

REQUEST FOR ENGINEERING SERVICES

DECEMBER 2014

AGENCY: Department of Health Services

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LOCATION: Mendota Mental Health Institute, Madison, Dane County

PROJECT REQUEST:

Request release of \$39,000 Building Trust Funds – Planning to prepare preliminary plans and a design report for the Mendota Mental Health Paging and Communication System Improvement project. The A/E selection will be for preliminary design, design report, final design, bidding and construction administration.

PROJECT NUMBER: 14K1N

PROJECT DESCRIPTION:

This project will upgrade the facility wide paging system and the Goodland Hall communication system. The new facility wide paging system will utilize existing fiber optic cable to connect to the 13 buildings on the system. Amplifiers, speakers, and wiring in each of the buildings will be replaced. The Goodland Hall communication system will also be replaced. This system is used by clinical and security staff to monitor patient rooms and provide paging within the building or sections of the building. The communication system is also used by security as an intercom to monitor building entrances. The two systems are interconnected so that staff can page within the building or facility-wide. Staff can access the systems by microphone or telephone.

PROJECT JUSTIFICATION:

This project is required to provide a reliable paging and communication system for security and clinical staff at MMHI. This need is very acute at Goodland Hall. Changes in the patient population require enhanced security measures to protect patients and staff. The existing paging and communication systems have had repeated failures. Components fail at a high rate and are no longer supported by the manufacturer. Clinical staff now monitor multiple patient rooms simultaneously. This overloads and shuts down the current system as it was not designed to be operated in this manner. These two interconnected systems provide a means of mass notification in the event of a natural or man-made emergency. Security uses these two systems extensively to call for additional resources during a security event. There have been multiple occurrences when pages could not be heard at all parts of the facility or within Goodland Hall.

The communication system in Goodland Hall is complex as it performs multiple functions for security and clinical staff. The A/E firm for this project must have experience in designing paging and communication systems in a secure healthcare environment.

BUDGET/SCHEDULE:

Construction	\$
Design	\$
DFD Mgt	\$
Contingency	\$
Equipment	\$
Commissioning Fee	\$
TOTAL	\$1,370,000

SBC Approval	Aug 2015
A/E Selection	Dec 2014
Design Report	Jun 2015
Bid Opening	Jan 2016
Start Construction	Mar 2016
Substantial Completion	Dec 2016
Final Completion	Mar 2017

PREVIOUS ACTION:

None