

Request for Proposal

January 04, 2023

Form 470 Application #: 230006482

**Norway Vulcan Area Schools
300 Section St.
Norway, Mi 49870
906-563-9542**

Network Upgrade Project 2022-23

NOTICE TO BIDDERS

The Norway Vulcan Area School District is accepting bids on a layer 3 network switch and 48 port switches for data closets. Bids will also be accepted on replacing our in-house Multimode fiber with Single Mode Fiber Bids must be received on or before **Monday, February 6, 2023 at 2 p.m. local time (2 p.m. CST)**. Bids may be submitted by mail at the above address or E-mail to **sandrews@nvknights.org**

Bid Specifications are available on our website at <https://www.nvknights.org/techbids.html> or can be obtained from Steve Andrews, Director of Technology, Norway Vulcan Area Schools, 300 Section St., Norway MI 49870.

Steve Andrews
Director of Technology
sandrews@nvknights.org

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906-563-9542

Requirements

The purpose of this project is to upgrade our network infrastructure by modernizing aging core network hardware. Our core network infrastructure has standardized on HP/Aruba.

Section 1 - Network Switches (Aruba)

Section 2 – Fiber upgrade

Vendors may bid on one or more sections. Each section will be awarded individually. Actual quantities purchased may vary from the bid, depending upon the overall budget. Norway Vulcan Area Schools reserves the right to cancel portions or the entire project depending on available funding.

Section 1 - Network Switches (Aruba)

This section includes the Ethernet switches to provide gigabit or faster POE connectivity.

- One (1) Aruba 6300 M JL658A equivalent or better
 - Preference will be given to a model with a redundant power supply included with the switch
- Seventeen (17) Aruba 6100 JL675A 48G equivalent or better

Section 2 – Fiber upgrade

This section comprises upgrading current in-house fiber at the Norway Vulcan Area school's campus to 12 strand single-mode fiber runs originating in each closet and terminating at the HS main data closet. The fiber patch cables shall be of two (2) meters in length to ensure that they have sufficient length to reach each SFP+ port. Even though Norway Vulcan Area Schools comprises an elementary, middle and high school, it is one building. All fiber runs remain in the campus.

- Upgrade the existing OM1 class Multi-mode (MM) interior fiber cable. There are a total of 7 data closets, so 6 closets would need fiber runs back to the main closet.
 - Run one (1) new SM interior fiber cable between the High School Main Data Closet and the High School Lab 101.
 - Run one (1) new SM interior fiber cable between the High School Main Data Closet and the High School Lab 105.
 - Run one (1) new SM interior fiber cable between the High School Main Data Closet and the middle school lab.
 - Run one (1) new SM interior fiber cable between the High School Main Data Closet and the middle school Main Closet.
 - Run one (1) new SM interior fiber cable between the High School Main Data Closet and

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- elementary main closet
- Run one (1) new SM interior fiber cable between the High School Main Data Closet and the Fine Arts closet
- In addition, this bid shall include,
 - New fiber patch panels on each end of the run.
 - Termination, testing and certification of all strands.
 - Labeling on patch panels and strands at both ends.
 - Six (6) 2-meter SM patch cables with an LC termination on one end and the other end compatible with new patch panels.

A walkthrough is not necessary but highly recommended. Please contact Steve Andrews to schedule a walkthrough of the building. Building maps available upon request.

Universal Service Fund (eRate):

The Norway Vulcan Area School District will apply for Universal Service Fund monies to cover approximately 80% of this project. This project is contingent on receiving eRate funding. Bidders must be an approved service provider and include their SPIN number with their bid. The USAC website can be found at: <http://www.usac.org/e-rate/>.

Project Timing:

Vendors will be notified on February 7, 2023 if they are the successful bidder. The project start dates are contingent on receiving our Funding Commitment Decision Letter (FCDL) from USAC. Vendors shall include a contingency of price increases that will account for project delays.

Staging and Other factors:

Depending upon the total cost of the project and the overall budget, Norway Vulcan Area Schools may choose to decrease the number of units purchased or cancel the project entirely. If that is the case, vendors need to be able to scale their proposal accordingly. Vendors will be selected based on their overall bid for the section(s) to which they are applying.

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Project Management/Coordination:

This project is being coordinated by Steve Andrews, Director of Technology, Norway Vulcan Area Schools. Any questions should be directed to his email: sandrews@nvknights.org or phone: 906-563-9542. For prompt response, email is preferred.

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Request for Quotation

BID FORM

Section 1 - Network Switches (Aruba) and Transceivers

ITEM	Description	Qty	Cost/Each	Total
1	One (1) Layer 3 Network Switch, HP 6300M JL658A equivalent or better (must include a minimum of 24 SFP+ ports) <ul style="list-style-type: none">Specify Model: _____	1		
2	Seventeen (17) Aruba 6100 JL675A 48G equivalent or better Specify Model: _____	17		
3	Additional Project Costs or Contingency <ul style="list-style-type: none">Provide Details	Lot		
4	Shipping Costs (to 300 section St., Norway MI 49870)	Lot		
			Total:	\$

Estimated delivery time after the order is placed _____ weeks

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BID FORM

Section 2 – Fiber upgrade

ITEM	Description	Qty	Cost/Each	Total
1	Run one (1) new SM interior fiber cable between the High School Main Data Closet and the High School Lab 101 with all included items from summary.			
	Run one (1) new SM interior fiber cable between the High School Main Data Closet and the High School Lab 105 with all included items from summary.			
	Run one (1) new SM interior fiber cable between the High School Main Data Closet and the middle school lab with all included items from summary.			
	Run one (1) new SM interior fiber cable between the High School Main Data Closet and the middle school Main Closet with all included items from summary.			
	Run one (1) new SM interior fiber cable between the High School Main Data Closet and elementary main closet with all included items from summary.			
	Run one (1) new SM interior fiber cable between the High School Main Data Closet and the Fine Arts closet with all included items from summary.			
	Shipping Costs (to 300 section St., Norway MI 49870	Lot		
Total				\$

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