

**BELLWOOD-ANTIS SCHOOL DISTRICT**  
**REQUEST FOR BIDS**  
**for**  
**OUTDOOR WIRELESS ACCESS POINTS**

**INSTRUCTIONS,**  
**BIDDING FORMS**  
**&**  
**SPECIFICATIONS**

**BID DUE: Wednesday, April 27, 2017 - Bid Opening at 2:00 P.M.**

**Table of Contents**

Invitation to Bid..... Pg. 3

Instructions to Bidders..... Pg. 4

Scope..... Pg. 6

Bid Form..... Pg. 8

Certification Re: Debarred or Suspended Parties..... Pg. 10

Non-Collusion..... Pg. 11

## INVITATION TO BID

Sealed Bids are being requested for **WIRELESS ACCESS POINTS AND SWITCH GEAR** for the **BELLWOOD-ANTIS SCHOOL DISTRICT**. Bids will be received in the Bellwood-Antis School District Administrative Office, 300 Martin Street, Bellwood, PA 16617. Bids will be opened in the conference room of the Administrative Office at 2:00 PM, prevailing time, on April 27, 2017.

Bids to be accepted/rejected by the Board within ninety (90) days of the bid opening.

Instructions, Bidding Forms, and Specifications may be obtained online at [www.blwd.k12.pa.us](http://www.blwd.k12.pa.us).

All Bids must be on the forms provided by the Bellwood-Antis School District. All envelopes containing bids shall be clearly marked: **SEALED BID: "BELLWOOD-ANTIS SCHOOL DISTRICT WIRELESS ACCESS POINTS AND SWITCH GEAR"**. No bid shall be withdrawn for a period of ninety (90) days after the scheduled date of bid opening.

The Bellwood-Antis School District reserves the right to waive any informalities and to accept or reject all or part of any or all bids. Late bids will not be accepted.

Kimberly M. VanGorder  
Business Manager/Board Secretary

## **INSTRUCTIONS TO BIDDERS**

**Bids:** All bids shall be submitted to the Owner at the address shown in a sealed envelope and marked **SEALED BID: “BELLWOOD-ANTIS SCHOOL DISTRICT OUTDOOR WIRELESS ACCESS POINTS”**. Bids will be accepted for the above project by the Owner until 2:00 P.M., Wednesday, April 27, 2017 at which time bids will be opened.

The Bellwood-Antis School District Board of Directors reserves the right to waive any bid conditions or formalities when it appears to be in the District’s best interest to do so. Purchase is contingent on e-Rate funding.

No bid will be accepted as valid unless “BID FORMS” and any supplemental forms provided to all bidders are properly and completely executed. Late bids will not be accepted. The District reserves the right to waive these requirements for minor irregularities.

The submission of a bid shall serve as conclusive evidence that the bidder has satisfied himself as to all requirements outlined in the bid specifications and addendums (if applicable) and to all conditions serving to control the execution of the project which may ensue. The vendor shall not at any time after the submission of this bid, set up any claim whatsoever based upon insufficient data or incorrectly assumed conditions.

**Standard of Quality:** The various materials and products specified by name or description are given to establish a standard of quality and cost for bidding purposes. It is not the intent to limit the bidder, the bid or the evaluation of the bid to any one material or product specified, but rather to describe a minimum standard that is acceptable. Where proprietary names are used, that shall be followed by the words “or alternatives of the quality necessary to meet the specifications”. A bid containing an alternative which does not meet the specifications may be declared non-responsive. A bid containing an alternative may be accepted but, if an award is made to that bidder, the bidder will be required to replace any alternative which does not meet the specification.

**Award of Contract:** The owner shall award the contract to the selected bidder or shall reject all bids within ninety (90) days of the date of bid opening, and no bidder may withdraw his bid before the expiration of such ninety (90) day period. Ninety (90) day extensions of the date for the award of the contract may be made by the mutual consent of the owner and the selected bidder. All awards are contingent upon e-Rate funding.

**Disqualification:** Bidders may be disqualified for any of the following specific reasons:

- a. failure to submit proper documentation.
- b. not qualified by length of business existence, or has not completed a project of this size.
- c. the bidder being interested in any litigation against the Owner.
- d. for federally funded projects, vendors or contractors must not be debarred or suspended from federal contracts.

- e. the bidder having defaulted on past contract or in arrears on an existing contract with the District.
- f. lack of competency as revealed by any questionnaires required with the bid.
- g. falsification of information provided the Owner or incomplete submittals/proposals.
- h. poor reference referrals or poor performance of past work for others.
- i. bidder amendments not acceptable to the Owner.

Within fifteen (15) days following the award (or when presented the contract by the Owner, if later than fifteen days) the successful bidder will enter into a written contract with the Board.

The Owner is not under any obligation to award the contract to the lowest bidder. The Owner reserves the right to make any investigations necessary to assure itself that the Bidder is properly qualified to satisfactorily perform the contract; to accept the complete bid; to adjust the quantities to be purchased in accordance with the Contract Documents; to delete specific items; to waive any informalities and to reject any and all bids.

