



Wired and Wireless Network Infrastructure

22013P

Due by:
2:00 p.m. LT
Friday, February 4th, 2022

**ANOKA-HENNEPIN SCHOOL DISTRICT
CALL FOR PROPOSAL**

Request for Proposals 22013P– Wired and Wireless Network Infrastructure

Proposals due by 2:00 p.m. Local Time (LT) on Friday, February 4th, 2022

By order of the School Board of Anoka-Hennepin School District, sealed proposals for Wired and Wireless Network Infrastructure be received in accordance with the specifications prepared by the Anoka-Hennepin School District until 2:00 p.m. LT, on Friday, February 4th, 2022 at the District Purchasing Department, 2727 North Ferry Street, Anoka, MN 55303. Hand delivered proposal must be checked in at the reception desk located at Entrance #1.

The following project dates have been established: Proposals issued Thursday, January 6, 2021. Closing date for vendor questions is Monday, January 17, 2022 by 4:00 p.m. LT, responses to vendor questions issued **by Friday, January 21, 2022 at 4:00 p.m. LT**, Proposal opening is **Friday, February 4th, 2022 at 2:00 p.m. LT**.

Specifications may be examined or obtained at the Anoka-Hennepin School District, Purchasing Department, 2727 North Ferry Street, Anoka, Minnesota 55303 between the hours of 7:30 a.m. and 4:00 p.m. LT or by calling the Purchasing Department at 763-506-1300.

No vendor may withdraw their proposal within sixty (60 days) after the scheduled closing time for the receipt of Proposals.

The School Board reserves the right to reject any or all proposals or parts of proposal and to waive informalities in the proposals.

ANOKA-HENNEPIN SCHOOL DISTRICT

CLERK OF THE SCHOOL BOARD

Jeff Simon

To be published in Sun Publisher on Thursday, January 6, 2022 and January 13, 2022.

To be published in ECM Publisher on Friday, January 7, 2022 and January 14, 2022.

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PART 1 - GENERAL INSTRUCTIONS

1.01 INVITATION

Proposals will be received at the Purchasing Department of Anoka-Hennepin School District, 2727 North Ferry Entrance #1, Anoka, MN, 55303 until **2:00 p.m. on Friday, February 4th, 2022** for a **22013P Wired and Wireless Network Infrastructure**, in accordance with the specifications included in this document.

1.02 BACKGROUND AND OBJECTIVE

Anoka-Hennepin School District is requesting proposals from vendors interested in providing a solution for Network Infrastructure and Implementation Services. The District is currently seeking to replace the current local area network (LAN), wide area network (WAN), and wireless local area network (WLAN) that it has in place. All existing network switches and wireless access points will be replaced. We currently have approximately 3,550 wireless access points and 780 network switches in place. It is anticipated that a new solution would add additional functionality and better suit the needs of our organization. The District is seeking a single, unified network management tool to centrally manage, monitor, and maintain both the wired and wireless networks using a single pane of glass.

The District plans to file for E-Rate for Category 2 funding. Vendors responding must have a current SPIN and agree to follow all E-Rate program rules.

- A. The District intends to seek E-Rate funding for all eligible services contained herein. This includes but is not limited to equipment, installation services, and maintenance costs.
- B. All required documents for E-Rate related to this RFP can be found on the E-Rate Productivity Center Portal at <https://portal.usac.org/suite/>.
- C. Before the due date for this RFP, the Respondent shall have a valid Service Provider Identification Number (SPIN) and be in good standing with the Universal Service Administrative Company.

For more information about Anoka-Hennepin Schools, please view our website at www.ahschools.us.

1.03 DEFINITIONS

- **District** refers to Anoka-Hennepin School District and any department or board of the School District.
- **LT** means Local Time
- **Vendor** means the company submitting a proposal in response to this RFP
- **Manufacturer** means the wired or wireless equipment manufacturer
- **Contract Vendor** refers to the Vendor that has been awarded a contract as a result of this proposal.
- **RFP** means Request for Proposal
- **WAN** means wide area network
- **LAN** means local area network
- **WLAN** means wireless local area network

1.04 INSTRUCTIONS

A. Response Preparation

Vendor to submit one (1) bound original printed on standard copy paper, for reproduction for evaluation team, clearly labeled with:

Vendor Name

22013P Wired and Wireless Network Infrastructure

Attn: Tiffany Audette/Purchasing

and a notation "Proposal Enclosed – Do Not Open until (Friday, February 4th, 2022)

The proposal must be signed by an officer or other employee authorized to submit the proposal. Proof of authority of the person submitting the proposal must be made available upon request from the District.

In addition to the above, all proposal documents must be submitted on a flash drive.

Acceptable delivery methods are listed below:

US Postal Service
FedEx, Courier, UPS
Personally hand delivered

B. Multiple Submissions

Vendors may submit multiple, alternative proposals for consideration by the District.

C. Delivery Response

Sealed Proposals must be received at the following address:

Anoka-Hennepin School District
Purchasing Department, Entrance #1
Attn: Tiffany Audette
2727 North Ferry Street
Anoka, MN 55303

If delivering in person, please check in with receptionist at Entrance #1.

In the event of an unforeseen closure at the Anoka-Hennepin School District site, that is designated in the solicitation for the receipt and opening of quotes, bids and/or proposals, at the date and time of the scheduled opening, the Procurement Department postpones the receipt and opening of quotes, bids and/or proposals as scheduled. The due date and time, specified for the receipt of quotes, bids and/or proposals is deemed to be extended, to the same time of day specified in the solicitation and on the first subsequent operational business day, unless otherwise amended prior to the due date and time.

D. Opening

Proposals will be opened on Friday, February 4th, 2022 at 2:00p.m. local time. From the time the response is submitted until a contract is in place, each response is considered a working document and, as such, will be kept confidential.

E. Late Submissions

The Vendor assumes the risk of any delay in the delivery of their proposal. Whether the proposal is sent by mail, or by means of personal delivery, the Vendor assumes responsibility for having their proposal clocked in on time at the location specified above. Any Proposals received after the proposal opening time identified in Section 1.04 may be rejected.

F. Editing of this Document

This document must be submitted without any alterations or edits to the terms and conditions. If your response submission is found to have any modifications, additions, or changes to the originally sent documents, your response may be considered fraudulent and be rejected.

Vendors must submit all proposals on the District's forms. Proposals submitted on company forms may be rejected.

G. Withdrawal of Submission

A proposal, once delivered to the formal custody of the District, may not be withdrawn until after the proposals are opened and acknowledged; and no response may be withdrawn for a period of sixty days from the opening. Once the District has received a proposal, that document becomes property of the District.

H. Vendor Responsibility

It is the obligation of each Vendor to examine instructions, requirements and specifications before submitting a proposal. Submission of a proposal shall be proof that such examination has been made and that each vendor has become thoroughly familiar with the requirements. The District will not be responsible for, nor honor any claims resulting from, or alleged to be the result of misunderstanding by the Vendor.

I. Incurring Costs

Neither the District nor its representatives shall be liable for any expenses incurred in connection with the preparation of a proposal, whether it is the successful Vendor. These costs include but are not limited to:

- bonding
- legal costs for any reason
- visitation costs
- reproduction
- postage and mailing

J. Disclosure of Data

According to state law, the content of all proposals and related correspondence, which discloses any aspect of the proposal process, will be considered public information when the award decision is announced. This includes all documents received in response to this RFP, both the selected proposal and the proposal(s) not selected. Therefore, the District makes no representation that it can or will maintain the confidentiality of such information.

K. Timeline

Refer to Part 2, 2.14 for detailed information.

L. Proposal Security

The proposal must be accompanied by a certified check or proposal security, payable to the Anoka-Hennepin School District, the sum of five percent (5%) of the amount of the proposal. The proposal security or checks of the three lowest proposal vendors will be retained until the contract has been awarded and signed by all concerned, but no longer than 30 days. All insurance companies providing proposal securities must be licensed to do business in the State of Minnesota.

M. Affidavit of Non-Collusion

Collusion of Vendors is cause for rejection of Vendors involved. A completed Affidavit of Non-Collusion must be submitted with each proposal. Please refer to Attachment A.

N. Pre-Proposal Meeting – Not Applicable

O. Inquiries Regarding Proposal

All inquiries concerning this RFP must be submitted via email to PurchQuotes@ahschools.us by **Monday, January 17, 2022**. The District will not be responsible for, nor honor any claims resulting from, or alleged to be the result of misunderstanding by the Vendor. No phone or in person inquiries will be accepted. It is the Vendor's responsibility to bring all discrepancies, ambiguities, omissions, or matters that need clarification to the District's attention. Responses to inquiries will be emailed to Vendors and posted to the district website in form of addendum by 4:00p.m. local time, **January 21, 2022**.

P. Deviation from Specifications

Where certain models of equipment, it is not the intent to discriminate against any approved equal but is intended to inform the Vendor of the function and general quality in which the District is interested.

The use of company names when referring to styles are for the descriptive purposes only and are not intended to be restrictive. Materials and items referred to in this proposal should be available to all Vendors.

Q. Samples – Not Applicable

R. Uniformity

To provide uniformity and to facilitate comparison of responses, all submissions must be printed in ink, signed and submitted on the forms provided. When additional sheets are necessary, they must be submitted clearly referring to the page number, section, or other identifying reference in this document. All information submitted must be noted in the same sequence as it appears in this document.

S. Interpretations and/or Clarifications

Interpretations and/or clarifications shall not be binding on Vendors unless repeated in writing and distributed as an addendum. Any changes, clarifications, or other interpretations regarding this document will be sent by the District to each Vendor. The addenda will become part of the proposal and will be included by reference in the final contract(s) between the Vendor(s) and the District.

1.05 EVALUATION AND AWARD

A. Vendor and Subcontractor Qualifications

The District may make reasonable investigations to determine the ability of the Vendor to perform the services as detailed in this RFP. The Vendor will furnish all information and data for this purpose, as may be requested. The District reserves the right to inspect Vendor's physical facilities prior to award to satisfy questions regarding the Vendor's capabilities. The District further reserves the right to reject any proposal if the evidence submitted by, or investigations of, such Vendor fails to satisfy the District that the Vendor is properly responsible and qualified to carry out the obligations of the contract.

By submitting an RFP, the vendor certifies as to meeting the following requirements, or the demonstrated equivalent as determined in the sole discretion of the District.

1. Has access to all necessary equipment and has organizational capacity and technical competence necessary to complete the Work properly and expeditiously.
2. Maintains a permanent place of business.
3. Maintains sufficient staffing of network engineers/installers/technicians to successfully complete the project within the timeline outlined in section 2.15

Subcontractors

If Vendor plans to use subcontractors, they must be identified under the References tab of your response. Vendor and/or its subcontractors shall be fully authorized by the vendor to perform the work defined and assigned to the subcontractor. The work defined by the subcontractor must be agreed to by the District.

B. Evaluation Criteria

A staff committee will review the proposals against the criteria in this RFP and score proposals.

The District reserves the right to ask for additional information or clarification of the submission from any or all proposers.

The final contract award will be conditioned upon the successful proposer's complying with all terms and conditions, mutual agreement about the final work plan, and completion of a contract agreeable to all parties.

Refer to Part 2, for more detailed information.

C. Right to Negotiate

The District reserves the right to negotiate on any or all components of each proposal submitted. From the time the proposals are submitted until the formal award of a contract, each proposal is considered a working document and, as such, will be kept confidential. The negotiation discussions will also be held as confidential until such time as the award is completed.

