

**AGENDA # G.9**  
**Scio Township Board of Trustees**  
**Replacing the Cat5e cabling at Scio Township Hall**

**FOR MEETING DATE OF:** November 14, 2023

**PREPARED ON:** 11/09/2023

**PREPARED BY:** Chris Bailey

**SUBMITTED BY:** Information Technology

**ITEM TYPE:** Possible Action

**BACKGROUND:** The current cabling at Scio Township Hall has several issues. The cabling is Cat5E which is an older standard and not able to handle modern network traffic speeds. The cabling is not properly supported in the ceiling with J hooks which can lead to physical issues with the cables. The labeling of the patch panel and ethernet ports around the building are poorly labeled, often handwritten with a sharpie. The biggest issue is the patch panel and accompanying network equipment is in the janitor closet/water heater room. This is very unsecure as the room is often left open during office cleaning and is easily accessible by anyone walking by the room. Physical access to equipment is one of the biggest security concerns for IT. The environment conditions of the room are bad for the network equipment with the dust, humidity and various cleaning chemicals stored in the room.

To remedy the issues, we would install Cat6 cabling throughout the building and with all patch panels and networking equipment installed in the current server room. This will allow for better security of the equipment, a controlled climate for equipment longevity and establish an easy-to-understand network layout. With new Cat6 cabling and cable runs we will be able to have an infrastructure ready for the future and establish a wireless network able to handle modern networking needs.

Components of this are:

Replace all cat5e cabling with Cat6

Add additional cabling for Wireless AP's and Cameras

Install patch panels in server room

Install rack for mounting patch panels, switches, firewall and servers

Test and document all cable runs

New cables at users desk for connecting to network

New patch panel cables of proper length to replace overly long cables currently used

**FISCAL IMPACT:** \$27911.22

**RECOMMENDATION:** IT recommends to use the vendor CTS companies. I have worked with this company in the past at my previous employment and can attest to the quality of their work. In addition to CTS companies I received a quote from Cabling Concepts, a company I have also previously worked with and have only positive things to say about their work. There is a third company I am attempting to get a quote from named CTC. It has been problematic to get quotes from them for this

job. We had a walk through 2.5 weeks ago with no follow up on quoting. There was also a walk though in August without follow up for infrastructure quoting.

CTS Companies cost for the network cabling infrastructure job is \$27,911.22

Cabling concepts cost for the network cabling infrastructure job is \$31,428.00

**MODEL MOTION:** To approve acceptance of the attached quote from CTS for network cabling work at Township Hall in the amount of \$27,911.22.

**ATTACHMENTS:**

[AAAQ7517 120 drops.pdf](#)

**QUESTION:** Shall this Motion be APPROVED?