

## REQUEST FOR ENGINEERING SERVICES

FEBRUARY 2016

**AGENCY:** Department of Health Services

**DHS CONTACT:** Mark Zaccagnino, (608) 266-2902, mark.zaccagnino@wisconsin.gov

**LOCATION:** Winnebago Mental Health Institute, City of Oshkosh, Winnebago County

### PROJECT REQUEST:

Prepare plans and a design report for the Winnebago Mental Health Institute Structured Cabling Upgrade project. The A/E will provide design through construction administration services as indicated in the DFD “*Policy and Procedure Manual for Architects/Engineers and Consultants*”, the “*Guide for Developing Program Statements for Projects Requiring Enumeration*”, and the DFD “*Contract for Professional Services* as directed by DFD at the Design Kickoff meeting. The services may be contracted for in multiple contracts, or a multi-part contract with project-specific review/ approval/ authorization points in the contract, as determined by the needs of the project. Authorization for subsequent services will be issued in writing upon satisfactory performance and completion of contracted services and deliverables.

**PROJECT NUMBER:** 16A1A

### PROJECT DESCRIPTION:

This project will upgrade the structured communications cabling at select buildings located at the Winnebago Mental Health Institute (WMHI) campus which consists of WMHI and the Wisconsin Resource Center (WRC). Construction includes the installation of underground single mode fiber optic cable between buildings to create a redundant fiber optic cable system around the WMHI campus. Horizontal copper cabling at six patient care buildings, the Administration Building, and the Food Services Building will be upgraded to support high speed data transmission. The new cabling will include data outlets at workstation and wireless access point locations in each of the buildings. The telecommunication rooms at each building will be upgraded to support the new cabling and equipment. The fiber backbone will support increased data transmission rates and serve a variety of applications.

### PROJECT JUSTIFICATION:

This project is required to bring the existing network to a standard utilized by other health care facilities. The existing network does not always perform adequately due to the volume of traffic. Applications continue to migrate to single mode fiber optic cable and category 6 cable. These applications include video surveillance, telephone, paging and intercom, fire alarm, digital radio, security controls, and electronic health records systems. The installation of upgraded structured cable in and between buildings will improve performance of the existing network and provide the necessary capacity as additional systems are added.

**BUDGET/SCHEDULE:**

Construction	
Design	
DFD Mgt	
Contingency	
Equipment	
Other Fees	
<b>TOTAL</b>	<b>\$2,462,300</b>

A/E Selection	Feb 2016
Design Report	Aug 2016
SBC Approval	Oct 2016
Bid Opening	Mar 2017
Start Construction	May 2017
Substantial Completion	July 2017
Final Completion	Dec 2017

**PREVIOUS ACTION:**

None