D. Award

The award will be made by the School Board of Anoka-Hennepin School District. The Proposal contract award will be based upon the technical merit and cost criteria provided in this solicitation. In evaluating Proposals, the District will have the final decision whether the Proposals comply with prescribed requirements and any alternatives being proposed. Discrepancies in the multiplication of units of work and unit prices will be resolved in favor of the unit price. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

- The District reserves the right to award the RFP in whole or in part, by item, and/or by group of items where such actions serve the best interests of the District. The District reserves the right to award alternates in any order that serves the best interests of the District.
- The District reserves the right to reject any or all Proposals or parts of Proposals and to waive informalities in the Proposal process.
- An Evaluation Committee will evaluate the quality and completeness of each submittal as it addresses each requirement of the RFP. Proposals will be evaluated and scored in categories as outlined in 2.16.
- Upon completion of the evaluation and negotiation process the proposals will be ranked in descending Points Total order, high to low, and recommended to the School Board for contract award.

1.06 CONTRACT

A. Contract Period

The initial Contract resulting from this proposal will begin commencing upon receipt of signed contract and continuing through project completion.

B. Contract Pricing

Contract pricing resulting from this request must remain firm for the initial contract period. During the contract term, the successful Vendor must pass on to the District all discounts and price reductions made available to other customers using similar services. At no point will the Vendor be allowed to raise cost above the stated contract price. All contract pricing must include freight and all other costs associated with the purchase of these items or services. No additional fees will be allowed.

C. Escalation Clause –Not Applicable

D. Contract Review - Not Applicable

E. Contract Renewal - Not Applicable

F. Contract Assignment

The Contract Vendor shall not assign this contract, in whole or in part, or any monies due or that would become due hereunder, without written consent of the District. If the District consents to the Contract Vendor assigning this contract, in whole or in part, or any monies due or that would become due, the instrument of assignment shall contain a clause that states what the right of assignee is and that any monies due to the Contract Vendor shall be subject to prior liens of all persons, firms and corporations for the services rendered or materials supplied for the performance of this contract.

G. Contract Vendor Performance

The Contract Vendor shall make every reasonable effort to maintain staff to deliver the service purchased by the District. The Contract Vendor shall immediately notify the District in writing whenever it is unable to, or reasonably believes it is going to be unable to, provide the agreed-upon quality and quantity of services. Upon such notification, the District shall determine whether such inability requires a modification or cancelation of the contract.

H. Reimbursement of Liquidated Damages

If the Contract Vendor fails to meet the specifications, terms and conditions in this document, for any reason, the District may deduct as liquidated damages from any money due or coming due to the Vendor the cost of purchase by the District on the open market. Any monies deducted are not to be construed as a penalty, but as liquidated damages to compensate for the additional costs and inconvenience incurred by the District.

I. Vendor Financial Stability

The District may request a copy of the Vendor's financial records prior to contract award or during the Contract period.

J. Contract Reports – Not Applicable

1.07 ADDITIONAL CONTRACT TERMS

A. Insurance and Bonds

Performance Bond: All Vendors entering a contract with the District for \$10,000.00 or more may be required to provide a Performance Bond for 100% of the contract. Performance Bond must be furnished within 10 days of award notice of the contract.

Commercial General Liability Insurance: Vendor will maintain insurance with limits of at least \$1,500,000 each occurrence for commercial general liability including bodily injury, property damage, personal injury, product liability and contractual liability through the effective period of the contract. Policies will name the District as an additional insured on a primary basis with respect to the operations of the Vendor using form CG2026 or its equivalent.

Worker's Compensation Insurance: The Vendor must provide worker's compensation insurance for all its employees and, in case any work is subcontracted, the Vendor will require the subcontractor to provide worker's compensation insurance in accordance with the statutory requirements of the State of Minnesota, including Coverage B, Employer's Liability, at limits not less than \$100,000.00 bodily injury by disease per employee; \$500,000.00 bodily injury by disease aggregate; and \$100,000.00 bodily injury by accident.

Commercial Automobile Liability Insurance: The Vendor will be required to maintain insurance protecting it from bodily injury claims and property damage claims which may arise from operations of vehicles under the

contract whether such operations were by the Vendor, a subcontractor or by anyone directly or indirectly employed under the contract. The minimum insurance amounts will be \$2,000,000.00 per occurrence Combined Single Limit (CSL).

Errors and Omissions (E & O) Insurance: The Vendor may be required to maintain insurance protecting it from claims the Vendor may become legally obligated to pay resulting from any actual or alleged negligent act, error or omission related to the Vendor's professional services required under this contract. The minimum insurance amounts will be:

\$2,000,000.00 per occurrence
\$2,000,000.00 annual aggregate

The Vendor may be required to submit certified financial statements providing evidence the Vendor has adequate assets to cover any applicable E & O policy deductible.

Vendor will notify the District of any changes in insurance coverage or carrier by Vendor or any subcontractor.

B. Access to Records and Audit

Vendor's books, records, documents, and accounting procedures and practices relevant to the contract are subject to examination by the District and either the Legislative or State Auditor, as authorized by Minnesota Statute 16A.055. Such data are also subject to review by the Comptroller General of the United States, or a duly authorized representative, if federal funds are used for any work under the contract. The vendor agrees to maintain such data for a period of 3 years from the date services or payment was last provided or made, or longer if any audit in progress requires a longer retention period.

C. District Support

The Vendor must provide their company contact information for key personnel providing support under this contract in Part 2.

The Contract Vendor must notify the District immediately of any changes in support staff.

D. Permission to Proceed – Not Applicable

E. Independent Contractors

The Vendor or its employees will not be considered employees of the District while engaged in the performance of any services required herein and shall be independent contractors. Any and all claims that may arise under the Workers Compensation Act of Minnesota on behalf of said employees, and any and all claims made by any third party as a consequence of any act of omission on the part of the work or service provided to be rendered herein, shall in no way be the obligation or responsibility of the District.

F. Responsible Contractor

Per Minnesota State Statute 16C.285, the Vendor shall complete the endorsed form verifying compliance with the minimum responsibility requirements in the statute. Refer to Attachment A for signature.

G. Prevailing Wage

1. Because the Contract is being financed in part or in total with state funds, the Contract shall be according to School Board Policy and in accordance with Minnesota Statutes 177.41 through 177.43 regarding Prevailing Wage Rates for Construction Projects.

2. Minnesota Statutes 177.41-44, commonly known as The Little Davis-Bacon Act states "It is in the public interest that public buildings and other public works be constructed and maintained by the best means and highest quality of labor reasonably available, and that persons working on public works be compensated according to the real value of the services they perform. It is, therefore, declared to be the public policy of this State that wages of laborers, workmen, and mechanics engaged in State projects would be comparable to wages paid for similar work in the community as a whole".

3. The Commissioner of Labor and Industry shall determine the prevailing wage rates, prevailing hours of labor, and hourly basic rates of pay for all trades and occupations required in any construction project.

4. Any Contractor or Subcontractor awarded a contract with the School District that has an estimated cost of more than \$2,500 and only one trade or occupation is required to complete it, or a contract with an

estimated cost of more than \$25,000 and more than one trade or occupation is required to complete it, must use the Prevailing Wage Rate to pay their employees. Any Contractor or subcontractor that fails to quotation by the Prevailing Wage Rate requirement of the contract shall pay to the School District as liquidated damages 5% of the contract amount. Further, the State and School District will not be liable for increased labor costs, or errors or changes to the rates or classifications, prior to the awarding contracts.

H. OSHA

All Vendors must comply with OSHA regulations where applicable to this proposal in that the seller warrants that the product sold or service rendered to the buyer shall conform to the standards and/or regulations promulgated by the U.S. Department of Labor under the Occupational Safety and Health Act of 1970 (29V.X.C. 651, PL 91-596).

I. Safety

The Vendor will comply with all state and federal laws as they relate to employee safety.

J. District Policies and Procedures

The Vendor will follow the District's policies and procedures while providing services in the school setting. District policies may be found on the District's website.

K. Security Compliance on District Property

All work performed on District property shall be in compliance with District security policies, e.g., each person who needs to enter a District building shall sign in on the designated visitor log in the building office. The log shall include a date of entry, employee name, contractor name, time entering the building and time leaving the building.

The vendor will keep personnel screening records on file for any personnel under the resulting proposal. This will include records of Criminal Background Screening.

L. Hold Harmless

The Vendor shall indemnify, hold harmless, and defend the District and its employees against any and all liability, loss, costs, damages, expenses, claims, or actions, including attorney fees that the District and its employees may hereafter sustain, incur, or be required to pay, arising out of or by reason of any act or omission of the Vendor or its agents, servants, or employees, in execution, performance, or failure to adequately perform the Vendor's obligations pursuant to this contract. The District shall also be indemnified for any attorney's fees it incurs to enforce this indemnification provision or any other indemnification provision in the contract.

M. Force Majeure

Neither party shall be held responsible for delay, nor could failure, to perform when such delay or failure is due to any of the following unless the act or occurrence could have been foreseen and reasonable action have been taken to prevent the delay or failure:

- Fire, Flood, or Epidemic
- Strikes
- Wars
- Acts of God
- Unusually severe weather
- Acts of public authorities
- Delays of defaults caused by public carriers

Provided the defaulting party to give notice as soon as possible to the other party regarding the inability to perform.

N. Duties to Mitigate

The contract between the District and the successful Vendor shall be governed by the laws of the State of Minnesota. Both parties shall use their best efforts to mitigate any damages that might be suffered by reason of any event giving rise to remedy hereunder. Attorney's fees If suit is brought by either party to this proposal to enforce any of its terms (including all component parts of the Proposal documents), and the District prevails in such suit, the Vendor shall pay all litigation expenses incurred by the District, including attorney's fees, court costs, expert witness fees, and investigation expenses.

O. Discrimination

During the performance of this contract, the Vendor shall not unlawfully discriminate against any employee or applicant for employment because of race, color, creed, religion, gender, national origin, disability, age,

marital status, sexual orientation, or public assistance status. The Vendor will take affirmative action to ensure that applicants are employed and that employees are treated equally during employment, without unlawful discrimination because of their race, color creed, religion, gender, national origin, disability, age, marital status, sexual orientation, or public assistance status. The Vendor shall also comply with any applicable federal or state laws regarding nondiscrimination. The following list includes, but is not meant to limit, laws that may be applicable:

- Minnesota Statute 363A.37
- The Equal Employment Opportunity Act of 1972
- Executive Order 11246
- The Rehabilitation Act of 1973
- The Age Discrimination in Employment Act of 1967
- The Equal Pay Act of 1963
- Minnesota Statute 181.59
- The Job Training Partnership Act of 1982
- OSHA Requirements

P. Infringement on Adjoining Property – Not Applicable

Q. Temporary Facilities – Not Applicable

R. Utility Clearances – Not Applicable

S. Use of the District Facilities

Means of ingress or egress in the District buildings or offices shall not be blocked for any reason or hamper the normal operation of the building in any way unless permission is first obtained from the District. The vendor shall phase the work to ensure minimal disruption to the buildings' operations. Work involving significant amounts of noise, construction debris, etc., shall be performed while classes are not in progress. These times vary by site and should be negotiated in advance with the District Project Manager.

The vendor's materials, tools, supplies, or debris shall not be stored or allowed to accumulate in occupied areas (corridors, classrooms, office areas, etc.). The District assumes no liability or responsibility whatsoever for any damage, destruction, theft, or other acts that may occur to the vendor's materials.