Each bidder shall be prepared, if so requested, to present evidence of experience, qualifications, and financial ability to carry out the work in accordance with the terms of the agreement.

## **GENERAL PROVISIONS**

**Payment:** The payment terms are net 30 days. Net Terms for periods less than 30 days (Ex. Net 15) may result in rejection of the proposal. **(discounts for prompt payment will be considered.)** Billing Statements and Invoices are to be submitted under the condition of the Business Manager and/or his/her designee.

**Any purchase order for products or services resulting from this contract award, must be contingent upon provision for cancellation, without penalty, if the applicable funds are not available for required payment or if the product or services fail to meet minimum school criteria for acceptance and performance reliability.**

**Cancellation:** Either party may cancel this agreement at any time with ninety (90) days notice, in writing, to the other party. In this event, it is agreed that the vendor will keep any payments already made prior to receipt of notice but no further payments will be made, for any services which are rendered after that ninety (90) day period has expired.

**Warranty of Service:** The proposer must warrant that it will provide appropriately trained personnel with regards to the provision of services identified above and that these services will be provided regardless of conditions that may negatively impact on the ability of the vendor to deliver other services.

## **SCOPE OF WORK**

### **Bellwood-Antis RFP for Outdoor Wireless Access Points**

#### **Quantity: 6 Access Points**

#### **Technical Specifications**

Access points must be cloud managed. Zero requirement for an on premise management server to control the access points. Configuration done entirely from a web browser.

#### **Radios**

2.4 GHz 802.11b/g/n/ac client access radio

5 GHz 802.11a/n/ac client access radio

2.4 GHz & 5 GHz dual-band WIDS/WIPS, spectrum analysis, & location analytics radio

2.4 GHz Bluetooth Low Energy (BLE) radio with Beacon and scanning support

Concurrent operations of all four radios

Supported frequency bands (country-specific restrictions apply):

2.412-2.484 GHz

5.150-5.250 GHz (UNII-1)

5.250-5.350 GHz (UNII-2)

5.470-5.600, 5.660-5.725 GHz (UNII-2e)

5.725 -5.825 GHz (UNII-3)

#### **802.11ac & 802.11n Capabilities**

4 x 4 multiple input, multiple output (MIMO) with four spatial streams

SU-MIMO and MU-MIMO support

Maximal ratio combining (MRC) & beamforming

20 and 40 MHz channels (802.11n), 20, 40, 80, 160, 80 + 80 MHz channels (802.11ac)

Up to 256-QAM on both 2.4 GHz & 5 GHz bands

Packet aggregation

#### **Power**

4 x 4 multiple input, multiple output (MIMO) with four spatial streams

SU-MIMO and MU-MIMO support

Power consumption: 21W max (802.3at)

### **Mounting**

Mounts to walls and vertical poles.

Mounting hardware included

### **Physical Security**

Security screw included

Concealed mount plate

### **Environment**

Operating temperature: -40 °F to 131 °F (-40 °C to 55 °C)

Humidity: 5 to 95% non-condensing

IP67 environmental rating

### **Interfaces**

1x 100/1000/2.5G BASE-T Ethernet & 1x 10/100/1000 BASE-T Ethernet (RJ45)

Four external N-type female antenna connectors

### **Security**

Integrated Layer 7 firewall with mobile device policy management

Real-time WIDS/WIPS with alerting and automatic rogue AP containment with

Air Marshal

Flexible guest access with device isolation

VLAN tagging (802.1q) and tunneling with IPsec VPN

PCI compliance reporting

WEP, WPA, WPA2-PSK, WPA2-Enterprise with 802.1X

EAP-TLS, EAP-TTLS, EAP-MSCHAPv2, EAP-SIM

TKIP and AES encryption

Enterprise Mobility Management (EMM) & Mobile Device Management (MDM) integration

Cisco ISE integration for Guest access and BYOD Posturing

### **Quality of Service**

Advanced Power Save (U-APSD)

WMM Access Categories with DSCP and 802.1p support

Layer 7 application traffic identification and shaping

### **Mobility**

PMK, OKC, & 802.11r for fast Layer 2 roaming

Distributed or centralized layer 3 roaming

### **Analytics**

Embedded location analytics reporting and device tracking

Global L7 traffic analytics reporting per network, per device, & per application

### **Management**

Managed via the cloud must integrate with Meraki dashboard

Must integrate with Meraki wireless, routing, and firewall **management**

No-touch remote deployment (no staging needed)

### **Warranty**

1 year hardware warranty with advanced replacement included / or better

### **Licensing**

Proposal must include licensing costs for 5 continuous years of operation

### **Antennas**

Each access point needs complimented with QTY 4 Omni-directional antennas with appropriate connections for the access point supplied.



