

Request for AE Services

Project 13K1K DOC System-wide Cameras

Racine Youth Offender Correctional Facility, and Wisconsin Secure Program Facility

AGENCY:

Department of Corrections

SITE LOCATIONS:

Racine Youth Offender Correctional Facility
1501 Albert Street PO Box 2200
Racine, WI 53404-0001

Wisconsin Secure Program Facility
1101 Morrison Drive P.O. Box 1000
Boscobel, WI 53805-0900

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: Racine Youth Offender Correctional Facility (RYOCF), and Wisconsin Secure Program Facility (WSPF). 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 CAT6 and fiber optic cabling, and new digital IP cameras and recording equipment (either DVR or NVR solutions). This plan includes rolling down equipment removed from these sites to other sites 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 Racine Youth Offender Correctional Facility, and Wisconsin Secure Program Facility 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
Network Electronics (Routers, switches, etc.)
Recording Equipment, related hardware and software
UTP Receiver Hubs with integral Camera Power

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).

Agency-furnished, Agency-installed:

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 RYOFC, and WSPF, and include the following:
 - Cameras Schedule using prescribed DOC purchase list.
 - AutoCAD Drawings of Preliminary Design
 - Electrical
 - Network
 - HVAC (Equipment Rooms that may need climate conditioning.)
- Produce a Design Report to identify:
 - 1) Needed infrastructure improvements
 - 2) Camera system
 - 3) Cost of implementing the new camera system at each location

Proposed Schedule

A/E Selection:	Dec	2013
35% Design & Design Report Completion:	Oct	2014
Project Approval:	Dec	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:	\$3,000,000

Agency Contact:

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