

**ERATE 470 FORM #999830001304802 REQUEST AND  
REQUEST FOR PROPOSAL (RFP) FOR:  
Wireless Project  
Plainview Public Schools**

**PLAINVIEW PUBLIC SCHOOLS is seeking proposals for the upcoming Funding Year 15-16 round of E-Rate. The district is soliciting proposals for the purchase and installation of wireless network electronics. 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, Wireless Controller, Ethernet and Fiber Network Cabling, Caching Server, UPS, and Equipment Racks.**

**The high school building currently has 1 MDF location and 1 IDF location. The MDF is located in the Long Distance Learning Room 101, which also has the telco demarcation. A larger IDF is located in between two classrooms, 108 and 109, and connects to the MDF via copper Ethernet.**

**The elementary building consists of 1 IDF located in the media center, which feeds back to the larger IDF via fiber optic cable.**

**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.**
- **All contracts entered into as a result of this RFP will be contingent upon the specific funding of the FRN at the percentage rate submitted.**
- **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.

Proposals must be addressed to our office location noted below. All proposals are required submitted by end of February 2015.

Technology Coordinator  
Plainview Public Schools  
301 West Pilcher Avenue  
P.O. Box 638, Plainview, Nebraska 68769  
Telephone: 402.582.4993

## **PROJECT**

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. Provide documentation listing all equipment, part numbers, quantities, serial numbers, IP addressing and equipment naming.
  - h. Provide proposed coverage map and post install verification of coverage.
  - i. Provide necessary training as agreed upon by vendor and district.

**j. Provide two 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 two 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. Each access point should have the ability to be managed by a central system. Each access point should be compatible with current system unless all equipment is to be replaced. There should be at least one access point per room planned.

### **WIRELESS CONTROLLER SYSTEM:**

The controller should be able to contact and control all currently or newly installed equipment. Two years of hardware and software support should cover the wireless access points and the wireless controller system or the system as a whole.

### **NETWORK CABLING:**

All network wire should be Category 6 rated or better with compliant Category 6 accessories used. Installed should be a minimum of two cables per access point location. All cable runs should be terminated independently in a female connection form factor at each wireless access point location. The color should be white. If not already installed, fiber should be installed between distribution frames for network backbone purposes. The fiber should be at minimum 3 pair in size and 10 Gigabit capable rated or better with compliant 10 Gigabit accessories used. If fiber is already installed but not 10 Gigabit rated, it should be replaced or supplemented with additional fiber that is 10 Gigabit rated.

**NETWORK SWITCHING:**

Must have such design to 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, 2 SFP+ ports, 802.3af/at PoE+ capabilities, and 740W or more total power.

**CACHING SERVER:**

Equipment must be able to provide a caching service for iOS updates for more than 100 iOS devices with a minimum of 1TB hard drive space.

**UPS (UNINTERRUPTABLE POWER SUPPLY):**

Each distribution frame must have a UPS with enough capacity to provide at least 30 min of runtime at the current equipment load.

**RACK EQUIPMENT:**

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

**Evaluation Procedures**

The evaluation will be performed by the RFP Coordinator and evaluation staff for services proposed. 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 below matrix. 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.

