

**REQUEST FOR PROPOSAL (RFP) FOR:  
Wireless Project  
O'Neill Public Schools**

**O'NEILL PUBLIC SCHOOLS (OPS) is seeking proposals for the purchase and installation of wireless network electronics for the upcoming E-Rate funding year 2019-20. All services are to be completed within the guidelines and regulations for local, state, and the federal E-rate program.**

**SERVICES AND HARDWARE REQUESTED:**

**• Network Switches, Wireless Access Points, Caching Server, Router, Battery Backup, Distribution Rack, Cabling, Installation and Maintenance.**

**O'Neill Public Schools consists of two buildings. The Jr./Sr. High School located at 540 East Hynes, O'Neill, NE currently consists of about 35 classrooms, a gymnasium, multiple commons areas, and a library. All of these rooms are used in a 1:1 environment where students carry their MacBook computer with them all day. One Main Distribution Frame (MDF) is located in the room behind the library. One Intermediate Distribution Frame (IDF) is located in a storage room in room 324 and is connected by 1Gig Fiber. The second IDF is located behind the main office and also connected by fiber.**

**The O'Neill Elementary School located at 1700 N. 4<sup>th</sup> St. O'Neill, NE consists of about 32 classrooms, a gymnasium, commons area, and a library. The MDF is located in the work room behind the library and is connected to the high school MDF by 100MBps Fiber. There is one Intermediate Distribution Frame (IDF) located in a maintenance closet by the new addition down the 3-4th grade hall. The IDF is connected by copper. The two buildings are connected by fiber.**

**New construction at the high school will add 16 classrooms, 12 office/conference rooms, 2 commons areas, a gym and locker rooms and a band/vocal music room with practice areas. New access points will be needed at the high school to provide wireless coverage for the all newly constructed areas. Switches will be divided between the two buildings. A distribution rack will be added in the new area of the Jr./Sr. High School. The exact location of the rack has not been determined. Construction is scheduled to be completed by June, 2020.**

## **E-RATE**

The successful bidder(s) will be responsible for qualifying for and adhering to the Federal E-Rate program. Items not eligible for E-Rate must be itemized in the bid. Prices must be held firm for the duration of the E-Rate Year. These projects and services depend on partial funding from the E-rate program and should be completed within the funding year.

- Applicant expects each Service Provider to make themselves thoroughly familiar with any rules or regulations regarding the E-rate program.
- The maximum percentage the Applicant will be liable for is the pre-discount amount minus the funded amount or ineligible portion as shown on the form 471 Block 5.
- In the event of questions during the E-Rate PIA review process, the successful vendor is expected to reply within 3 days to questions associated with their proposal.
- The contractor is responsible for providing a valid SPIN (Service Provider Identification Number) at the time the bid is submitted.
- Any potential bidder found to be in Red-Light Status will be disqualified from participation in the bidding process and will be considered non-responsive.
- Vendor understands that they may be asked to work around school schedules to avoid impacting classroom or busy office times.

The Applicant reserves the right to deny any or all proposals associated with this RFP, even with SLD funding approval. Applicant reserves the right to consider existing piggyback, open RFP, open 470, etc....

Failure to follow the above criteria and requirements may be considered grounds for disqualification.

Site visits can be scheduled by contacting the Technology Coordinator whose contact information is noted below. Questions and/or proposals must be addressed to the Technology Coordinator. Answers to questions will be shared with all interested vendors. Proposals must be submitted by the last day of February, 2019.

**Greg Buller, Technology Coordinator**  
O'Neill Public Schools  
410 East Benton, PO Box 230  
O'Neill, NE 68763  
Telephone: 402-336-1544  
[gregbuller@oneillschools.org](mailto:gregbuller@oneillschools.org)

## **PROJECT PROPOSAL**

This proposal shall be broken down into two options:

1. Full proposal (hardware and labor) to include:
  - a. Vendor to propose and coordinate configurations with the district prior to installation, in order to provide a "turn-key" delivery.
  - b. Install the specified network electronics equipment.
  - c. Install specified copper and fiber optics cabling.
  - d. Perform power-on system and functionality tests.
  - e. Perform and demonstrate a verification of network connectivity and functionality.
  - f. Verify access to the Internet and to district resources.
  - g. Verify interoperability with current network equipment.
  - h. Provide documentation listing all equipment, part numbers, quantities, serial numbers, IP addressing and equipment naming.
  - i. Provide proposed coverage map and post install verification of coverage.
  - j. Provide necessary training as agreed upon by vendor and district.
  - k. Provide three-year maintenance agreement on qualifying equipment.
  