The vendor must propose to the District a definite schedule so the District can arrange for appropriate staffing. Any changes to the schedule must be approved by the District and submitted by the vendor no less than 24 hours before the anticipated change.

T. Cleanup

The vendor shall keep the premises and surrounding area free from accumulation of waste materials or rubbish caused by operations under the contract before final inspection. Surplus materials and all cabling components shall be promptly removed from the site upon completion of the work. In case of undue delay or dispute, the District may remove rubbish, materials, and cabling components, and charge the cost to the vendor, with such action permissible by the District Project Manager 48 hours after a written notice has been transmitted to the vendor. Prior to final acceptance, the vendor shall restore all areas affected by the work to their original state of cleanliness and repair all damage done to the premises, including the grounds, by the vendor's workers and equipment.

U. Special Controls – Not Applicable

V. Publicity and Advertising

Vendor shall not use in its external advertising, marketing programs, or other promotional efforts, any data, pictures or other representation of the District except on the specific, written authorization, in advance, of the Districts Department of Public Relations.

W. Prohibition against conflicts of interest, gratuities, and kickbacks

Any employee or any official of the District, elected or appointed, who shall take, receive, or offer to take or receive, either directly or indirectly, any rebate percentage of contract, money, or other things of value, as an inducement or intended inducement, in the procurement of business, or the giving of business, for, or to or from any person, partnership, firm, or corporation offering, submitting pricing for, or in open market seeking to make sales to the District shall be deemed guilty of a felony and upon conviction such person or persons shall be subject to punishment of a fine in accordance with state and/or federal laws.

X. Damage to District Property

Any damage done to District property by the Contract Vendor's staff or equipment will be repaired at the expense of the Contract Vendor.

Y. Quality of Work

People skilled in work of this type shall execute all work in a thorough, professional manner with the materials specified. All materials at the time of acceptance shall be clean, whole, sound and damaged, in good working order, and ready for use. The Vendor shall patch, clean, and make good all damages resulting from this work at no additional cost to the District.

Z. After hours Costs

Cutovers may take place after hours (at a time to be determined). These costs shall be included in the total price presented in the RFP response.

AA. Third Party Acquisition of Company

The Contractor shall notify the District in writing should the Contractor's business or all its assets be acquired by a third party. The Contractor further agrees that the contract's terms and conditions, including any and all license rights and related services, shall not be affected by the acquisition. Prior to completion of the acquisition, the Contractor shall obtain for the District's benefit and deliver thereto the assignee's agreement to fully honor the terms of the contract.

1.08 ORDERING PROCESS AND PAYMENT

A. Purchase Orders

All orders authorized by the District for merchandise or services are initiated by a duly signed Purchase Order. The Contract Vendor shall not accept orders from the District without the benefit of a Purchase Order.

B. Quantities

The solution must support the district intent as outlined in this solicitation. Appendices have been provided to outline overall scale and scope of district needs and locations.

C. Compliance with Laws and Debarment

The Vendor certifies that all goods or services furnished under this Contract shall comply with all applicable federal, state, and local laws or ordinances, and all applicable rules, regulations, and standards established by any agency of such governmental units, which are now or hereafter promulgated insofar as they relate to the Vendor's performance of the provisions of this Agreement, as well as District policies and procedures, regardless of whether such laws and regulations are specifically set forth in this Contract. It shall be the obligation of the Vendor to apply for, pay for and obtain all permits and/or licenses required by any governmental agency for the provision of those services contemplated herein.

Vendor represents that it is not currently debarred or suspended by any federal agency from doing business with the federal or state government. Vendor shall notify District if it becomes debarred or suspended during the term of this Contract. District may immediately terminate this Contract in the event of such termination or suspension and Vendor shall be responsible for any costs incurred by District in connection therewith.

D. Returns

Should the merchandise be delivered in an unacceptable condition, the District requires the Vendor to provide a return authorization and replacement for the merchandise, in a timely manner, without additional expense to the District.

E. Warranty

The Vendor warrants that the merchandise will conform to the District's description and any applicable specifications shall be of good merchantable quality and fit for the known purpose for which it is sold. This warranty is in addition to any standard warranty or service guarantee given by the Vendor to the District or any warranty provided by law. Vendor shall perform any necessary adjustments and/or service calls necessary for peak performance of specified equipment at no additional cost to the District for the duration of the warranty period.

F. Delivery

All products provided under this proposal shall be delivered, F.O.B. destination – no shipping and handling charges allowed, during District business hours, 7:00 a.m. to 2:00 p.m., Monday through Friday to the District Distribution Center located at 2727 Ferry Street North, Anoka, Minnesota, 55303, unless otherwise noted on the purchase order. Cost of delivery of the product is included in contract prices and delivery shall be made only as called for on duly signed Purchase Orders. The vendor is to assume all responsibility of transport of materials, including shipping schedules, freight charges, shortages, backorders, errors in quantities and/or qualities, damages in transit and any negotiations with freight carriers resulting from these discrepancies. The District will accept no responsibility for any items ordered, until such time as the material(s) specified are delivered, checked, and completely acceptable for use.

The Purchase Order Number must appear on all package-shipping labels. Items delivered in packages, cartons or crates are accepted only with the guarantee that upon the removal from such packaging, they are found to be in first class condition, without any defect, or they must be removed and replaced without additional charge to the District. Cartons not marked may be refused upon arrival or may be returned at the vendor's expense. Drivers must assist in unloading or a delivery may be refused.

G. Contract Vendor Personnel

All Contract Vendor personnel performing work on District property must wear a clearly visible company name badge that is easily recognizable by school/site staff and have a criminal background screening that clearly shows no crimes have been committed against children. The Contract Vendor will keep Employee Screening records on file for any personnel delivering merchandise or performing service under this contract. The District reserves the right to audit these records at any time.

H. Taxes

Minnesota Taxes: Instrumentalities of the State of Minnesota are not subject to the State of Minnesota Sales Tax pursuant to Minnesota Laws of 1967, Extra Session, Chapter 32, Article XIII, Section 25, Subd. 1, Para. (J).

Telecommunication Excise Tax: The district falls under the category of State and Local Governments thus under regulations prescribed by the IRS, no tax shall be imposed under section 4251 upon any payment received for services or facilities furnished to the government of any State, or any political subdivision thereof, or the District of Columbia.

Excise Taxes: Instrumentalities of the State of Minnesota are not subject to Federal Excise Taxes. Individual exemption certificates will be furnished upon request if needed by the successful Vendor to reclaim such charges.

I. Payment

The District will pay undisputed invoices within 35 days of receipt. "Date of Receipt" means the completed delivery of the goods or services or the satisfactory installation, assembly or specified portion thereof, or the receipt of the invoice for the delivery of the goods or services, whichever is later (MN Statute 471.425). Purchasing Department at the Educational Service Center, 2727 North Ferry Street, Anoka, Minnesota, 55303.

The Contractor shall pay all Subcontractors within ten days of the Contractor's receipt of payment from the Owner for services provided by the subcontractor for which the Owner has paid the Contractor. The Contractor is to pay interest of 1-1/2 percent per month or any part of a month to the Subcontractor on any amount not paid on time to the Subcontractor. The minimum monthly interest penalty payment for an unpaid balance of \$100 or more is \$10. For an unpaid balance of less than \$100, the Contractor shall pay the actual penalty due to the Subcontractor. A Subcontractor who prevails in a civil action to collect interest penalties from a Contractor must be awarded its costs and disbursements, including attorney's fees, incurred in bringing the action.

J. Progress Payments

In accordance with Minnesota Statutes 16A.1245, Contractor shall, within 10 days of receipt of a progress payment, pay all Subcontractors and suppliers having an interest in the Contract their pro-rated share of the payment for all undisputed services provided by the Subcontractors and suppliers.

If the Contractor does not pay any Subcontractor or supplier on time, the Contractor must pay interest of 1 1/2 percent per month or any part of a month. The minimum monthly interest payment for an unpaid balance

of \$100.00 or more is \$10.00. For an unpaid balance of less than \$100.00, the Contractor shall pay the actual amount due the Subcontractor. Any Subcontractor who prevails in a civil action to collect interest from a Contractor must be awarded its costs and disbursements, including attorney's fees incurred in bringing the action.

The Contractor may withhold as retainage from the Subcontractor progress payments an amount not to exceed 5 percent of the payment. The Contractor shall reduce or eliminate the retainage for a Subcontractor in the same manner that the Owner reduces or eliminates the retainage for the Contractor.

The enforcement of these conditions shall be the responsibility of the Subcontractor working through the Contractor and the Contractor's surety. To facilitate the resolution of any problems relating to these provisions, the Contractor shall furnish the Subcontractor with the name, address, and telephone number of the Contractor's surety within ten (10) days of the date on which the Contractor signs a Contract with the Owner.

Neither the Owner nor the Architect shall have an obligation to pay or to see to the payment of money to a Subcontractor.

K. Non-Appropriation

The District reasonably believes that budgeted funds will be obtained sufficient to make all payments. Continuation of any agreements beyond June 30th of any year is contingent upon appropriation of budgeted funds for payment of that contract. In the event that adequate funds are not so appropriated, the District shall notify the vendor as soon as possible prior to the necessary cancellation and no penalty in any form shall be levied against the District because cancellation of any part or all of the equipment required by failure of appropriation.

L. Data Privacy

Vendor agrees that any information it creates, collects, receives, stores, uses, or disseminates during the course of its performance, which concerns the personal, financial, or other affairs of the District, its Board, officers, employees or students shall be kept confidential and in conformance with all state and federal laws relating to data privacy, including, without limitation, the Minnesota Government Data Practices Act, Minnesota Statute, Chapter 13. Vendor must comply with any applicable requirements as if it were a governmental entity. The remedies in Minn. Stat. § 13.08 apply to the Contractor. The Vendor will report immediately to the District any requests from third parties for information related to this Contract. The District will respond to such data requests. All subcontracts, if allowed, shall contain the same or similar data practices compliance requirements.

M. Return of Data

Within fifteen (15) days of the completion or earlier termination of this Contract, or upon earlier request of the District, Vendor shall return all documents, data and other information provided by the District to Vendor, or Vendor's employees or agents in connection with this Contract. Additionally, Vendor, upon the request of the District, shall destroy all copies of such District provided data, documents, or information in Vendor's possession or control, and provide District with proof of such destruction.

1.09 JOINT PURCHASING – Not Applicable

1.10 FEDERAL TERMS

In addition to other provisions required by the Federal agency or non-Federal entity, all contracts made by the non-Federal entity under the Federal award must contain provisions covering the following, as applicable. (2 C.F.R. SEC. 200.326; APPENDIX II TO PART 200)

(A) Contracts for more than the simplified acquisition threshold currently set at \$150,000, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 U.S.C. 1908, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.

(B) All contracts in excess of \$10,000 must address termination for cause and for convenience by the non-Federal entity including the manner by which it will be affected and the basis for settlement.

- (C) Equal Employment Opportunity. Except as otherwise provided under 41 CFR Part 60, all contracts that meet the definition of “federally assisted construction contract” in 41 CFR Part 60-1.3 must include the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, “Equal Employment Opportunity” (30 FR 12319, 12935, 3 CFR Part, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, “Amending Executive Order 11246 Relating to Equal Employment Opportunity,” and implementing regulations at 41 CFR part 60, “Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor.”
- (D) Davis-Bacon Act, as amended (40 U.S.C. 3141-3148). When required by Federal program legislation, all prime construction contracts in excess of \$2,000 awarded by non-Federal entities must include a provision for compliance with the Davis-Bacon Act (40 U.S.C. 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29 CFR Part 5, “Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction”). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-Federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency. The contracts must also include a provision for compliance with the Copeland “Anti-Kickback” Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, “Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States”). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency.

