

## **Request for AE Services**

Project 13K1L DOC System-wide Cameras

Green Bay Correctional Institution, Lincoln Hill School, and Stanley Correctional Institution

### **AGENCY:**

Department of Corrections

### **SITE LOCATIONS:**

Green Bay Correctional Institution  
2833 Riverside Drive  
Green Bay, WI 54307-9033

Lincoln Hills School  
W4380 Copper Lake Road  
Irma, WI 54442

Stanley Correctional Institution  
100 Corrections Drive  
Stanley, WI 54768-6500

### **Introduction and Background:**

This request is for Pre-design through Preliminary Design Services and Design Report by an architectural/engineering firm for the DOC Camera System Replacements at: Green Bay Correctional Institution (GBCI), Lincoln Hill School (LHS), and Stanley Correctional Institution (SCI). The AE will perform Pre-design services (develop and verify the project scope, schedule and budget) prior to being authorized to proceed with design development.

These facilities are all part of Department of Corrections' analog to digital surveillance conversion plan. This project will replace all analog equipment (to include: cameras, coax cabling, recording equipment, etc.) that are obsolete or nearly obsolete with a combination of new copper and fiber optic cabling, and new digital IP cameras and recording equipment (either DVR or NVR solutions). Electrical power and mechanical upgrades as required to support the new system are also included. This plan includes rolling down equipment removed from these sites to other sites by DOC that are still using the older systems, allowing them to function until DOC can convert their systems as well.

### **Project Scope:**

This project will replace the analog surveillance systems in use by DOC at Green Bay Correctional Institution, Lincoln Hill School, and Stanley Correctional Institution with new digital surveillance systems.

Major features of the Video Surveillance System include Cameras and Camera Mounting Hardware, Camera Signal and Power Wiring, and Display and Recording Hardware and Software.

Detailed requirements of the system and responsibilities to provide, furnish and/or install are as follows:

Agency-furnished, Contractor-installed:

IP (Network) Cameras  
Camera Housings  
Camera Mounts  
Camera Power Supply/Supplies (if other than Power-over-Ethernet)  
Display Monitors and related equipment

Contractor-furnished, Contractor installed:

Cabling - Signal and camera Power (if applicable)  
Cable Pathways  
Camera Rough-in  
Equipment Racks  
Power distribution and conditioning equipment (UPS's, Power Strips, Surge Suppressors).  
Electrical and Mechanical hardware as required to support the new system

Agency-furnished, Agency-installed:

Network Electronics (Routers, switches, etc.)  
Recording Equipment, related hardware and software  
Set-up, configure, and program Network Electronics (Servers, switches, workstations).  
NVR/DVR software. Configure cameras within NVR/DVR software.  
Software client installation.

All equipment, cables and related termination, support and grounding hardware, bonding as required for a full and functioning system, shall be installed, wired, tested, labeled, and documented by the Contractor, as detailed in this and related section(s).

The project includes the following Design Phase services:

Preliminary Design Services

- Develop a set of Preliminary Design documents to address the infrastructure to support the new camera equipment at GBCI, LHS, and SCI, and include the following:
  - Cameras Schedule using prescribed DOC purchase list.
  - Cable pathways and required rough-in to accommodate new cameras
  - Cabling plan to include cabling required for individual cameras , cabling relating to monitoring and recording/storage devices and backbone cabling to support network connectivity.
  - Upgrades at Monitoring and Recording/Storage locations. Electrical upgrades as required to provide emergency power to network and recording electronics.
  - Identify Mechanical requirements to include equipment rooms that may need climate conditioning and recommended technical solution.
  
- Produce a Design Report to identify:

- 1) Overall design including camera quantities, monitoring locations and recording/storage location(s).
- 2) Needed infrastructure improvements
- 3) Cost of implementing the new camera system at each location – including cable pathways and equipment rough-ins, cabling, camera and recording/storage hardware (provided by DOC), and electrical and mechanical upgrades

Preliminary documents shall include drawings (plans and schematics) and draft specifications. Drawings shall be delivered in Autodesk AutoCAD (.dwg) and Adobe Acrobat (.pdf) formats.

### **Proposed Schedule**

A/E Selection:	Dec	2013
Prelim Design & Design Report Completion:	Dec	2014
Project Approval:	Feb	2014
Bid Opening:		TBD
Construction Start:		TBD
Construction Completion:		TBD

### **Proposed Budget**

Construction Cost:	TBD
Contingency (10%):	TBD
A/E Design and Commissioning Fees:	TBD
DSF Fees (4%):	TBD
<u>Moveable Equipment:</u>	<u>TBD</u>
Total Project:	\$2,650,000

### **Agency Contact:**

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