



Request for Bid for
Professional Services for Implementation of
New Network Hardware

Issued August 22, 2019

Purpose of Bid

The Village of North Aurora is seeking bids for professional services to implement new network hardware for the following facilities:

The Village Hall, Police Department, Public Works, Water Tower West, and Water Tower East.

Delivery of Sealed Bids

Sealed BIDS for the NETWORK HARDWARE REPLACEMENT will be received by the Village of North of North Aurora at the Village Hall until 2:00 P.M. (Local Time), on the 9th day of September 2019, and then at said office and time, publicly opened and read aloud.

The Village of North Aurora reserves the right to reject any and or all Bids, to waive any irregularities and informalities. Awards will be made to the lowest responsible Bidder as determined by the Village of North Aurora.

All bids should be delivered to Village Hall either certified mail, or in person. Hard copy only and must be sealed.

Bids submitted must be binding for not less than 60 days after the date received. Any bids received after the required time and date specified for receipt shall be considered late and non-responsive. Any late bids will not be evaluated for award.

Vendor Requirements

The vendor must be an Authorized Reseller for the Manufacturer(s) of the hardware or component they are proposing. No unauthorized manufacturer resellers will be considered. The items are to be new and not refurbished or remanufactured. Proof of authorization must be included with the proposal.

The vendor must not be barred by law from submitting a bid to the Village for this project because of a conviction for prior violations of either Illinois, 720 ILCS 5/33E-3 (Bid Rigging) or 720 ILCS 5/33-4 (Bid Rotating).

The vendor is not delinquent in payment of any taxes to the Illinois Department of Revenue in accordance with 65 ILCS 5/11-42.1.

Bid Preparation Costs

The Village of North Aurora will not pay any costs incurred by any Vendor in the proposal preparation, printing, demonstration or negotiation process. All costs shall be borne by the proposing Vendors.

Schedule of Events

Request for Bid Release Date	August 22, 2019
Bid Response Due	September 9, 2019
Contract Awarded	September 17, 2019

Guidelines for Bid Submission

Award of the contract resulting from this bid request will be based upon the most responsive Vendor whose offer will be the most advantageous to the Village of North Aurora in terms of cost, completeness, and ability to deliver on time.

The Village of North Aurora reserves the right to:

- Reject any or all offers and discontinue the process without obligation or liability to any potential Vendor,
- Purchase equipment from another source if better pricing can be obtained,
- Accept other than the lowest price offer,
- Award a contract based on initial offers received, without discussion or request for best and final offers, and

The bid response shall include:

- Clear, detailed scope of work that includes all professional services for implementation of equipment as listed in Equipment to be Implemented section of this bid request.
- Proof of status as authorized reseller for Fortinet.
- Agreement to the terms specified in this request for bid

Equipment Requirements

The table below details existing equipment and what should be quoted to replace it.