PART 2 - DETAILED SPECIFICATIONS

2.01 SUMMARY AND BACKGROUND

The Anoka-Hennepin School District is currently seeking to replace the current local area network (LAN), wide area network (WAN), and wireless local area network (WLAN) that it has in place. It is anticipated that a new solution would add additional functionality and better suit the needs of our organization now and into the future. Anoka Hennepin School district has been using Brocade/Ruckus network switches and Aruba wireless access points since 2014.

The purpose of this Request for Proposal (RFP) is to solicit proposals from various candidate organizations, conduct a fair and extensive evaluation based on criteria listed herein, and select the candidate who best represents goals set forth by the school district.

The District is a large suburban public-school district located approximately 20 miles north of Minneapolis. The district educates approximately 38,000 students located in approximately 45 sites.

2.02 PROPOSAL GUIDELINES

RFPs shall be submitted by tab number as instructed below. Responders must provide the following items as part of their proposal for consideration:

Cover letter that includes the following:

- Bid Form E-Rate 470 number and Vendor SPIN number.
- A brief profile of the company, including a brief history of the business and an organizational structure of business.

Tab 1 - Cost: Responders will be evaluated on the cost of their solution(s) based on the work to be performed in accordance with the scope of this project. This shall include all initial and ongoing costs including any reimbursables. Separately identify any hardware or software costs that provide features and functionality that is above and beyond the listed system requirements.

Tab 2 - Wired Network Features and Functionality: Please describe features and functionality of the proposed wired hardware and software. Include features and functions that provide ease-of-use and time savings for network staff. The district is requesting two wired proposal options based on the following:

- **Wired Option A** - One access switch per closet with 48 multigig access ports.
 - The multigig switch must support 802.3bt Type 3 (60W) on all ports.
 - The multigig switch must be a minimum 1,300W total PoE budget.
- **Wired Option B** - All access switches have 48 multigig access ports.
 - All switches must support 802.3bt Type 3 (60W) on all ports.
 - One switch must be a minimum 1,300W total PoE budget.

Tab 3 - Wireless Network Features and Functionality: Please describe features and functionality of the proposed wireless hardware and software. Include features and functions that provide ease-of-use and time savings for network staff. The District is requesting for two wireless options:

- **Wireless Option A:** Wi-Fi 6E capable WAPs with minimum 2x2:2 MU-MIMO on all radios.
- **Wireless Option B:** Wi-Fi 6E capable WAPs with minimum 4x4:4 MU-MIMO on all radios.

Tab 4- Network Management Tool: The District is seeking a single, unified network management tool to centrally manage, monitor, and maintain both the wired and wireless networks using a single pane of glass.

Tab 5 - Vendor Configuration, Installation Experience & References. The District is looking to award the implementation and configuration of the solution to one vendor. Vendors should have experience with performing multiple wired and wireless projects and network management implementation that is similar to the size and complexity of this project. Vendors should have adequate resources available on their team to successfully perform the work of the project.

Tab 6 - Equipment and Software Warranty and Support. Equipment must be warranted for 5 years and supported for seven years.

2.03 CURRENT NETWORK ENVIRONMENT

Currently the District has switches from Ruckus in all buildings in Appendix A and uses OSPF for routing. Appendix C lists the Ruckus equipment that the district currently has installed. Proposed solutions must be able to integrate with existing data switches during the transition of the installation process.

Traffic across the network and to individual buildings is routed using OSPF. At least one switch at each building has layer three routing capability via OSPF.

The district's current local area and wide area network consist of the following:

- A. Fiber-based 10 gigabit links connecting the five high schools and the District hub located at the Education Service Center (ESC) using Single-mode fiber (SMF). The high schools are connected to the District hub via two point-to-point 10 gigabit SMF fiber links. These links are physically redundant.
- B. At ESC there are two Ruckus 7750 Fiber switches connecting to centralized services, and to the internet. Also located at the ESC are centralized firewall and content filters.
- C. At each of the High Schools there are two Ruckus 6610's connected to the ESC with two redundant point-to-point 10 gigabit SMF fiber links. Besides connecting to the local area network at the high school, the high school core 6610's connect to a number of elementary and middle schools via wide area network SMF fiber links operating at 10 gigabit speed.
- D. Each of the elementary and middle schools has a Ruckus 6610 wide area network switch which connects to either the core Ruckus 6610's at high schools or the Ruckus 7750's at ESC.
- E. Within each building, there are various models of Ruckus switches that make up the local area network. These switches are located in intermediate (IC) and main (MC) wiring closets. The wiring closets are connected at 10 gigabit via single-mode fiber. See Appendix B for a list of data closets and how they are connected.
- F. Traffic across the network and to individual buildings is routed using layer three, using OSPF. The Ruckus 6610 at each building has layer three routing capability.
- G. The District currently uses the Brocade Network Advisor (BNA) for network management platform for the wired network.

The district's current wireless network consists of the following:

- A. The District currently has approximately 3,700 Aruba wireless access points (WAPs). These access points are a mix of different Aruba models. There is a WAP in every classroom, and multiple in larger common areas such as auditoriums and gymnasiums. The District uses Aruba's instant mode.
- B. The District currently uses Aruba Airwave as the network management platform for the wireless network.
- C. The District has a mix of end user devices (Apple (MacOS), Windows, Chromebooks, iPads, etc.).

The rest of this section identifies specific requirements. Vendors must be able to meet the requirements and indicate in the affirmative that they comply with the requirement. Vendors should provide answers to specific questions identified and respond to requests for further description. Lack of a response to a question or additional information requested may impact the evaluation of the vendor's proposal.

2.04 WIRED NETWORK REQUIREMENTS

Note: For each item below, vendors are asked to indicate whether their solution provides the functionality or design requested (Y/N). Additionally, vendors are asked to explain in detail, wherever appropriate, how their solution will satisfy each item. (screenshots are encouraged).

The District requires that the vendors consider the following in proposing a wired network solution:

- A. Maintain the current physical topological structure of the wide area network.
- B. Maintain a layer 3 routing capability at each of the buildings.
- C. The design of the high school WAN aggregation switches should not have any access ports supporting end user devices.
- D. The design of the high school closet aggregation switch should not have any access ports supporting end user devices.
- E. The existing point-to-point links between the high schools and the ESC should be at least 10 gigabit capacity, with the ability to upgrade to 20 gigabit or more by replacing the fiber optic modules or by bonding ports.
- F. The existing point-to-point links between the high schools and their connected hub sites should be at least 10 gigabit capacity, with the ability to upgrade to 20 gigabit or more by replacing the fiber optic modules or by bonding ports.
- G. Be able to support Bonjour protocol and allow for restricting Bonjour traffic within a building. The solution should also allow segmenting of traffic within a building. Explain in detail how the proposed solution addresses this.
- H. Include all necessary stacking cables, licensing, power supplies, fan modules, power cords, and fiber optic modules to provide connectivity to all existing data closets and the wide area network. Appendix B lists all existing fiber connections. (All fans should be front-to-back)
- I. Include software and all necessary licensing to centrally manage, monitor, and maintain the wired network. More details can be found below under the "Network Management Tool" requirement.
- J. 802.1x authentication and the ability to assign devices to specific VLAN or specific services. Explain the capabilities available.
 - o Allow for a strong security authentication solution integrating username/password, Radius server, MAC address, 802.1x, LDAP and Microsoft Active Directory. The District currently uses Microsoft Active Directory for Windows computers, Jamf for Apple macOS & iOS devices, and the Google Management Console for Chromebooks. Describe how your solution provides a strong authentication capability for each device type and management tool.
- K. Access Switches - The wireless network will support multigig connections.
- L. Vendors must provide access switches that are AC powered and fit in an industry standard 19" rack.
- M. Access switches must be stackable, 1U in size, and manageable via a single IP address. The appropriate number of stacking cables must be included.
- N. Core switches and aggregation must be AC powered with dual power supplies. The switches must be installed as redundant pairs and provide automatic failover in the event of one switch failing. A device with a connection to both switches must maintain connectivity if one switch in the pair fails.
- O. The routing switches in the MC at each site must be AC powered with dual power supplies.
- P. Age of Equipment: Equipment shall be new and unused with full manufacturer's warranties. Vendor shall supplement such warranties as required by the specification. Vendor shall immediately notify the District of any product that will be or is expected to be discontinued by the end of the project for resolution.
- Q. Work with the owner to ensure the proper QOS configurations are implemented.

As part of your response, please describe your overall design objectives and assumptions in developing the solution.

2.05 WIRELESS NETWORK DESIGN REQUIREMENTS

Note: For each item below, vendors are asked to indicate whether their solution provides the functionality or design requested (Y/N). Additionally, vendors are asked to explain in detail, wherever appropriate, how their solution will satisfy each item. (screenshots are encouraged)

The District is looking to replace and upgrade its existing wireless network equipment in buildings listed in Appendix A. The District currently uses different models of Aruba access points.

The District is looking for proposals from vendors for wireless access points. The District is not looking for any cabling installation as part of this procurement. The District will need the access points installed as part of this project.

The District requires that the vendors consider the following in proposing a wireless network solution:

- A. Must support Wi-Fi 6 (2.4Ghz and 5Ghz) and Wi-Fi 6E (6 GHz), 802.11ax
- B. Must be capable of being connected to the ethernet network at 2.5 gbps minimum.
- C. The wireless network should be able to simultaneously support multiple types of network (e.g. internal, student, guest, etc.) on multiple separate SSIDs, each having a different level of security requirement. The final design will need to be developed in collaboration with District staff.
- D. The network should be designed to support guest users on a separate network allowing access only to the internet preventing guest users from accessing internal resources. Vendors should describe how this would be implemented and if any additional devices would be needed in the DMZ to support this, and any additional software or licensing that may be required.
- E. Design must allow roaming within a building.
- F. Design to support multicast across wireless/wired network and support Bonjour protocol intelligently across wired/wireless network in each building to avoid unneeded broadcast storm and traffic. It should allow appropriate groupings of end users to network resources (e.g. printers, Apple TV, etc.). The solution must be able to isolate one physical building's wired & wireless Bonjour traffic so that Bonjour broadcasts from other physical buildings cannot be seen. Explain how your solution supports this requirement.
- G. Solution must detect when an AP fails or encounters RF interference and automatically adjust the power and channel of neighboring AP's to mitigate the loss of the troubled AP. Describe how this process works and what the end user experience would be in this situation. Describe how the solution accomplishes this.
- H. Voice and Video applications will need to be supported by the wireless deployment, so multicast delivery to the AP edge combined with stream prioritization and resource reservation is needed.
- I. The submitted design should avoid any single point of failure. Explain how this is accomplished.
- J. Must support pre-shared keys.
- K. Internal antennas are desired. Vendors should supply a cost for external directional antennas if required by their solution.
- L. WAPs must be supportable using PoE+ switches over Category 5e cable.
- M. WAPs must have built in RF spectrum analysis without requiring dedicated WAPs for RF spectrum analysis.
- N. All mounting hardware needed to install WAPs either under a false ceiling or on walls must be provided.
- O. Included in our total WAP quantity, 60 access points are currently mounted vertically with external antennas. If a different model is a better option for this mounting style, please specify this on the cost Table 2A and 2B.
- P. Age of Equipment: Equipment shall be new and unused with full manufacturer's warranties. Contractor shall supplement such warranties as required by the specification. Vendor shall immediately notify the District of any product that will be or is expected to be discontinued by the end of the project for resolution.