2. Equipment and installation separately to include:
  - a. Delivery of each component to its designated secured location.
  - b. Provide documentation listing all equipment, part numbers, quantities, and serial numbers.
  - c. Provide three-year maintenance agreement on qualifying equipment.

## **HARDWARE EQUIPMENT**

### **WIRELESS ACCESS POINT:**

Each wireless access point should have a dual radio (antenna) design. Each access point should be able to provide at minimum 802.11a/b/g/n standards within the 2.4GHz and 5GHz bands. Each access point should have at least one gigabit uplink port. Each access point should be able to provide 4 or more BSSID. Access points should have the ability to be managed by the existing central system which is a Ruckus ZoneDirector 1200. Each access point should be compatible with current system unless all equipment is to be replaced. Current access points are Zoneflex R700 dual band. There should be at least one access point per room planned. The district reserves the right to adjust the number of access points, depending on need.

#### **NETWORK CABLING:**

Network cabling to the new rooms will be installed by the general contractor of the building project. If any additional cabling is needed to install access points the wire should be rated Category 6 or better with compliant Category 6 accessories used. A minimum of two cables per access point location should be installed. All cable runs should be terminated independently in a female connection form factor at each wireless access point location.

If not already installed, fiber should be installed to connect the new distribution frame to the network. The fiber should be at minimum 3 pair in size and rated 10 Gigabit or better with compliant 10 Gigabit accessories used. If fiber is already installed but not rated 10 Gigabit, it should be replaced or supplemented with additional fiber that is 10 Gigabit rated.

#### **NETWORK SWITCHES:**

Switches must integrate seamlessly with existing head-end and downstream equipment. All distribution frames must have port density and fiber connectivity to support all backbone connections and current or newly terminated connections. All switches must provide at minimum 48 RJ45 Gigabit ports, SFP+ ports, 802.3af/at PoE+ capabilities.

#### **UPS (UNINTERRUPTABLE POWER SUPPLY):**

One UPS with enough capacity to provide at least 15 minutes of runtime at the current equipment load.

#### **RACK EQUIPMENT:**

Rack equipment should support all proposed or current equipment. Location will dictate size, form factor, and installation requirements.

#### **CACHING SERVER:**

Caching server should be able to cache Apple IOS and OS updates. At minimum it should include a 1 quad core processor, 8 GB RAM, 1T hard drive, 3 years warranty, software and licensing.

#### **ROUTER:**

Router should have next gen capabilities including firewall, application control, intrusion prevention, web filtering, and antivirus and include three year maintenance. The lowest rated throughput of all possible options and services enabled should be around 200Mbps. 8 GE ports or more are required. Router should have the capability of reporting to current analyzing and reporting tools.

## Evaluation Procedures

The evaluation for proposed services will be performed by the RFP Coordinator and evaluation staff. The evaluators will consider how well the vendor's proposed solution meets the needs and criteria set forth in the fair and competitive bidding process using the matrix displayed below. It is important that bids be itemized, clear, and complete so that the evaluators can adequately understand all aspects of the proposal. Evaluation results are confidential and the property of the district.

### Evaluation Scale:

<b>Weight</b>	<b>Factor</b>
<b>25%</b>	<b>Price of Eligible Goods and Services</b>
<b>20%</b>	<b>Prior Experience with vendor</b>
<b>15%</b>	<b>Walkthrough</b>
<b>10%</b>	<b>Qualifications</b>
<b>10%</b>	<b>Deviance from RFP Specifications</b>
<b>10%</b>	<b>Distance from District</b>
<b>5%</b>	<b>Billing Methods</b>
<b>5%</b>	<b>E-rate Experience</b>

O'Neill Jr./Sr. High School Floor Plan showing existing rooms:

