

Jennings County School Corporation

Request for Proposals – Category 2 Firewall and Wireless Infrastructure Upgrades

FCC FORM 470 #: 210010973

ISSUE DATE: January 8, 2021

Jennings County School Corporation is seeking sealed bids for a project to supply and install wireless access equipment and firewall data protection equipment at its eligible locations. Bidders are advised that this project will be contingent upon the successful obtaining of Category 2 E-Rate funding, and the contract agreement between the district and the successful bidder must recognize that contingency.

The Jennings County School Corporation seeks an agreement that allows it to work with the selected vendor to adjust quantities and/or scale back or cancel the project entirely as needed based upon funding availability and/or the best interests of the Jennings County School Corporation. Jennings County School Corporation anticipates implementing this project during the summer of 2021.

PROJECT SCOPE

The Jennings County School Corporation seeks eligible equipment as outlined in Appendix A. Equipment shall be new, factory-sealed equipment currently available from the manufacturer; the Jennings County School Corporation will not accept proposals of used, remanufactured, refurbished, “B stock,” returns, open-box, discontinued, “gray market,” or equipment in any other condition other than new and factory-sealed with all original manufacturer warranties.

Wireless AP Installation

Installation will be in place of existing wireless equipment and the requested equipment will be integrated into the existing environment. Each bid should include all labor necessary for staging, installation, testing, and documentation of the wireless equipment. Prior to installation, the selected vendor will conduct a WiFi spectrum analysis to identify additional locations at each eligible site where additional wireless equipment and cabling may be required to provide sufficient WiFi service. Please see “Wireless Cabling Installation” below. Equipment staging will consist of (but not be limited to) ensuring firmware version consistency, configuration loading, and hardware preparation for mounting. Software and firmware version for components will be agreed upon at time of deployment, and configurations will be coordinated with Jennings County School Corporation staff.

Installation by the selected vendor shall include the removal of the existing equipment and placement of the new equipment. All displaced equipment will remain the property of Jennings County School Corporation. The selected vendor will coordinate with Jennings County School Corporation as to the storage location for the displaced equipment at each site. Equipment testing should verify access to internal resources and the Internet. Documentation should include configuration and summary reports of installations. Installation can be performed from a ladder in most cases; for a small number of APs, a contractor-provided lift will be required.

Proposals should include pricing for 8 hours of onsite professional training that is manufacturer-specific basic instruction on the use of eligible equipment. The training should be directly associated with equipment installation, and part of the contract or agreement for the equipment being proposed.

Wireless Cabling Installation

Contractor will supply pricing for time and materials to install up to a total of 48+/- Category 6 plenum cable runs, each of an average of 250’ at the schools listed below, terminated in Owner-supplied patch panels in

IDF/MDF. The contractor shall provide and install all equipment, materials, cabling, hardware and labor required to deliver a complete and fully functional network cabling infrastructure and a computer (data) network cabling infrastructure as specified. All terminations shall meet or exceed Category 6 ratings.

Brush Creek Elementary	3+/- runs
Graham Creek Elementary	4+/- runs
Hayden Elementary	4+/- runs
North Vernon Elementary	6+/- runs
Sand Creek Elementary	4+/- runs
Scipio Elementary	4+/- runs
Jennings County Middle School	5+/- runs
Jennings County High School	9+/- runs

This cabling will be new cabling infrastructure as determined by the pre-installation WiFi spectrum analysis performed as part of the installation of the wireless equipment and should follow established cable paths where possible.

Each of the schools has a lift out ceiling tile structure which will allow easy access to the established cable paths. Most runs are in open or drop ceilings and can be reached via ladder, though a few will require a contractor-supplied lift to install. Cables should be in cable tray where available, and otherwise suspended every 4 feet in drop ceilings using J or D style hooks or in enclosed conduit on exterior runs. The contractor shall not tie or suspend wiring to sprinkler pipes, electrical conduits or insulated ceiling joists. Under no circumstances shall wiring be laid on or across ceiling tiles.

Runs to WAP locations will be terminated in single-gang above-ceiling boxes with a 6' service loop left neatly coiled and supported above the ceiling on each end of the run.

All cabling and hardware at all locations shall be Panduit product or equivalent.

All installed cabling will be labeled on both termination points. Cable labeling schema, cable colors, and faceplate jack colors must be coordinated with owner.