2.06 NETWORK MANAGEMENT TOOL REQUIREMENTS

Note: For each item below, vendors are asked to indicate whether their solution provides the functionality or design requested (Y/N). Additionally, vendors are asked to explain in detail, wherever appropriate, how their solution will satisfy each item. (screenshots are encouraged)

Vendors must include in their proposal a single, unified network management tool where the District can centrally manage, monitor, and maintain both the wired and wireless networks using a single pane of glass. Access to the tool should be available to authorized users from any point on the network. The user interface and the commands used to configure, administer and manage the switches and wireless access points should be consistent across all devices. Explain how the platform addresses the following.

- A. The ability to determine who (users) and what (traffic/application) is using the network.
- B. How is the network being used - statistics showing usage now, near past, and historical. Describe how long this data is stored for.
- C. Available capabilities to manage network components and devices on the network.
- D. Collecting and maintaining network inventory.
- E. Maintaining backups of switch and AP configurations at all locations.
- F. Ability to capture packets remotely to assist in troubleshooting.
- G. Ability to upgrade software and firmware, as well as revert upgrades, all with minimal impact to service.
- H. The tool must use AI (Artificial Intelligence) to assist in monitoring and troubleshooting user issues.
- I. The ability to collect diagnostic information for technical support.
- J. The ability to define policy and have the network enforce policy.
- K. The ability to import floor plan drawings and overlay network device locations.
- L. Display heat maps - real time signal strength and coverage provided by the wireless network.
- M. To automatically configure end user devices and appropriate network resource access by utilizing 802.1x
 - a. Allow for a strong security authentication solution integrating username/password, Radius server, MAC address, 802.1x, LDAP and Microsoft Active Directory. The District currently uses Microsoft Active Directory. Describe how your solution provides a strong authentication capability.
- N. Wireless access must continue to function normally if communication with centralized management is not available.
- O. The ability to make global configuration changes.
- P. Allow for dynamic power level adjustment for wireless access point radios.
- Q. Prioritize alerts on severity defined by the user and notify users as defined.
- R. Describe the included standard reports and ability to develop reports through an easy graphical user interface.
- S. Describe in detail the design and functionality of your wired and wireless management tool, and which components reside on the district premises versus in the cloud.
- T. Describe in detail the included Network Access Control solution.

2.07 VENDOR CONFIGURATION, INSTALLATION EXPERIENCE AND REFERENCES

- A. As part of their response, vendors should include implementation services.
- B. Upon contract award, meet with District staff and finalize a network design (including VLAN design), configuration, and implementation plan.
- C. Document and review with District staff individual building and network design configurations including IP addressing, equipment and patch cable types and quantities, and cutover plans.
- D. If a new network management tool is proposed, the vendor must include installation, configuration, and testing of the centralized management platform hardware and software.
- E. Install, configure, and test all wired and wireless network equipment according to an agreed upon schedule. Configuration will include port descriptions on all ports. Identify the installation costs for wired network switches and wireless access points separately.
- F. Some access points at each location will require a lift to reach for installation. Lifts must be provided by the vendor. Vendor must coordinate with District staff in order to prevent floor damage in gymnasiums. The quantity of access points can vary from 3 at a smaller site, up to 25 at a high school.
- G. It is desirable that equipment be delivered to the District and that software configuration and unit testing be done on the District premises. Any cost associated with this should be identified in part 3 tab 1.
- H. District will develop an implementation schedule based on input from school administration and technology staff. This will be shared and agreed upon with the successful vendor. Any changes to the schedule must be approved by the District and submitted no less than 24 hours before the anticipated change. The installation will occur during the school year and after school hours.
- I. Provide a minimum of 16 hours of on-site training to transfer knowledge of the overall network switch and access point configurations as implemented, network management tools, backup procedures, and review of documentation provided.
- J. Provide a set of documentation packages that include diagrams of LAN and WAN as implemented, configurations of switch ports and VLANs (e.g. in a spreadsheet format), narrative of network management tools and scripts implemented, training materials, and standard set of documentation for each model of equipment installed.
- K. The District plans to re-use existing racks and cabinets and as such services must include removing of existing equipment, boxing it, and moving it to a central location.
- L. Vendor Requirements
 - a. For any items/systems/alternates accepted by the District and made part of the contract, the Vendor shall provide a turnkey solution including but not limited to delivery, installation, configuration, testing, training, cutover, and post cutover support.
 - b. Vendor and/or its subcontractors are fully authorized/certified to supply, upgrade, install, configure, provide warranty service, and troubleshoot/support the proposed equipment.
 - c. The Vendor shall provide manufacturer trained and certified personnel who specialize in deployment of all items/systems/alternates included in this project.
 - d. The personnel listed in the RFP shall be the personnel assigned to this project. If changes are required, the Vendor shall gain written approval from the District's project manager prior to assignment of substitutes.
 - e. The Vendor shall provide sufficient personnel to perform all required tasks and should not assume or rely on assistance from District personnel in order to complete the project. The District will provide staff during each cut-over to allow access to the building and the data closets.
 - f. Removal and proper disposal of all existing LAN, WLAN, and wireless equipment.
- M. Project Manager
 - a. The Vendor shall appoint a single project manager who shall be the main point of contact regarding the project for the District. The project manager is responsible for the following:
 - i. Developing a project schedule that identifies in detail the tasks and timelines that the District and Vendor must perform and/or be responsible for in order to accomplish the delivery, installation, and cutover of the system.
 - ii. Guaranteeing the work and performance of all employees and subcontractors who have been hired by the Vendor.
 - iii. Coordination of all sub-contractor work and schedules.
 - iv. Verifying all equipment and device locations with the District's project manager prior to installation.

- v. Completing and submitting all required documentation.
- vi. Attending all project coordination and/or construction meetings as required by the District, plus chairing a weekly project status meeting throughout the duration of the project.
- vii. Maintaining the project status meeting minutes and distributing them to all participants within two days following the meeting.
- viii. Informing the District of all unexpected conditions and problems that may result in delay or expense. The Vendor must report issues immediately upon discovery and must provide the District with the option(s) for resolving them.
- ix. Detailed scheduling and coordination of all system and subsystem cutovers.
- x. Scheduling of all training sessions.
- xi. Coordinating LAN and connectivity work with the District IT representative.
- xii. If the Vendor seeks to change the project manager during the course of the project, such change is subject to prior written approval from the District.
- xiii. The District reserves the right to request a new project manager during the course of the project if the project manager does not perform to the District's satisfaction.

2.08 EQUIPMENT AND SOFTWARE WARRANTY AND SUPPORT REQUIREMENTS

Vendors must, at a minimum, indicate that the equipment proposed will be supported for seven years. The District is requesting that the vendors include wired and wireless warranty and support pricing with the following requirements:

- A. Five years of 24x7 warranty and support on all proposed hardware and software. Support should begin on the date of delivery.
- B. Include two-hour response and next business day hardware replacement for all core switches. See Appendix B for a detailed list of core switches.
- C. Must have the ability to contact the manufacturer technical assistance center 24x7 and open a support ticket with configuration or performance issues on any device in the district.
- D. Must have the ability to download new firmware for the life of the device for all devices proposed.
- E. Registration: Contract Vendor shall register Warranty papers for all equipment and software in the name of the Owner and furnish reproductions of all equipment Warranty papers to the Owner with the Final Submittals.
- F. Subcontracting: Warranty service work may not be subcontracted except with specific permission and approval by the Owner.
 - a. Service/Warranty Procedures: Contract Vendor shall submit a warranty service plan containing all contact information and Owner service call directions for Owner review with project close-out submittals.

2.09 CLIENT REFERENCES

Vendors must provide a minimum of three client references where the vendor has implemented equipment similar to that proposed in this RFP. In addition, vendors must also provide a minimum of three manufacturer references of similar scope and size, preferably in a K-12 educational environment.

Client references must include the following:

- A. Name, Organization, Address, Telephone Number, E-Mail Address
- B. Manufacturer and model number of systems installed at client referenced
- C. Date of installation/cut-over
- D. Description of the project - size, scope, and complexity.

The District evaluation team will make all reasonable attempts to reach the specified references. In the event references do not call back, the evaluation process will consider it a no reference.

Vendors must be able to demonstrate, if requested, performance of the equipment proposed by installing a test environment at District's location.

2.10 MANUFACTURER AND SUBCONTRACTORS

Vendors must include their relationship (i.e., distributor, branch, partner, etc.) with the manufacturer for all of the components being proposed. Vendors must specify if any portion of the work is to be subcontracted, and the name of the subcontractor must be provided. In any event, the vendor shall remain fully responsible to the District for performance of all items under the contract.

2.11 EQUIPMENT DISPOSAL

Vendors responding will be required to remove and dispose of all existing wired and wireless network equipment being replaced. See Appendix C for a list of existing equipment.

2.12 TRAINING RESOURCES

The District requires that the equipment vendor includes the cost of training credits to manufacturer certified training classes for the network management solution and wired and wireless systems for five District staff, 80 hours of training per person.

2.13 OPTIONAL MANAGEMENT AND ADMINISTRATION CAPABILITIES

As part of this section, vendors may propose optional items with features and functions that have not been specifically requested but in the vendor's, assessment may be of interest and desirable for the District to evaluate and consider. Cost for these items should be identified in the Optional Items Cost Sheet.

2.14 REQUEST FOR PROPOSAL AND PROJECT TIMELINE

Description	Date
Proposal issued	Thursday, January 6, 2022
Closing date for vendor questions	Monday, January 17, 2022
Responses issued to vendor questions	Friday, January 21, 2022
Proposal opening	Friday, February 4, 2022 at 2:00 PM Local Time
School Board Meeting (Tentative)	Monday, February 28, 2022

2.15 PROPOSAL EVALUATION CRITERIA

The District will evaluate all proposals based on the following criteria. To ensure consideration for this Request for Proposal, your proposal should be complete and include all of the following criteria:

Tab 1 - Cost: Responders will be evaluated on the cost of their solution(s) based on the equipment specified and implementation work to be performed in accordance with the scope of this project.	400
Tab 2 - Wired Network Features and Functionality: Proposed solutions response to value added items above and beyond the minimum requirements.	100
Tab 3 - Wireless Network Features and Functionality: Proposed solutions response to value added items above and beyond the minimum requirements.	100
Tab 4 - Network Management Tool: Features and functionality of the proposed network management tool.	150
Tab 5 - Vendor Configuration, Installation Experience & References: Responders will be evaluated on their experience as it pertains to the scope of this project.	150
Tab 6 - Equipment and Software Warranty and Support: Responders will be evaluated on the proposed warranty and the manufacturer's ability to support their equipment.	100

2.16 PUBLIC INFORMATION

Data submitted by a business to the District in response to a Request for Proposals are private or nonpublic until the responses are opened. Once the responses are opened, the name of the responder is read and becomes public. All other data in a responder's response to a Request for Proposals are private or nonpublic data until completion of the evaluation process. "Completion of the evaluation process" means that the District has completed negotiating the contract with the selected vendor. After the District has completed the evaluation process, all remaining data submitted by all responders are public with the exception of trade secret data as defined and classified in Minn. Stat. § 13.37. A statement by a responder that submitted data are copyrighted or otherwise protected does not prevent public access to the data contained in the response. Proposals submitted in response to an RFP become the property of the District and will not be returned.