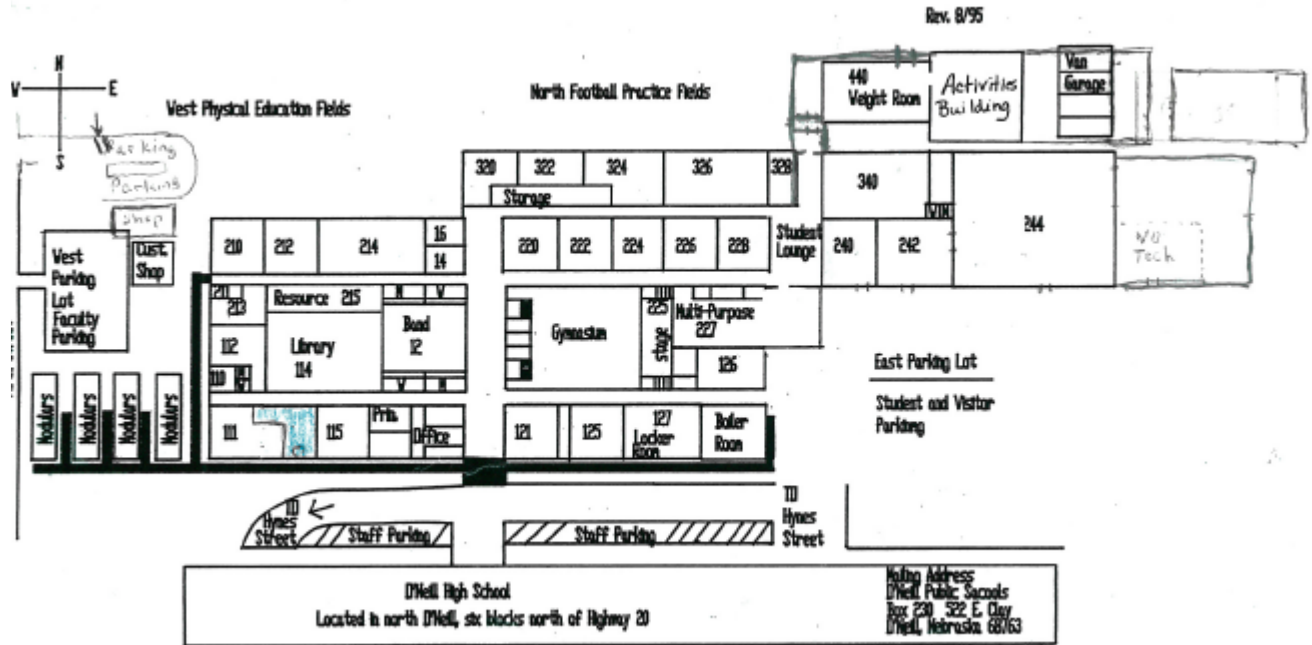
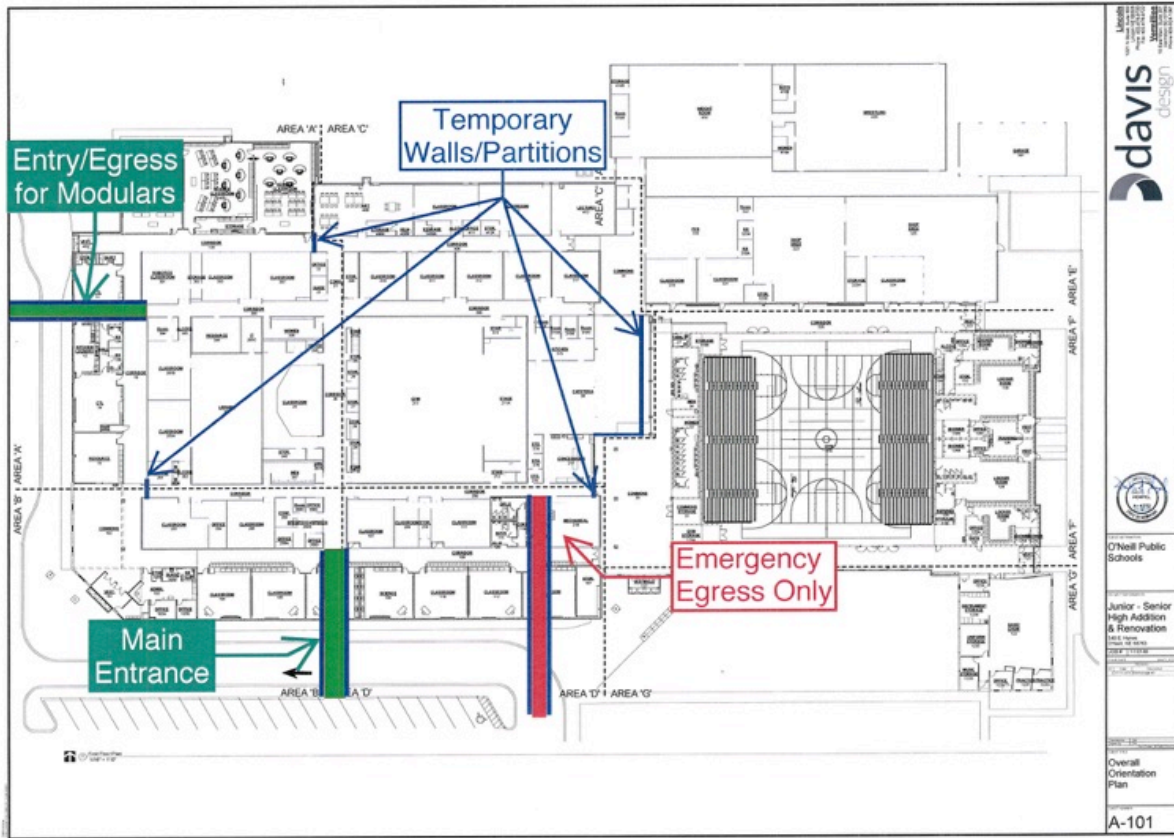