Wiring which requires routing through steel walls or other abrasive surfaces shall be protected using rubber grommets, conduit sleeves or other appropriate protective devices. Holes around conduit sleeves which penetrate between floors, walls and ceilings shall be completely filled with matching material. All wiring penetrations through fire-rated walls, floors or ceilings shall be completely filled with fire-rated caulk.

All horizontal wiring shall run parallel to walls. Turns and room entries shall make ninety (90) degree angles while maintaining the manufacturer's minimum specified bend radius.

The contractor shall make themselves aware of all adjacent AC power and other high voltage circuits so as to give adequate separation between high and low voltage wiring.

Installation, testing and labeling is to be done in a professional manner and must be in accordance with the current TIA/EIA Telecommunications Building Wiring Standards. Wiring shall meet or exceed all state and local electrical codes.

It is the responsibility of the contractor to remove all debris from the project site. All areas shall be wiped clean and floors broom swept clean.

Documentation and as-built drawings must be provided at the owner's request.

Firewall Installation

Installation will be replacement of existing firewall equipment and the requested equipment will be integrated into the existing environment. Each bid should include all labor necessary for staging, installation, testing, and documentation of the firewall equipment. Equipment staging will consist of (but not be limited to) ensuring firmware version consistency, configuration loading, and hardware preparation. Software and firmware version for components will be agreed upon at time of deployment, and configurations will be coordinated with Jennings County School Corporation staff.

Installation by the selected vendor shall include the removal of the existing equipment and placement of the new equipment. All displaced equipment will remain the property of Jennings County School Corporation. The selected vendor will coordinate with Jennings County School Corporation as to the storage location for the displaced equipment at each site. Equipment testing should verify access to internal resources and the Internet. Documentation should include configuration and summary reports of installations.

Proposals should include pricing for 8 hours of onsite professional training that is manufacturer-specific basic instruction on the use of eligible equipment. The training should be directly associated with equipment installation, and part of the contract or agreement for the equipment being proposed.

QUESTIONS/SITE VISITS

No informational meetings or building visits will be scheduled. Any questions related to the technical aspects of this document should be directed to Josh Taylor, Director of I.T., at joshtaylor@jcsc.org, no later than 2:00 PM Eastern Time on Friday, January 22, 2021. Answers to any written questions or any additional information, revisions, or clarifications to the RFP will be provided in the form of an addendum to be posted with the FCC Form 470 on the Universal Service (E-Rate) website. It is the sole responsibility of the Service Provider to check for any addenda that may be issued.

Building drawings may be requested via e-mail to the contact above. For security purposes, this is the only way to get these drawings.

RESPONSE FORMAT

Responses should include the following, if applicable:

- Applicable items should include all related software and hardware components that enable the functionality of the equipment (including any necessary mounting brackets, software licenses, multi-year licenses, and basic maintenance).
- If applicable, vendor is to specify all fees, shipping charges, taxes, surcharges and contingency fees for eligible equipment.
- If applicable, vendor is to specify the manufacturer's warranty provided as an integral part of an eligible component without separately identifiable cost.
- Any ongoing subscription pricing must be listed separately.

Your response **must** include the following information:

1. Line-item pricing for each item listed in Appendix A. Any discounting applied to your proposal must be reflected at the line-item level. **This information must be provided in electronic spreadsheet form.**

2. In the case of proposed equivalent products, a thorough technical description of how each product from the manufacturer being bid meets each of the required functionalities of the product listed below.
3. Information outlining your company's certifications and connections regarding the manufacturer's equipment being bid, and length of time your company has provided equipment from the manufacturer being bid.
4. Two (2) reference sites where your company has performed a similar installation of the equipment being bid, including business name, contact name and contact information. It is preferable that at least one reference should be for a school corporation or library system within 90 miles of the Jennings County School Corporation.
5. Your E-Rate SPIN Number. You must have a current SPAC form on file with USAC.
6. A ready-to-execute contract which includes the proposal requirements and the E-Rate contingencies outlined herein.

The Jennings County School Corporation's review of information will be primarily focused on the substance of the details provided in response to the requirements herein including but not limited to technical details, pricing and terms, experience, references, and adherence to the response format provided. Line-item pricing must be provided for each item listed in the bid (any discounting in pricing on the bid must be reflected at the line-item level).