If all responses to a Request for Proposals are rejected prior to the completion of the evaluation process, all data, other than that made public at the response opening, remain private or nonpublic until a re-issuance of the Request for Proposals results in completion of the evaluation process or a determination is made to abandon the purchase. If the rejection occurs after the completion of the evaluation process, the data remains public. If a re-issuance of an RFP does not occur within one year of the proposal opening date, the remaining data become public.

2.17 PROMPT PAYMENT DISCOUNT

Prompt Payment Discount If Offered (i.e. 2% 10, net 30) Indicate prompt payment discount _____

2.18 ALTERNATE PAYMENT OPTIONS

Will your company accept payment by credit card (P-Card) at no additional cost to the District?

Yes ___ No ___

2.19 VENDOR REPRESENTATIVES

The Vendor must provide a dedicated sales representative, customer service representative, accounts receivable representative, and escalation contact to assure continuity of service and success of the contract. The Contract Vendor must notify the district immediately of any changes in support staff.

	Name	Email	Phone
SALES REPRESENTATIVE:	_____	_____	_____
CUSTOMER SERVICE REP:	_____	_____	_____
ACCTS. RECEIVABLE REP:	_____	_____	_____
ESCALATION CONTACT:	_____	_____	_____

PART 3 – ACCEPTANCE & PROPOSAL SUBMISSION

I, the undersigned, hereby certify that I am a duly authorized agent of _____ to submit this proposal for consideration and acknowledge that all 63 pages of the **22013P Wired and Wireless Network Infrastructure** have been received and agree to the terms contained therein.

SIGNED: _____

NAME: _____
(Type or print)

TITLE: _____

VENDOR NAME: _____

ADDRESS: _____

E-MAIL: _____

PHONE: _____

ADDENDA

Receipt of the following Addenda to the proposal documents and their costs being incorporated in the proposal is acknowledged:

Addendum No. _____	Date _____
Addendum No. _____	Date _____
Addendum No. _____	Date _____

A COMPLETE PROPOSAL SUBMISSION MUST INCLUDE THE FOLLOWING

- ___ One (1) bound original, and one (1) loose-leaf copy of the Proposal
(Part 1, Section 1.04 A)

- ___ Proposal Security (Part 1, Section 1.04 L)

- ___ Proposal Form & Any TAB Section Attachments (Part 2)

- ___ Signed Acceptance (Part 3)

- ___ Affidavit of Non-Collusion and Responsible Contractors Act (Attachment A)

- ___ Flash drive (All proposal documents must be submitted on a flash drive.)

ATTACHMENT A

AFFIDAVIT OF NON-COLLUSION

I hereby swear (or affirm) under the penalty of perjury:

That I am the Vendor (if the Vendor is an individual), a partner in the company (if the Vendor is a partnership), or an officer or employee of the responding corporation having authority to sign on its behalf (if the Vendor is a corporation);

That the attached response has been arrived at by the Vendor independently and has been submitted without collusion with and without any agreement, understanding or planned common course of action with any other Vendor designed to limit fair or open competition.

That the contents of the Request for Proposal response have not been communicated by the Vendor or its employees or agents to any person not an employee or agent of the Vendor and will not be communicated to any such persons prior to the official opening of the Proposal; and

I certify that the statements in this affidavit are true and accurate.

Authorized Signature: _____

Date: _____

Firm Name: _____

RESPONSIBLE CONTRACTOR ACT

- a. Sworn Statement: I am the Owner or Officer (as defined by Minnesota Statutes 16C.285) of the prime contractor. And as the prime contractor, responding to this solicitation is in compliance with each of the minimum criteria in subdivision 3 of Minnesota Statute 16C.285 at the time of submittal of this bid form.
- b. Prime Contractor Company: _____
- c. Owner or Officer Signature: _____
- d. Owner or Officer Printed Name: _____
- e. Date: _____

TAB 1 – Cost Sheets

As requested in Part 2.02 tab 1, respondents will be evaluated on the cost of their solution(s) based on the work to be performed in accordance with the scope of this project. **Total solution costs must include all initial and ongoing costs including any reimbursables pursuant to that solution.** Any additional; costs not included and part of the overall project will be the vendor responsibility. The District is looking to purchase all new equipment and will not be reusing any existing equipment listed on the cost sheet below.

Vendors must complete the tables below including all quantity, unit cost and extended cost information. Any assumption in developing costs should be clearly documented. Vendors should note that the District is sales tax exempt.

The District will determine the final quantities needed after the network design is completed.

TABLE 1A – WIRED EQUIPMENT COST

Wired Option A - One access switch per closet with 48 multigig access ports.

- The multigig switch must support 802.3bt Type 3 (60W) on all ports.
- The multigig switch must be a minimum 1,300W total PoE budget.

Part# or Equivalent	Description 0	Quantity	Unit Cost	Extended Cost
Aruba JL665A 6300F or equivalent	Access Switches w/PoE +			
	Additional Access Switches	60		
Aruba JL659A 6300M or equivalent	Access Switches w/PoE + & Multigig - 1 per closet			
Aruba JL659A 6300M or equivalent	Routing Switches - One at each site - Dual Power Supplies			
	Additional Routing Switches	5		
Aruba JL624A 8325-48Y8C FtoB Bundle or equivalent	Core and HS Aggregation Fiber Switches - 1Gb/10Gb/25Gb SFP			
	Additional Fiber Switch	1		
Aruba JL659A 6300M or equivalent	Server Switches 48 port - 100M/1G/2.5G/5G BaseT	2		
	Additional Server Switch	1		
Aruba JL700A 8360-32Y4C FtoB Bundle or equivalent	Server Switches at least 32 ports - 1Gb/10Gb/25Gb SFP	4		
	Additional Server Switch	1		

	Network Management including server			
	SFPs			
	Single Mode 10 G - LR			
	Single Mode 10 G - ER			
	Stacking Cables			
	Implementation Services			
	Removal and proper disposal of existing data network electronics.			
	Training Resources			
	Any additional Components needed to fulfill the solution (provide separate itemized list with unit prices, quantities and extended costs)			
	5 Year Support			
Total Solution Costs 1A		\$		

Note: Proposer must provide a detailed equipment list with part numbers.

TABLE 1B –WIRED EQUIPMENT COST

Wired Option B - All access switches have 48 multigig access ports.

- All switches must support 802.3bt Type 3 (60W) on all ports.
- One switch must be a minimum 1,300W total PoE budget.

Part# or Equivalent	Description	Qty	Unit Cost	Extended Cost
Aruba JL659A 6300M or equivalent	Access Switches w/PoE + + & Multigig			
	Additional Access Switches	60		
Aruba JL659A 6300M or equivalent	Routing Switches - One at each site - Dual Power Supplies			
	Additional Routing Switches	5		
Aruba JL624A 8325-48Y8C FtoB Bundle or equivalent	Core and HS Aggregation Fiber Switches - 1Gb/10Gb/25Gb SFP			
	Additional Fiber Switch	1		
Aruba JL659A 6300M or equivalent	Server Switches 48 port - 100M/1G/2.5G/5G BaseT	2		
	Additional Server Switch	1		
Aruba JL700A 8360-32Y4C FtoB Bundle or equivalent	Server Switches at least 32 ports - 1Gb/10Gb/25Gb SFP	4		
	Additional Server Switch	1		
	Network Management including server			
	SFPs			
	Single Mode 10 G - LR			
	Single Mode 10 G - ER			
	Stacking Cables			
	Implementation Services			
	Removal and proper disposal of existing data network electronics.			
	Training Resources			

	Any additional Components needed to fulfill the solution (provide separate itemized list with unit prices)			
	5 Year Support			
Total Solution Costs 1B				

Note: Proposer must provide a detailed equipment list with part numbers.

TABLE 2A – WIRELESS NETWORK COST - WIRELESS OPTION A
Wi-Fi 6E capable with minimum 2x2:2 MU-MIMO on all radios

Part# or Equivalent (Note 1)	Equipment Description	Quantity	Unit Cost	Extended Cost
Aruba IAP-635 or equivalent	Wireless Access Points	3,550		
	Additional AP's	100		
Aruba IAP-534 or equivalent	Vertical Mounted Access Points with Antennas if needed	57		
	Additional AP's	5		
	Management Platform			
	Training Resources			
	Implementation Services			
	Removal and proper disposal of existing wireless access points.			
	Any additional Components needed to fulfill the solution (provide separate itemized list with unit prices)			
	5 Year Support			
Total Solution Costs 2A				

Note: Proposer must provide a detailed equipment list with part numbers.

TABLE 2B – WIRELESS NETWORK COST - WIRELESS OPTION B
Wi-Fi 6E capable with minimum 4x4:4 MU-MIMO on all radios

Juniper AP45 or equivalent	Wireless Access Points	3,607		
	Additional AP's	105		
	Management Platform			
	Training Resources			
	Implementation Services			
	Any additional Components needed to fulfill the solution (provide separate itemized list with unit prices)			
	Removal and proper disposal of existing wireless access points.			
	5 Year Support			
Total Solution Costs 2B				

Note: Proposer must provide a detailed equipment list with part numbers.

TAB 2 - Wired Network Features and Functionality

Please describe features and functionality of the proposed wired hardware and software. Include features and functions that provide ease-of-use and time savings for network staff.

The following must be included as part of tab 2 along with the table below:

- a. Product/System Brochures and Specifications
 - i. Local Area Network
- b. Diagrams for each building and components in each data closet.
- c. Should any Vendor wish to submit supplemental data with its response, they shall include said material behind this tab.

WIRED NETWORK DESIGN REQUIREMENTS

Indicate below whether your solution provides the functionality or design requested in Section 2.04 and explain in detail how your solution will satisfy each requirement.

PROPOSED WIRED NETWORK SOLUTION WILL:		PROVIDES FUNCTIONALITY AND/OR DESIGN (Y/N)	PROVIDE DETAILS (If needed, attach additional sheets referencing Tab 2 and the line identifier)
A	Maintain the current physical topological structure of the wide area network.		
B	Maintain a layer 3 routing capability at each of the buildings.		
C	The design of the high school WAN aggregation switches should not have any access ports supporting end user devices.		
D	The design of the high school closet aggregation switch should not have any access ports supporting end user devices.		
E	The existing point-to-point links between the high schools and the ESC should be at least 10 gigabit capacity, with the ability to upgrade to 20 gigabit or more by replacing the fiber optic modules or by bonding ports.		

F	The existing point-to-point links between the high schools and their connected hub sites should be at least 10 gigabit capacity, with the ability to upgrade to 20 gigabit or more by replacing the fiber optic modules or by bonding ports.		
G	Be able to support Bonjour protocol and allow for restricting Bonjour traffic within a building. The solution should also allow segmenting of traffic within a building. Explain in detail how the proposed solution addresses this.		
H.	Include all necessary stacking cables, licensing, power supplies, fan modules, power cords, and fiber optic modules to provide connectivity to all existing data closets and the wide area network. (All fans should be front-to-back)		
I	Include software and all necessary licensing to centrally manage, monitor, and maintain the wired network. More details can be found below under the "Network Management Tool" requirement.		
J	802.1x authentication and the ability to assign devices to specific VLAN or specific services. Explain the capabilities available.		
K	Access Switches - Vendors should propose two options.		
L	Vendors must provide access switches that are AC powered and fit in an industry standard 19" rack and should include any mounting hardware required.		
M	Access switches must be stackable, 1U in size, and manageable via a single IP address. The appropriate number of stacking cables must be included.		
N	Core switches and aggregation switches must be AC powered with dual power supplies. The switches must be installed as redundant pairs and provide automatic failover in the event of one switch failing. A device with a connection to both switches must maintain connectivity if one switch in the pair fails.		
O	The routing switches in the MC at each site must be AC powered with dual power supplies		

P	Age of Equipment: Equipment shall be new and unused with full manufacturer's warranties. Vendor shall supplement such warranties as required by the specification. Vendor shall immediately notify the District of any product that will be or is expected to be discontinued by the end of the project for resolution.		
Q	Work with the owner to ensure the proper QOS configurations are implemented.		