Diagram 1 of new construction – new areas are Area A, B, D, F, and G:



Diagram 2 of new construction:







## FCC Form 470 – Funding Year 2019

Form 470 Application Number: 190014725

O'Neill 2019 network project

### Billed Entity

O'NEILL PUBLIC SCHOOL DISTRICT  
 410 EAST BENTON  
 ONEILL, NE 68763  
 402-336-2889  
 amyshane@oneillschools.org

### Contact Information

Mary Gurney  
 mgurneyrate@gmail.com  
 402-760-2791

**Billed Entity Number:** 230976

**FCC Registration Number:** 0011822194

### Application Type

**Applicant Type:** School District

**Recipients of Services:** Pre-K; Public School; Public School District

**Number of Eligible Entities:** 3

### Consulting Firms

Name	Consultant Registration Number	Phone Number	Email
Mary Gurney	17001967	402-760-2791	mgurney@esu8.org

### Consultants

Name	Phone Number	Email
Mary Gurney	402-760-2791	mgurneyrate@gmail.com

### RFPs

Id	Name
64596	O_Neill project diagram
64597	Temporary Partitions and Exits
64598	O_Neill_RFP_2019_final

### Category One Service Requests

Service Type	Function	Function Other Description	Minimum Capacity	Maximum Capacity	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs

### Description of Other Functions

Id	Name

Narrative

## Category Two Service Requests

Service Type	Function	Manufacturer	Manufacturer Other Description	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Internal Connections	Router	Fortinet or equivalent			1	Each	Yes	64596, 64597, 64598
Internal Connections	WAP	Ruckus Wireless or equivalent			25	Each	Yes	64596, 64597, 64598
Internal Connections	Switches	Ubiquiti or equivalent			6	Each	Yes	64596, 64597, 64598
Internal Connections	UPS/Battery Backup	No Preference			1	Each	Yes	64596, 64597, 64598
Internal Connections	Caching	Apple or equivalent			1	Each	Yes	64596, 64597, 64598
Internal Connections	Racks	No Preference			1	Each	Yes	64596, 64597, 64598
Internal Connections	Cabling	No Preference		1	100	Feet	Yes	64596, 64597, 64598

## Description of Other Manufacturers

Id	Name
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### Narrative

Network equipment as stated in attached RFP to provide service for additional rooms being added to the high school building and existing rooms at both the elementary and high school buildings. Cabling needed will vary depending on what is installed by the general contractor of the building project. In addition to the RFP the original documents showing the floor plan of the new construction are uploaded to provide a clearer picture of the proposed project.

## Technical Contact

Greg Buller  
 Tech Coordinator  
 402-336-1544  
 gregbuller@oneillschools.org

## State and Local Procurement Restrictions

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## Billed Entities

Billed Entity Number	Billed Entity Name
230976	O'NEILL PUBLIC SCHOOL DISTRICT

## Certifications

I certify that the applicant includes:

I certify that the applicant includes schools under the statutory definitions of elementary and secondary schools found in the No Child Left Behind Act of 2001, 20 U.S.C. §§ 7801 (18) and (38), that do not operate as for-profit businesses, and do not have endowments exceeding \$50 million.

### Other Certifications

I certify that this FCC Form 470 and any applicable RFP will be available for review by potential bidders for at least 28 days before considering all bids received and selecting a service provider. I certify that all bids submitted will be carefully considered and the bid selected will be for the most cost-effective service or equipment offering, with price being the primary factor, and will be the most cost-effective means of meeting educational needs and technology goals.