PROPOSAL DELIVERY

Notice is hereby given that the Board of School Trustees of the Jennings County School Corporation, North Vernon, Indiana will receive sealed bids at the Jennings County School Corporation Administration Building located at 34 W Main St., North Vernon, IN 47265 until 1:00 PM Eastern Time on Friday, February 19, 2021 at which time they will be publicly opened and read aloud. Envelopes containing bids shall be plainly marked "Bids – Category 2 Firewall and Wireless Infrastructure Upgrades. Bids received after the designated time will be returned unopened.

Bidders must submit a hard copy of their bid and any required forms, AND an electronic version of the bid response (including any required forms) on a USB flash drive in a sealed envelope, with their firm's name and address clearly indicated on the envelope. Note that FAXED bids are not acceptable and will be rejected as non-responsive. Bids are to be addressed as follows: the Jennings County School Corporation Administration Building located at 34 W Main St., North Vernon, IN 47265, ATTN: Myra Fischvogt.

The Jennings County School Corporation Board of School Trustees reserves the right to reject any and all bids, and to waive informalities, irregularities, and errors in the bidding to the extent permitted by law. This includes the right to extend the date and time for receipt of bids. In the event that a responsible bid is not received or if it is determined that the low bid received is too high, the bid received will be rejected and the project will be cancelled or re-bid. Bids may not be withdrawn during the sixty (60) day period immediately following the date of receipt of the bids without the consent of Jennings County School Corporation.

APPENDIX A Equipment/Capacity Specifications

Below is a reference of the type of equipment and capacities (or their equivalent) to be supplied. Bidders should price separately and clearly indicate any ineligible costs for all services and equipment associated with this RFP.

Brush Creek Elementary (BEN:)

Part Number	Description	Quantity
MR46	Meraki WiFi AP with WiFi 6 technology supporting 2.4 Ghz 802.11b/g/n/ax and 5 GHz 802.11a/n/ac/ax with security scanning, Bluetooth Low Energy, and external antenna option or equivalent	31
LIC-ENT-5YR	Cisco Meraki MR Enterprise License and Support, 5 Years	31
Cable Run	250-foot Category 6 cable run with installation, termination, and testing	3

Graham Creek Elementary (BEN:)

Part Number	Description	Quantity
MR46	Meraki WiFi AP with WiFi 6 technology supporting 2.4 Ghz 802.11b/g/n/ax and 5 GHz 802.11a/n/ac/ax with security scanning, Bluetooth Low Energy, and external antenna option or equivalent	25
LIC-ENT-5YR	Cisco Meraki MR Enterprise License and Support, 5 Years	25
Cable Run	250-foot Category 6 cable run with installation, termination, and testing	4

Hayden Elementary (BEN:)

Part Number	Description	Quantity
MR46	Meraki WiFi AP with WiFi 6 technology supporting 2.4 Ghz 802.11b/g/n/ax and 5 GHz 802.11a/n/ac/ax with security scanning, Bluetooth Low Energy, and external antenna option or equivalent	29
LIC-ENT-5YR	Cisco Meraki MR Enterprise License and Support, 5 Years	29
Cable Run	250-foot Category 6 cable run with installation, termination, and testing	4

North Vernon Elementary (BEN:)

Part Number	Description	Quantity
MR46	Meraki WiFi AP with WiFi 6 technology supporting 2.4 Ghz 802.11b/g/n/ax and 5 GHz 802.11a/n/ac/ax with security scanning, Bluetooth Low Energy, and external antenna option or equivalent	56
LIC-ENT-5YR	Cisco Meraki MR Enterprise License and Support, 5 Years	56
Cable Run	250-foot Category 6 cable run with installation, termination, and testing	6

Sand Creek Elementary (BEN:)

Part Number	Description	Quantity
MR46	Meraki WiFi AP with WiFi 6 technology supporting 2.4 Ghz 802.11b/g/n/ax and 5 GHz 802.11a/n/ac/ax with security scanning, Bluetooth Low Energy, and external antenna option or equivalent	48
LIC-ENT-5YR	Cisco Meraki MR Enterprise License and Support, 5 Years	48
Cable Run	250-foot Category 6 cable run with installation, termination, and testing	4

Scipio Elementary (BEN:)