## BID FORM AND SUPPLEMENTAL FORMS

**1. In compliance with the Instruction to Bidders, and other specifications provided, we, the undersigned, do hereby agree to provide all materials.**

**Project:** Request for Bids for Proposal for Outdoor Wireless Access Points

**Site:** Bellwood-Antis School District

**For:** Bellwood-Antis School District  
300 Martin Street  
Bellwood, PA 16617

**By:** Date \_\_\_\_\_  
Bidder's Company Name \_\_\_\_\_  
Phone \_\_\_\_\_  
Fax \_\_\_\_\_  
E-Mail \_\_\_\_\_

**BID AMOUNT:**

**EQUIPMENT:** \_\_\_\_\_

**LICENSING:** \_\_\_\_\_

**Any Discount Structure (if applicable)**

---

3. We, the undersigned, agree that if awarded the contract, to execute an agreement for the above stated work and for the above stated compensation.
4. We, the undersigned, acknowledge the District will make payment 30 days after receipt of invoice. Invoice will be accepted after project is completed.
5. We, the undersigned, acknowledge receipt and consideration of the following Addenda or Clarifications:

Addendum # \_\_\_\_\_ / \_\_\_\_\_ Dated: \_\_\_\_\_ / \_\_\_\_\_

Clarification # \_\_\_\_\_ / \_\_\_\_\_ Dated: \_\_\_\_\_ / \_\_\_\_\_

6. We, the undersigned, agree that this proposal as submitted shall remain valid through ninety (90) days following the bid opening.

7. Other conditions affecting this bid: (attached letters or pages as necessary to define conditions or exceptions.)

8. Bidder's Legal Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

(Print Name)

Title

Submitted By: \_\_\_\_\_

(Authorized Signature)

Title

Date: \_\_\_\_\_

\_\_\_\_\_

9. Submit the following unless Marked N/A (Not Applicable):

N/A List of previous similar projects completed for school districts: Date, Owner, Phone, City, Contact Person. Provide at least five within the last two years.

\_\_\_\_\_ Certificate regarding debarred and suspended parties for federal purchases.

\_\_\_\_\_ Non-Collusion Affidavit

N/A Certified Check or Bid Bond

I have provided the documents and/or information as requested immediately above.

\_\_\_\_\_  
(Authorized Signature)

**CERTIFICATE RE: DEBARRED OR SUSPENDED PARTIES**

All vendors submitting bids involving purchases with federal funds must certify that they are not debarred or suspended parties from participating in federally purchased services, equipment, or products.

\*\*\*\*\*

I hereby certify that as bidder for the product or service requested that the bidder is not currently debarred or suspended nor is being investigated for practices which may result in being debarred or suspended from supplying services or products for federally funded projects.

Bidder's Legal Name: \_\_\_\_\_

Signed by: \_\_\_\_\_  
(Print Name) Title

Signature: \_\_\_\_\_

NON-COLLUSION AFFIDAVIT

Contract Name: \_\_\_\_\_ Contract No.: \_\_\_\_\_

State of: \_\_\_\_\_ County of: \_\_\_\_\_

I state that I am \_\_\_\_\_ of \_\_\_\_\_  
(Title) (Name of Firm)

and that I am authorized to make this affidavit on behalf of this firm, and its owners, directors, and officers. I am the person responsible in this firm for the prices and the amount of this bid. I state that:

- (1) The prices and amount of this bid have been arrived at independently and without consultation, communication or agreement with any other bidder or potential bidder.
- (2) Neither the prices nor the amount of this bid, and neither the approximate price nor approximate amount of this bid, have been disclosed to any other firm or person who is a bidder or potential bidder, and they will not be discussed before bid opening.
- (3) No attempt has been made or will be made to induce any firm or person to refrain from bidding on this contract, or to submit a bid higher than this bid, or to submit any intentionally high or noncompetitive bid or other form of complementary bid.
- (4) The bid of this firm is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive bid.
- (5) \_\_\_\_\_ (Name of firm), its affiliates, subsidiaries, officers, directors and employees are not currently under investigation by any government agency and have not in the last four years been convicted or found liable for any act prohibited by State or Federal law in any jurisdiction, involving conspiracy or collusion with respect with bidding on any public contract, except as follows: \*I state that \_\_\_\_\_ (Name of firm) understands and acknowledges that the above representations are material and important and will be relied on by the Bellwood-Antis School District in awarding the contract for which this bid is submitted. I understand and this firm understands that any misstatement in this affidavit is an shall be treated as fraudulent concealment from the Bellwood-Antis School District of the true facts relating to the submission of bids for this contract.

\_\_\_\_\_  
(Name) (Position)

\_\_\_\_\_  
(Company Name and Address)

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

\_\_\_\_\_  
(Notary Public) My Commission expires \_\_\_\_\_

\*Note: Such a conviction or liability does not prohibit acceptance of your bid or award of a contract but may be a basis for a determination that you are not a responsible bidder. Please list any convictions or liabilities on an attached page to this Affidavit.