Common Name	Building	Description	Location	Manufacturer	Model Number	Type	Replacement Model
FVVH	Administration	Village Hall Firewall	Computer Room	Fortinet	FortiGate 200D	Firewall	FG-100E-BDL-950-60
24 port switch 1	Administration	switch	Computer Room	Netgear	PROSAFE24	Switch	FS-148E
24 port switch 2	Administration	switch	Computer Room	Netgear	PROSAFE24	Switch	
Village-AP1-2	Administration	Village First Floor AP	Computer Room	Fortinet	FortiAP 210B	WAP	FAP-221E-A
Village-AP1-1	Administration	Wireless Access Point	Council Chambers	Fortinet	FortiAP 201B	WAP	FAP-221E-A
Village-AP1-3	Administration	Wireless Access Point	Village Board Meeting Room	Fortinet	FortiAP-220B	WAP	FAP-221E-A
Village-AP1-4	Administration	Wireless Access Point	New- Customer Placed	NEW	NEW	WAP	FAP-221E-A
FVPD	Police	Police Department firewall	Computer Room	Fortinet	FortiGate 200D	Firewall	FG-100E-BDL-950-60
PD COMM-AP	Police	Community Room wireless access point	Community Room	Fortinet	FortiAP 210B	WAP	FAP-221E-A
RANGE-AP	Police	PD range WAP	Range	Fortinet	FortiAP 210B	WAP	FAP-221E-A
PD Internal-AP1	Police	Shared WAP for PD	Roll Call Room	Fortinet	FortiAp 210B	WAP	FAP-221E-A
Cameras	Police	switch	Computer Room	Netgear	7248F	Switch	FS-148E-POE
Data	Police	switch	Computer Room	Netgear	7248F	Switch	
HPE 1	Police	switch	Computer Room	HPE	2810- 48	Switch	FS-148E-POE
HPE 2	Police	switch	Computer Room	HPE	2810- 48	Switch	FS-148E
HPE 3	Police	switch	Computer Room	HPE	2810- 24	Switch	FS-124E
Data	Police	switch	Range	Cisco	SF102-24	Switch	FS-148E-POE
Cameras	Police	switch	Range	Netgear	GS724TPS	Switch	
FVPWG	Public Works	Firewall	Foreman Office	Fortinet	Fortigate 60c	Firewall	FG-60E-BDL-950-60
FWETP	Water tower 1	Firewall with built in wifi	Foreman Office	Fortinet	Fortigate 60d	Firewall	FWF-50E-BDL-950-60
FWWTP	Water tower 2	Firewall with built in wifi	Foreman Office	Fortinet	Fortiwifi-60C	Firewall	FWF-50E-BDL-950-60
Data	Police	multimode gbic	Range	Fortinet	multimode	switch adapter	FG-TRAN-SX-ENC
Data	Police	multimode gbic	Computer Room	Fortinet	multimode	switch adapter	FG-TRAN-SX-ENC

Scope of Work Requirements

The Village of North Aurora expects the selected vendor to provide industry best practices for design, installation, management of production services, and any specifics related to their proposed solution. It is desired that the solution architecture is designed to accommodate future growth without requiring the village to invest in expensive network architecture redesign. In case the Village chooses to work with more than one vendor for the right solution, it is expected that all vendors work together for the successful completion of the project. It is very important for vendors to understand the current network design and configuration and come up with a plan showing proposed solution steps. If at any point the plan, design, or expectations are not aligned with the solution, it is expected to the vendor to bring to the Village of North Aurora's attention immediately. The following requirements are mandatory:

- Discovery, Programming, Staging and Deployment Schedule
- Participate in creating master timeline involving ISP and hosted voice install
- Describe the install process, outages, and what to expect
- Provide a written timeline of specific dates after agreed
- Perform discovery on all network configurations and vendors including but not limited to the following:
 - All routers, routes, VPNs, and ISP configurations (existing and new ISP)
 - ACLs on all firewalls
 - Network configuration of all switches
 - Configuration of camera network
 - Network configuration for existing wireless
 - Existing UTM and security policies in place
 - Two-factor authentication (2FA) for remote access
 - Understanding of internal IP addresses to better segment and protect (Servers, Network Equipment, Devices, Users, Guests)
 - Active Directory
- Program all equipment (Remotely or onsite)
 - If onsite, the village will need to be provided a reasonable list of items/space/power required to complete programming
- Stage all equipment on site
- Connect new Metronet circuits to new firewalls at two locations and test WAN connectivity in a side by-side demonstration (Note: this may occur before, during, or after install of new equipment depending on timelines of other vendors)
- A "hot" cutover of all equipment is acceptable
- Vendors must work in such a manner that village hall and police department locations are replaced or cutover on a Friday starting at 1 PM.
- Public works and the water plants can be replaced during normal business hours
- It is suggested to have proposed weekend availability, but ultimately first day of coverage will be on a Monday.
- Vendors are required to submit the complete plan and action steps clearly specifying execution items.
- The vendor is required provide backups of all network configuration and any other documentation deemed necessary for asset tracking and verification of proper install
- The Village of North Aurora will sign off on completion of the job