TAB 3 - Wireless Network Features and Functionality:

Please describe features and functionality of the proposed wireless hardware and software that is above and beyond the listed system requirements. Include features and functions that provide ease-of-use and time savings for network staff.

The following must be included with tab 3 along with the table below:

- a. Product/System Brochures and Specifications
 - i. Wireless Local Area Network
- b. Include the number of wireless access points per data closet.
- c. Should any Vendor wish to submit supplemental data with its response, they shall include said material behind this tab

WIRELESS NETWORK DESIGN REQUIREMENTS

Indicate below whether your solution provides the functionality or design requested in Section 2.05 and explain in detail how your solution will satisfy each requirement.

PROPOSED WIRED NETWORK SOLUTION WILL:		PROVIDES FUNCTIONALITY AND/OR DESIGN (Y/N)	PROVIDE DETAILS (If needed, attach additional sheets referencing Tab 3 and the line identifier)
A	Must support Wi-Fi 6 (2.4Ghz and 5Ghz) and Wi-Fi 6E (6 GHz), 802.11ax.		
B	Must be capable of being connected to the ethernet network at 2.5 gigabit minimum.		
C	The wireless network should be able to simultaneously support multiple network types (e.g. internal, student, guest, etc.) on multiple separate SSIDs, each having a different level of security requirement. The final design will need to be developed in collaboration with District staff.		
D	The network should be designed to support guest users on a separate network allowing access only to the internet preventing guest users from accessing internal resources. Vendors should describe how this would be implemented and if any additional devices would be needed in the DMZ to support this, and any additional software or licensing that may be required.		

E	Design must allow roaming within a building.		
F	Design to support multicast across wireless/wired network and support Bonjour protocol intelligently across wired\wireless network in each building so as to avoid unneeded broadcast storms and traffic. It should allow appropriate groupings of end users to network resources (e.g. printers, Apple TV, etc.). The solution must be able to isolate one physical building's wired & wireless Bonjour traffic so that Bonjour broadcasts from other physical buildings cannot be seen. Explain how your solution supports this requirement.		
G	Solution must detect when an AP fails or encounters RF interference and automatically adjust the power and channel of neighboring AP's to mitigate the loss of the troubled AP. Describe how this process works and what the end user experience would be in this situation. Describe how the solution accomplishes this.		
H.	Voice and Video applications will need to be supported by the wireless deployment, so multicast delivery to the AP edge combined with stream prioritization and resource reservation is needed.		
I	The submitted design should avoid any single point of failure. Explain how this is accomplished.		
J	Must support multiple pre-shared keys.		
K	Internal antennas are desired. Vendors should supply a cost for external directional antennas if required by their solution.		
L	WAPs must be supportable using PoE+ switches over Category 5e cable.		
M	WAPs must have built in RF spectrum analysis without requiring dedicated WAPs for RF spectrum analysis.		

N	All mounting hardware needed to install WAPs either under a false ceiling or on walls must be provided.		
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TAB 4 – Network Management Tool:

Please describe the features and functionality of the network management tool.

Describe the capabilities of the solution being proposed and explain how the platform addresses the following. Use additional sheets for your response, referencing Network Management Tool and the corresponding letter.

PROPOSED WIRED NETWORK SOLUTION WILL:		PROVIDES FUNCTIONALITY AND/OR DESIGN (Y/N)	PROVIDE DETAILS (If needed, attach additional sheets referencing Tab 4 and the line identifier)
A	The ability to determine who (users) and what (traffic/application) is using the network.		
B	How is the network being used - statistics showing usage now, near past, and historical. Describe how long this data is stored for.		
C	Available capabilities to manage network components and devices on the network.		
D	Collecting and maintaining network inventory.		
E	Maintaining backups of switch and AP configurations at all locations.		
F	Ability to capture packets remotely to assist in troubleshooting.		
G	Ability to upgrade software and firmware, as well as revert upgrades, all with minimal impact to service.		
H	The tool must use AI (Artificial Intelligence) to assist in monitoring and troubleshooting user issues.		
I	The ability to collect diagnostic information for technical support.		

J	The ability to define policy and have the network enforce policy.		
K	The ability to import floor plan drawings and overlay network device locations.		
L	Display heat maps - real time signal strength and coverage provided by the wireless network.		
M	To automatically configure end user devices and appropriate network resource access by utilizing 802.1x. Describe how your solution provides a strong authentication capability.		
N	Wireless access must continue to function normally if communication with centralized management is not available.		
O	The ability to make global configuration changes		
P	Allow for dynamic power level adjustment for wireless access point radios.		
Q	Prioritize alerts on severity defined by the user and notify users as defined.		
R	Describe the included standard reports and ability to develop reports through an easy graphical user interface.		
S	Describe in detail the design and functionality of your wired and wireless management tool, and which components reside on the district premises versus in the cloud.		
T	Describe in detail the included Network Access Control solution		

TAB 5 – Vendor Configuration, Installation Experience & References

Vendor Configuration, Installation Experience & References	Please confirm you have included this item in your response (Y/N)	PROVIDE DETAILS (If needed, attach additional sheets referencing Tab 5 and the line identifier)
<p>A Vendor and/or its subcontractors are fully authorized/certified to supply, upgrade, install, configure, provide warranty service, and troubleshoot/support the proposed equipment.</p>		
<p>B The Vendor shall provide manufacturer trained and certified personnel who specialize in deployment of all items/systems/alternates included in this project.</p>		
<p>C Describe three or more past wired installations, including the size and complexity of each.</p>		
<p>D Describe three or more past wireless installations, including the size and complexity of each.</p>		
<p>D Describe three or more past Network Management Solution Implementations, including the size and complexity of each.</p>		
<p>F Describe the resources available to troubleshoot and support the network post-installation including:</p> <ul style="list-style-type: none"> ● The number of engineers certified to support the equipment. ● Where the engineers are geographically located. 		
<p>G The overall qualifications of the vendor to provide the services requested.</p>		
<p>H Project and Maintenance Team.</p> <ul style="list-style-type: none"> ● Detailed information and resume on proposed project manager for the project. ● Provide names, titles, bios and training certificates of installation project team members. 		

	<ul style="list-style-type: none"> • Provide names, titles, bios, and training certificates of service personnel who shall be assigned to the District post-installation. • Technical summary of the system proposed, including details about any alternate bids over and above the base requirements listed herein. • Detailed proposed project schedule • Detailed cut-over or upgrade plan with expected system downtime, proposed methods, previous cut-over/upgrade experience and proposed installation methodology. 		
I	Acceptance Testing Methodology - Please explain in full detail your testing procedures		
J	Respondent and Subcontractor Qualifications and certifications.		
K	Detail of the precise tasks and responsibilities required of the District and the District's IT Department to fulfill the requirements of this RFP.		

TAB 6 – Equipment and Software Warranty and Support

Equipment and Software Warranty and Support. Please provide the following:		Please confirm you have included this item in your response (Y/N)	PROVIDE DETAILS (Attach additional sheets referencing Tab 6 and the line identifier)
A	Will the equipment proposed be supported for seven years?		
B	Does the equipment proposed have five years of 24x7 warranty and support on all proposed hardware and software.		
C	Specify whether lifetime hardware warranty is included. If so, please clearly identify what software support (none, bug fixes only, upgrades), and technical support center access (none, business hours, 24x7) is provided as part of lifetime warranty.		
D	Clearly identify what software support (none, bug fixes only, upgrades), and technical support center access (none, business hours, 24x7) is provided as part of the manufacturer warranty and support.		
E	Provide detail on the geographic location of technical support center(s) that the District support requests would be routed to from 7am - 4pm Central Time on business days.		
F	Manufacturer References: Please give references of three or more school districts of similar or larger size currently using the same or similar equipment proposed.		
G	Certifications and/or letter from LAN and wireless LAN manufacturer(s) that the vendor is an authorized reseller, installer, and maintenance provider.		
H	Provide letters from the Vendor and Subcontractors guaranteeing maintenance support of the proposed system(s) for a period of five years from final completion/acceptance.		

APPENDIX A – List of Buildings

Sites	Addresses
Adams Elem	8989 Sycamore Street, Coon Rapids, MN
Anoka High School	3939 N. Seventh Ave, Anoka, MN
AMS - FMMS	1523 – 5 th Ave S, Anoka, MN
AMS - Washington	2171 6 th Ave N, Anoka, MN
Andover Alternative - Bridges	13735 Round Lake Blvd Suite 110, Andover, MN
Andover HS	2115 Andover Blvd NW, Andover, MN
Andover Elem	14950 Hanson Blvd, Andover, MN
AH-Human Services	1201 89 th Avenue, Blaine, MN
Bell Center	1374 Northdale Blvd, Coon Rapids, MN
Blaine HS	12555 University Ave NE, Blaine, MN
Brookside Elementary	17003 Nowthen Blvd. NW Ramsey, MN
CBPA	6100 109 th Ave, Champlin, MN
Champlin Park HS	6025 – 109 th Ave N, Champlin, MN
Coon Rapids Family Center Mall	11232 Crooked Lake Blvd, Coon Rapids, MN
Coon Rapids HS	2340 Northdale Blvd, Coon Rapids, MN
Coon Rapids MS	11600 Raven Street NW, Coon Rapids, MN
Crooked Lake Elem	2939 Bunker Lake Blvd, Anoka, MN
Crossroads Alt HS	1313 Coon Rapids Blvd NW, Coon Rapids, MN
Dayton Elem	1200 S. Diamond Lake Rd, Dayton, MN
Eisenhower Elem	151 Northdale Blvd, Coon Rapids, MN
Evergreen Park Elem	7020 Dupont Ave N, Brooklyn Center, MN
Franklin Elem	215 West Main Street, Anoka, MN
Hamilton Elem	1374 – 111 th Ave NW, Coon Rapids, MN
Hoover Elem	2369 – 109 th Ave NW, Coon Rapids, MN
Jefferson Elem	11331 Jefferson Street NW, Blaine, MN
Jackson Middle	6000 – 109 th Ave. N., Champlin, MN
Johnsville Elem	991 – 125 th Ave NE, Blaine, MN

Education Service Center (ESC)	2727 Ferry Street N, Anoka, MN
Lincoln Elem	540 South Street, Anoka, MN
Madison Elem	650 Territorial Road NE, Blaine, MN
McKinley Elem	1740 Constance Blvd, Ham Lake, MN
Mississippi Elem	10620 Direct River Drive, Coon Rapids, MN
Monroe Elem	901 Brookdale Drive N., Brooklyn Park, MN
Morris Bye Elem	11931 Crooked Lake Blvd, Coon Rapids, MN
Northdale Middle	11301 Dogwood Street, Coon Rapids, MN
Oak View Middle	15400 Hanson Blvd, Andover, MN
Oxbow Creek Elem	6505 – 109 th Ave N., Champlin, MN
Ramsey Elem	15000 Nowthen Blvd, Anoka, MN
Riverview Elem	1400 93 rd Ave N., Brooklyn Park, MN