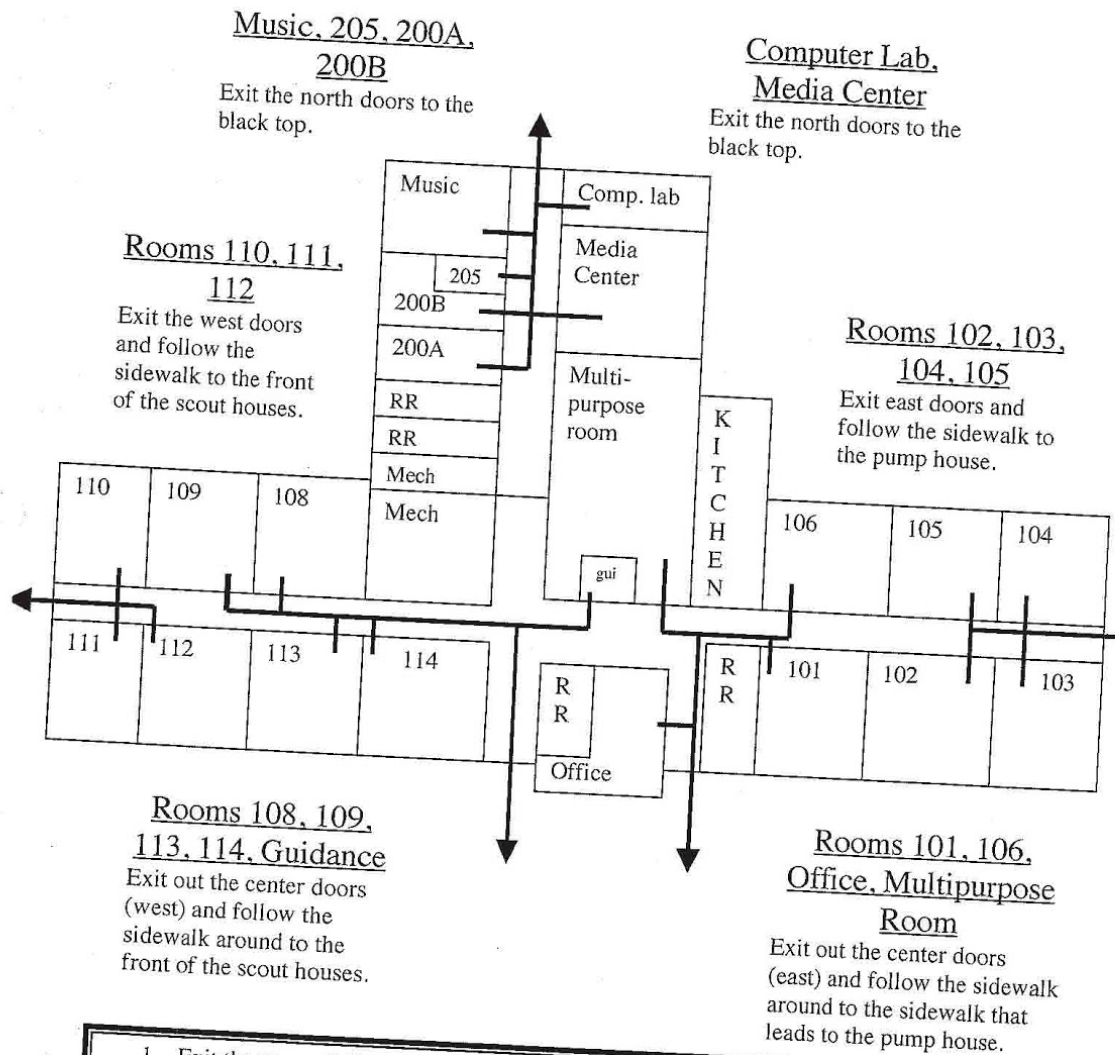
**Evaluation Scale:**

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

Plainview Public Schools Aerial View



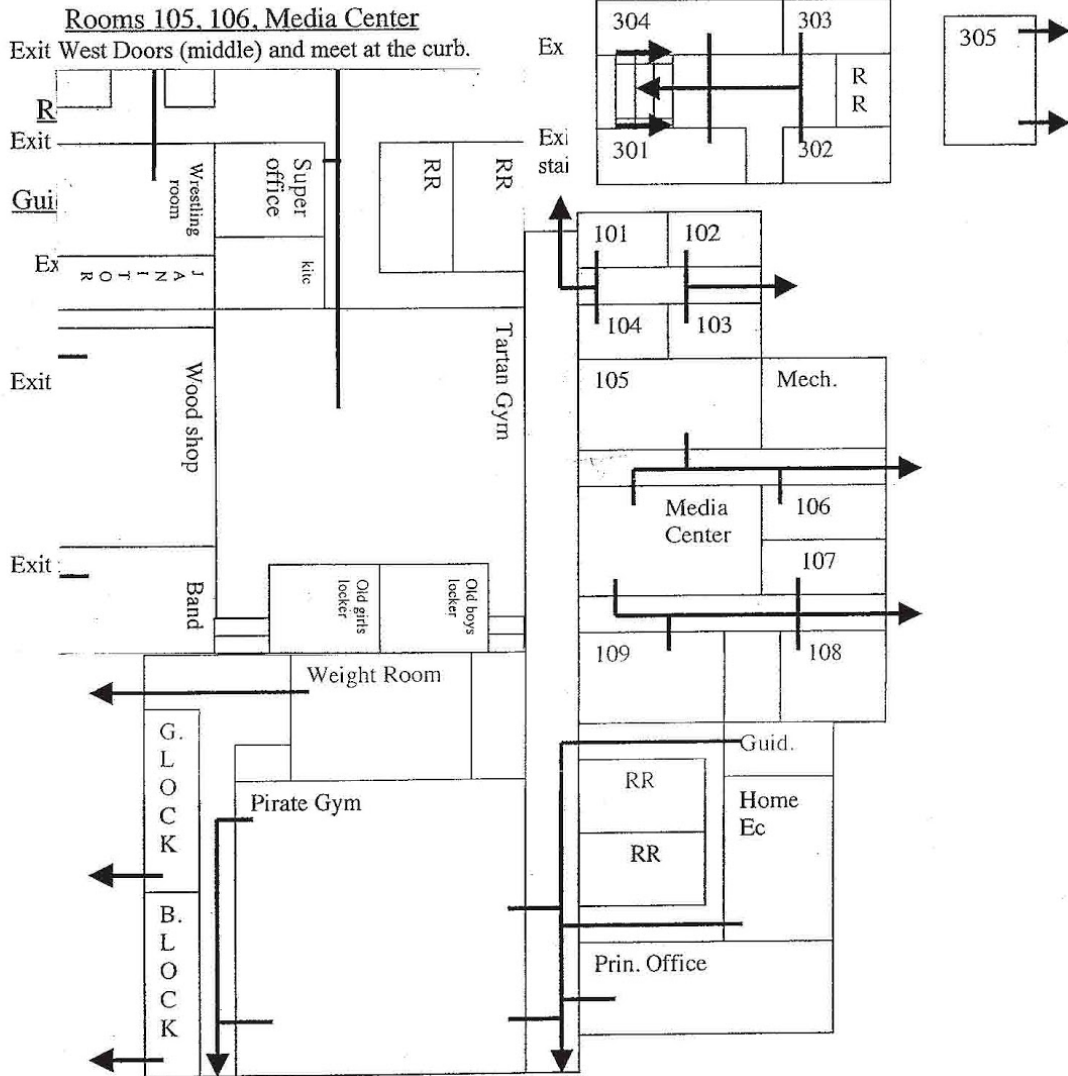
## Emergency Fire Routes for Elementary School



1. Exit the rooms following the escape routes. If routes are blocked by either smoke or flames, alternate routes will need to be found. Close doors upon evacuating the rooms.
2. Take roll and immediately alert administration if a student is missing. Staff members should not return to the building to find missing students.
3. Staff and students should remain in "safe zones" until an all clear signal is given or evacuation plans are made by administrative personnel.

Plainview Public Schools High School Floor Plan

# Emergency Fire Evacuation High Building



1. Exit the rooms following the escape routes. If routes are blocked by either smoke or flames, alternate routes will need to be found. Close doors upon evacuating the rooms.
2. Take roll and immediately alert administration if a student is missing. Staff members should not return to the building to find missing students.
3. Staff and students should remain in "safe zones" until an all clear signal is given or evacuation plans are made by administrative personnel.