I certify that I have reviewed all applicable FCC, state, and local procurement/competitive bidding requirements and that I have complied with them. I acknowledge that persons willfully making false statements on this form may be punished by fine or forfeiture,

under the Communications Act, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.

I acknowledge that FCC rules provide that persons who have been convicted of criminal violations or held civilly liable for certain acts arising from their participation in the schools and libraries support mechanism are subject to suspension and debarment from the program.

I certify that I will retain required documents for a period of at least 10 years (or whatever retention period is required by the rules in effect at the time of this certification) after the later of the last day of the applicable funding year or the service delivery deadline for the associated funding request. I certify that I will retain all documents necessary to demonstrate compliance with the statute and Commission rules regarding the form for, receipt of, and delivery of services receiving schools and libraries discounts. I acknowledge that I may be audited pursuant to participation in the schools and libraries program. I certify that the services the applicant purchases at discounts provided by 47 U.S.C. § 254 will be used primarily for educational purposes, see 47 C.F.R. § 54.500, and will not be sold, resold or transferred in consideration for money or any other thing of value, except as permitted by the Commission's rules at 47 C.F.R. § 54.513. Additionally, I certify that the entity or entities listed on this form have not received anything of value or a promise of anything of value, other than services and equipment sought by means of this form, from the service provider, or any representative or agent thereof or any consultant in connection with this request for services.

I acknowledge that support under this support mechanism is conditional upon the school(s) and/or library(ies) I represent securing access, separately or through this program, to all of the resources, including computers, training, software, internal connections, maintenance, and electrical capacity necessary to use the services purchased effectively. I recognize that some of the aforementioned resources are not eligible for support. I certify that I have considered what financial resources should be available to cover these costs. I certify that I am authorized to procure eligible services for the eligible entity(ies). I certify that I am authorized to submit this request on behalf of the eligible entity(ies) listed on this form, that I have examined this request, and to the best of my knowledge, information, and belief, all statements of fact contained herein are true.

**NOTICE:**

In accordance with Section 54.503 of the Federal Communications Commission's ("Commission") rules, certain schools and libraries ordering services that are eligible for and seeking universal service discounts must file this Description of Services Requested and Certification Form (FCC Form 470) with the Universal Service Administrator. 47 C.F.R. § 54.503. The collection of information stems from the Commission's authority under Section 254 of the Communications Act of 1934, as amended. 47 U.S.C. § 254. The data in the report will be used to ensure that schools and libraries comply with the competitive bidding requirement contained in 47 C.F.R. § 54.503. Schools and libraries must file this form themselves or as part of a consortium.

An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

The FCC is authorized under the Communications Act of 1934, as amended, to collect the information requested in this form. We will use the information you provide to determine whether you have complied with the competitive bidding requirements applicable to requests for universal service discounts. If we believe there may be a violation or a potential violation of any applicable statute, regulation, rule or order, the information you provide in this form may be referred to the Federal, state, or local agency responsible for investigating, prosecuting, enforcing, or implementing the statute, rule, regulation or order. In certain cases, the information you provide in this form may be disclosed to the Department of Justice or a court or adjudicative body when (a) the FCC; or (b) any employee of the FCC; or (c) the United States Government is a party of a proceeding before the body or has an interest in the proceeding. In addition, information provided in or submitted with this form, or in response to subsequent inquiries, may also be subject to disclosure consistent with the Communications Act of 1934, FCC regulations, the Freedom of Information Act, 5 U.S.C. § 552, or other applicable law.

If you owe a past due debt to the federal government, the information you provide in this form may also be disclosed to the Department of the Treasury Financial Management Service, other Federal agencies and/or your employer to offset your salary, IRS tax refund or other payments to collect that debt. The FCC may also provide the information to these agencies through the matching of computer records when authorized.

If you do not provide the information we request on the form, the FCC or Universal Service Administrator may return your form without action or deny a related request for universal service discounts.

The foregoing Notice is required by the Paperwork Reduction Act of 1995, Pub. L. No. 104-13, 44 U.S.C. § 3501, et seq.

Public reporting burden for this collection of information is estimated to average 3.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing, and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the reporting burden to the Federal Communications Commission, Performance Evaluation and Records Management, Washington, DC 20554. We also will accept your comments via the email if you send them to PRA@FCC.gov. DO NOT SEND COMPLETED WORKSHEETS TO THESE ADDRESSES.

**Authorized Person**

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**Certified Timestamp**

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