Part Number	Description	Quantity
MR46	Meraki WiFi AP with WiFi 6 technology supporting 2.4 Ghz 802.11b/g/n/ax and 5 GHz 802.11a/n/ac/ax with security scanning, Bluetooth Low Energy, and external antenna option or equivalent	35
LIC-ENT-5YR	Cisco Meraki MR Enterprise License and Support, 5 Years	35
Cable Run	250-foot Category 6 cable run with installation, termination, and testing	4

Jennings County Middle School (BEN:)

Part Number	Description	Quantity
MR46	Meraki WiFi AP with WiFi 6 technology supporting 2.4 Ghz 802.11b/g/n/ax and 5 GHz 802.11a/n/ac/ax with security scanning, Bluetooth Low Energy, and external antenna option or equivalent	66
LIC-ENT-5YR	Cisco Meraki MR Enterprise License and Support, 5 Years	66
Cable Run	250-foot Category 6 cable run with installation, termination, and testing	5

Jennings County High School (BEN:)

Part Number	Description	Quantity
MR46	Meraki WiFi AP with WiFi 6 technology supporting 2.4 Ghz 802.11b/g/n/ax and 5 GHz 802.11a/n/ac/ax with security scanning, Bluetooth Low Energy, and external antenna option or equivalent	96
MR56	Meraki WiFi AP with WiFi 6 technology supporting 2.4 Ghz 802.11b/g/n/ax and 5 GHz 802.11a/n/ac/ax with security scanning, Bluetooth Low Energy, and external antenna option or equivalent	12
MR76	Meraki Outdoor and Industrial WiFi AP with WiFi 6 technology supporting 2.4 Ghz 802.11b/g/n/ax and 5 GHz 802.11a/n/ac/ax with security scanning, Bluetooth Low Energy, and external antenna option or equivalent	1
MA-ANT-20	Meraki 4/7 dBi Dual-Band Omni Antenna Set	2
LIC-ENT-5YR	Cisco Meraki MR Enterprise License and Support, 5 Years	109
S14	Smoothwall model S14 10 Gb Firewall Appliance with licensing to service 8000 users or equivalent	2
Cable Run	250-foot Category 6 cable run with installation, termination, and testing	9

	and testing	
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Total: All Sites

Part Number	Description	Quantity
MR46	Meraki WiFi AP with WiFi 6 technology supporting 2.4 Ghz 802.11b/g/n/ax and 5 GHz 802.11a/n/ac/ax with security scanning, Bluetooth Low Energy, and external antenna option or equivalent	386
MR56	Meraki WiFi AP with WiFi 6 technology supporting 2.4 Ghz 802.11b/g/n/ax and 5 GHz 802.11a/n/ac/ax with security scanning, Bluetooth Low Energy, and external antenna option or equivalent	12
MR76	Meraki Outdoor and Industrial WiFi AP with WiFi 6 technology supporting 2.4 Ghz 802.11b/g/n/ax and 5 GHz 802.11a/n/ac/ax with security scanning, Bluetooth Low Energy, and external antenna option or equivalent	1
MA-ANT-20	Meraki 4/7 dBi Dual-Band Omni Antenna Set	2
LIC-ENT-5YR	Cisco Meraki MR Enterprise License and Support, 5 Years	399
S14	Smoothwall model S14 10 Gb Firewall Appliance with licensing to service 8000 users or equivalent	2
Cable Run	250-foot Category 6 cable run with installation, termination, and testing	39

The following sites are ineligible for Category 2 funding. However, the Jennings County School Corporation wishes to purchase the following equipment under the same agreement.

Jennings County Adult Education Center

Part Number	Description	Quantity
MR46	Meraki WiFi AP with WiFi 6 technology supporting 2.4 Ghz 802.11b/g/n/ax and 5 GHz 802.11a/n/ac/ax with security scanning, Bluetooth Low Energy, and external antenna option or equivalent	16
LIC-ENT-5YR	Cisco Meraki MR Enterprise License and Support, 5 Years	16
Cable Run	250-foot Category 6 cable run with installation, termination, and testing	4

Jennings County Administration Building

Part Number	Description	Quantity
MR46	Meraki WiFi AP with WiFi 6 technology supporting 2.4 Ghz 802.11b/g/n/ax and 5 GHz 802.11a/n/ac/ax with security scanning, Bluetooth Low Energy, and external antenna option or equivalent	6
LIC-ENT-5YR	Cisco Meraki MR Enterprise License and Support, 5 Years	6
Cable Run	250-foot Category 6 cable run with installation, termination, and testing	2