

REQUEST FOR A/E SERVICES

Door Control & Paging System Replacement Milwaukee Secure Detention Facility (MSDF)

DFD PROJECT NO. 13L1Z

Agency: Department of Corrections

Facility Location:
1015 North 10th St.
Milwaukee, WI 53205

Introduction and Background:

Milwaukee Secure Detention Facility (MSDF) is an adult maximum-security prison located in Milwaukee County, Wisconsin, in the City of Milwaukee. It was originally opened in 2001.

MSDF is experiencing numerous problems with the security door controls system. There are noticeable delays with the system reporting back to and responding to inquiries and commands to and from each touch screen workstation. On some occasions, calls only report to two of the three workstations in Central Control. When calls are cleared / responded to on one of the workstations, sometimes the calls remain engaged on one or both of the other workstations. MSDF is experiencing other additional door control problems that will need to be investigated by the AE. MSDF has had a few documented incidents recently where Staff were unable to exit areas and assist to emergency calls.

All overhead paging at MSDF is in poor condition. When announcements are made they are broadcast in a muffled, distorted, unclear manner. Sometimes too loud and in some areas too quiet and cannot be heard at all. Not a single speaker is working correctly.

To meet programming needs, the ability to broadcast selected audio programming throughout the building to inmate areas will be included as a component of this project. MSDF has very limited programming and recreation opportunities. By adding this component to a new system, the cost will be minimal, yet provide extreme value and opportunities for Inmates fully contained to their Pods and not having contact visits or access to the outside. This also allows for alternate programming opportunities.

Scope of Services:

This project is to study the scope of work for replacement of the existing door control system to include door control intercoms as needed, the programming necessary to ensure systems interface properly, the replacement/reprogramming of the existing overhead paging system to include expansion to areas not covered currently, and audio programming using a channel type system for the entire building.

After completion of this study, DOC intends to go to the Building Commission to request full construction, and completion of design services. It is requested that the same A/E who does the study will also complete all design services through construction.

Project Deliverables:

The State of Wisconsin is looking for an Architect/Engineering firm to provide complete technical consultation and preliminary design at MSDF as follows:

- Provide a Design Report following DFD format describing code analysis, budget costs and options for installation of door control system, including PLC's and GUI based controls, and paging system including life cycle analysis of options considered.
- Provide a detailed contractor work plan to allow construction of recommendations to be completed with minimal disruption of existing inmate and staff daily activity.
- Provide a riser diagram of existing and proposed door control and paging systems. Risers should show all head-end equipment and networking devices.

Project Timeline:

In order to plan for timely evaluation of recommendations and planning for subsequent construction activity, the selected A/E will be expected to complete the study and submit a Design Report within two months of issuance of a Notice to Proceed.

Skills and Knowledge:

A qualified firm would have an appropriately staffed team with thorough knowledge, understanding, licensing and experience with the following:

- Evaluation and design of electronic door controls, including Wonderware and PLC programming.
- Evaluation and design of Paging systems.
- Standards for design and construction for state-owned correctional buildings.

PROJECT BUDGET/SCHEDULE:

Construction		A/E Selection	Jan 2014
Design (8%)		SBC Approval	June 2014
Management		Bid Opening	Dec 2014
Contingency (15%)		Start Construction	Jan 2015
TOTAL	\$1,775,000	Substantial Completion	June 2015
		Final Completion	July 2015

Agency Contact:

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