Roosevelt Middle	650 – 125 th Ave NE., Blaine, MN
RTLCL at LO Jacob	1700 Coon Rapids Blvd, Coon Rapids, MN
Rum River Elem	16950 Verdin Street NW, Andover, MN
Sand Creek Elem	12156 Olive Street NW, Coon Rapids, MN
Sandburg Education Center	1902 Second Ave, Anoka, MN
Sorteberg Early Childhood Center	11400 Magnolia Street NW, Coon Rapids, MN
STEP HS	1353 West Hwy 10, Anoka, MN
Sunrise Elementary	12576 Lever St NE, Blaine MN
University Ave Elem	9901 University Ave NE, Blaine, MN
Verndale	2829 Verndale Ave, Anoka, MN
Wilson Elem	1025 Sunny Lane, Anoka, MN

APPENDIX B – Closet List and Fiber Connections

Building and Wiring Closet	# of Access Points in each IC	# of Access Switches needed 10/100/1000 w/POE+ (see Note)	# of Single Mode 10G Fiber ports between IC's	Wan Connectivity to Remote Sites # of 10 Gig Optics	Wan Connectivity to Remote Sites # of 25 Gig Optics (if bonding two 10Gb links, double these quantities)	Hub Location where this site terminates and Fiber Distance
Adams Elementary						
MC	21	5	2	1		Coon Rapids HS 25344 ft
IC1	18	3	1			
IC2	9	1	1			
Anoka High School				3 Schools		Crooked Lake, Wilson, Andover-DTC
Aggregation				3	2	ESC 153,749 ft 20,995 ft
MC	17	5	9			
IC1	40	14	2			
IC2	48	13	2			
IC3	31	3	1			
IC4	28	6	1			
IC5	3	1	1			

IC6	2	1	1			
IC7	2	3	1			
AMS-FMMS						
MC	27	4	6	1		ESC 8976 ft
IC1	42	7	1			
IC2	39	8	1			
IC3	11	2	1			
IC4	7	2	1			
IC5	4	2	1			
IC6	1	1	1			
AMS-Washington						
MC	32	7	2	1		ESC 4752 ft
IC1	20	4	1			
IC2	8	1	1			
Andover Alternative						
MC	26	6	0	1		Anoka HS 12144 ft
A-H Human Services						
MC	3	4	0	1		ESC
Andover High School				4 Schools		Andover, McKinley, Rum River, Oakview-

						MS
Aggregation				4	2	ESC 112,964 ft 59,525 ft
MC	17	9	9			
IC1	22	9	2			
IC2	25	13	2			
IC3	21	4	1			
IC4	26	7	1			
IC5	11	2	1			
IC6	1	1	1			
IC7	25	4	1			
Andover Elementary						
MC	37	6	3	1		Andover HS 8659 ft
IC1	27	4	1			
IC2	18	2	1			
IC3	17	2	1			
Bell Center						
MC	15	3	1	1		Blaine HS 16896
IC1	11	3	1			
Blaine High School				11 Schools		Sunrise, Bell, Madison,

						Sand Creek, Eisenhower, Sorteberg, Roosevelt-MS, Johnsville, Jefferson, Northdale-MS, University
Aggregation				11	2	ESC 73,617 ft 101,123 ft
MC	19	5	10			
IC1	29	3	1			
IC2	19	3	1			
IC3	45	8	1			
IC4	1	1	1			
IC5	17	8	1			
IC6	19	9	2			
IC7	17	3	1			
IC8	3	1	1			
IC9	29	7	1			
Brookside Elementary						
MC	24	4	4	1		ESC 31,386 ft
IC1	8	2	1			
IC2	17	2	1			

IC3	15	3	1			
IC4	29	3	1			
CBPA						
MC	16	3	3	1		Champlin Park High School 3168
IC1	14	4	1			
IC2	21	3	1			
IC3	13	2	1			
Coon Rapids Family Center Mall						
MC	15	4	1	1		Coon Rapids High School 10,032 ft
IC1	27	5	1			
Champlin Park High School				7 Schools		CBPA, Oxbow Creek, Dayton, Jackson- MS, Evergreen, Monroe, Riverview
Aggregation				7	2	ESC 40,518 ft 72,805 ft
MC	30	7	9			
IC1	30	7	1			

IC2	36	9	2			
IC3	50	11	2			
IC4	33	4	1			
IC5	1	1	1			
IC6	13	2	1			
IC7	10	1	1			
Coon Rapids High School				9 Schools		Coon Rapids-MS, Hamilton, Morris Bye, RTALC-LO Jacob, Mississippi, Crossroads , Hoover, Coon Rapids Alt, Adams
Aggregation				9	2	ESC 78,394 ft 33,610 ft
MC	59	21	11			
IC1	42	8	1			
IC2	10	2	1			
IC3	15	2	1			
IC4	20	1	1			
IC5	29	3	1			
IC6	0	2	1			
IC7	18	2	1			

IC8	13	5	1			
IC9	1	1	1			
IC10	6	1	1			
IC11	4	1	1			
Coon Rapids Middle School						
MC	16	8	7	1		Coon Rapids High School 2640 ft
IC1	19	2	1			
IC2	12	2	1			
IC3	15	4	1			
IC4	24	4	1			
IC5	11	2	1			
IC6	10	2	1			
IC7	8	2	1			
Crooked Lake Elementary						
MC	16	4	2	1		Anoka High School 10,032 ft
IC1	16	4	1			
IC2	10	1	1			

Crossroads Alt						
MC	25	6	0	1		Coon Rapids High School 17,424 ft
Dayton Elementary						
MC	19	3	1	1		Champlin Park High School 44,352 ft
IC1	24	4	1			
Eisenhower Elementary						
MC	16	2	2	1		Blaine High School 18,480 ft
IC1	10	1	1			
IC2	23	4	1			
Evergreen Elementary						
MC	15	2	3	1		Champlin Park High School 50,160 ft
IC1	17	3	1			
IC2	10	1	1			
IC3	2	2	1			
Franklin Elementary						
MC	13	5	1	1		ESC 3168 ft

IC1	28	2	1			
Hamilton Elementary						
MC	19	3	1	1		Coon Rapids High School 10,032 ft
IC1	19	3	1			
Hoover Elementary						
MC	41	8	0	1		Coon Rapids High School 18,480 ft
Jefferson Elementary						
MC	36	6	1	1		Blaine High School 12,144 ft
IC1	21	2	1			
Jackson Middle School						
MC	36	11	8	1		Champlin Park High School 3168 ft
IC1	16	3	1			
IC2	17	3	1			
IC3	16	2	1			
IC4	40	8	1			

IC5	12	2	1			
IC6	13	3	1			
IC7	1	1	1			
IC10	2	1	1			
Johnsville Elementary						
MC	6	3	3	1		Blaine High School 9504 ft
IC1	15	2	1			
IC2	22	3	1			
IC3	10	2	1			
Lincoln Elementary						
MC	32	6	2	1		ESC 9504 ft
IC1	1	1	1			
IC2	9	1	1			
Madison Elementary						
MC	20	5	1	1		Blaine High School 21,120 ft
IC1	20	3	1			
McKinley Elementary						
MC	19	2	2	1		Andover High School 43,296 ft

IC1	21	4	1			
IC2	6	1	1			
Mississippi Elementary						
MC	11	2	1	1		Coon Rapids High School 18,480 ft
IC1	25	6	1			
Monroe Elementary						
MC	33	6	1	1		Champlin Park High School 44,352 ft
IC1	15	3	1			
Morris Bye Elementary						
MC	15	3	2	1		Coon Rapids High School 6864 ft
IC1	22	2	1			
IC2	3	1	1			
Northdale Middle School						
MC	23	5	4	1		Blaine High School 22,176 ft
IC1	29	7	1			

IC2	28	4	1			
IC3	19	2	1			
IC4	1	1	1			
Oakview Middle School						
MC	12	5	6	1		Andover High School 6864 ft
IC1	20	2	1			
IC2	12	4	1			
IC3	12	3	1			
IC4	12	3	1			
IC5	12	3	1			
IC6	12	4	1			
Oxbow Creek Elementary						
MC	34	6	3	1		Champlin Park High School 4224 ft
IC1	6	2	1			
IC2	11	1	1			
IC3	29	5	1			
Ramsey Elementary						
MC	14	3	3	1		ESC 43,296 ft

IC1	28	3	1			
IC2	28	4	1			
IC3	20	4	1			
Riverview Elementary						
MC	14	2	1	1		Champlin Park High School 24,288 ft
IC1	17	5	1			
Roosevelt Middle School						
MC	44	8	3	1		Blaine High School 10,560 ft
IC1	13	3	1			
IC2	16	2	1			
IC3	10	1	1			
RTL at LO Jacob						
MC	39	9	1	1		Coon Rapids High School 15,312 ft
IC1	20	4	1			
Rum River Elementary						

MC	32	6	3	1		Andover High School 18,480 ft
IC1	5	2	1			
IC2	12	1	1			
IC3	29	4	1			
Sandburg						
MC	33	12	1	1		ESC 6600 ft
IC1	14	2	1			
Sand Creek Elementary						
MC	14	3	2	1		Blaine High School 10,560 ft
IC1	10	1	1			
IC2	26	2	1			
Sorteberg ECC						
MC	11	3	1	1		Blaine High School 18,480 ft
IC1	25	4	1			

STEP High School						
MC	42	8	6	1		ESC 13,728 ft
IC1	0	1	1			
IC2	6	1	1			
IC3	4	1	1			
IC4	2	1	1			
IC5	7	1	1			
IC6	1	1	1			
Sunrise Elementary						
MC	24	4	4	1		Blaine High School 35,750 ft
IC1	8	2	1			
IC2	17	2	1			
IC3	15	3	1			
IC4	29	4	1			
University Elementary						
MC	18	5	1	1		Blaine High School 34,320 ft
IC1	37	5	1			

Verndale						
MC	5	3	0	1		ESC 4344 ft
Wilson Elementary						
MC	27	4	1	1		Anoka High School 7920 ft
IC1	21	3	1			
ESC						
MC	12	9	5		2	ESC
IC1	28	13	2			
IC2	16	8	1			
IC3	11	4	1			
IC4	0	2	1			
Building and Wiring Closet	# of Access Points in each IC	Number of SFP fiber ports	# of 1 GB ports	Wan Connectivity to Remote Sites # of 10 Gig Optics	Wan Connectivity to Remote Sites # of 25 Gig Optics	Hub Location where this site terminates and Fiber Distance
ESC Core				To 10 Schools and Zayo (10gb)	Redundant To 5 HS	Brookside, Lincoln, Ramsey, Sandburg-

						MS, AMS-W, Verndale, STEP, AMS-F, Anoka-County Human, Franklin
To Firewalls and HS Fiber Aggregation		32 in each redundant switch		12	10	
Servers		32 in each redundant switch	48 in each redundant switch			

APPENDIX C – Current Data Switches and Access Points

Description	Quantity
Brocade ICX7750-48F	9
Brocade ICX7750-48C	2
Brocade ICX6610-24F	10
Brocade ICX6610-48P	200
Brocade ICX6450-48P	497
Aruba AP-225	2999
Aruba AP-224	57
Aruba AP-335	330