

RESOLUTION NO. _____ - 2017

AUTHORIZING THE PURCHASE OF TEN (10) FIBER NETWORK CARDS FROM CALIX NETWORK CONFIGURATIONS FOR THE SAUK COUNTY FIBER RING

Background: Sauk County owns and maintains a 96-count fiber network, an integral part of the nine county owned tower sites and facilities. The current fiber equipment is coming to its end of life, and new equipment went out for bid with Calix Network Configurations winning that bid. As the new Calix network equipment was provisioned and training took place, it was discovered that not enough network redundancy was built into the new fiber network equipment when comparing to our current fiber system. An increase to the size of the network capabilities has been made to accommodate the update of critical communications channels being implemented. Those channels include Page, Fire/EMS, Sheriff's repeater, and future tactical channels. The purpose of the extra cards is to be an active redundant back up to the master cards for the main data transfer on the network. This built in redundancy allows for a minimal length outage of the data network at a tower site or facility should a card fail. These channels could have life safety implications for first responders if not functioning properly.

Fiscal Impact: [] None [X] Budgeted Expenditure [] Not Budgeted

WHEREAS a quote to add ten (10) E7-2 GE-12 network cards into the County's fiber network was obtained at a cost of \$22,717.50 from Calix Network Configurations.; and,

WHEREAS only one quote from Calix Network Configurations was obtained as the additional or replacement cards are a proprietary item.; and,

NOW, THEREFORE, BE IT RESOLVED, by the Sauk County Board of Supervisors, met in regular session, hereby authorizes the Communications Technician to purchase ten(10) E7-2 GE-12 network cards for \$22,717.50 from Calix Network Configurations, to increase the active redundancy of the counties fiber network between tower sites and facilities.

For consideration by the Sauk County Board of Supervisors on July 18, 2017.

Respectfully submitted,

COMMUNICATIONS INFRASTRUCTURE COMMITTEE

SCOTT VON ASTEN, CHAIR

WILLIAM HAMBRECHT

KRISTIN WHITE EAGLE

THOMAS KRIEGL

ANDY ANDREWS

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FISCAL NOTE: The \$22,717.50 for the ten (10) network cards will be covered by money saved through the building and implementation of the new sheriff department page channel by the Communications Technician. The money will come from the Building Services Communications Capital Outlay budget.

MIS NOTE: No MIS impact