installed for safer access to the mezzanine. A fire alarm system upgrade and duct cleaning and balancing will be completed in all buildings. A new Direct Digital Control (DDC) system will also be installed facility-wide.

All major maintenance work will be scheduled to be phased by building in conjunction with the door control system work. Construction is expected to take one year.