



**ADDENDUM/AMENDMENT NUMBER 1**

**March 15, 2017**

**RIO RANCHO PUBLIC SCHOOLS**

**ITB#2017-007-IT**

**“Purchase and Installation of R-Rate Eligible IT Equipment”**

**DEADLINE FOR RECEIPT OF PROPOSALS IS AS FOLLOWS:**

**DUE DATE: Friday, April 14, 2017**

**TIME: 2:00 PM MST**

**DELIVER TO: Rio Rancho Public Schools  
Purchasing Room 214  
500 Laser Road NE  
Rio Rancho, New Mexico 87124**

The purpose of this amendment is to:

- A) Add an additional Line **item #12A** – Please refer to and use the attached Amended Bid Response form when submitting your bid response.
- B) To clarify that 2 RCDD's will be required to be on staff.
- C) To advise bidders that the successful bidder(s) will be required to identify the E-Rate eligible portion of each piece of equipment bid.

Note, all other terms, conditions, specifications, requirements and criteria remain unchanged.

## SECTION V

### **AMENDED BID RESPONSE FORM (3-15-17)**

NOTE: RRPS reserves the right to make multiple awards and to make awards based upon line item submittals. Bidders are encourage to submit bids for as many bid line items as they are in position to provide.

RRPS may make such investigations as necessary to determine the ability of the Bidders to provide and perform the required equipment and services. Bidders shall furnish all such data for this purpose as RRPS may request. RRPS reserves the right to reject any Bid if the evidence submitted by, or investigation of, proves the Bidder is not qualified to carry out the obligations of the contract and/or furnish the equipment and services described herein.

Bidder shall also construe this provision to incorporate any necessary investigation and/or monitoring during the life of the contract to enforce any current policy of the Board of Education, such as, but not limited to, no smoking or alcoholic beverages on RRPS property. As a general rule, any such regulation or law applying to RRPS personnel shall be deemed to be in force for the Service Provider's employees occupying any district work **site**.

**Bidders must have a valid Service Provider Identification Number (SPIN) and be in good standing with the program and its rules and regulations. The SPIN must be included on Exhibit B, Bidder Signatory Form, to be submitted with RFP package.**

Note, with regards to suppliers of the equipment products identified within this ITB, Bidders must be an authorized manufacturer reseller and service provider and for each of the manufacturer products bid. Please provide a short company profile, including years in business, current State of NM CID licensure held—if offering to perform cabling installation services (submit proof).

The Bidder must furnish a minimum of three (3) references of organizations and/or businesses that Offeror has provided with similar goods and/or services. Preferably, RRPS references should not be given as one of the three (3) references. The organization's name, a contact, a telephone number and a brief description of the goods and/or services provided are required for each reference. (See Appendix B)

The Bidder must provide proof that they meet or exceed all insurance requirements (Exhibit D).

### **PRICING OF E-RATE ELIGIBLE GOODS AND SERVICES (PARTS A and B)**

Please be advised that Bidders may choose to respond to this solicitation in one of the following three ways. (1) the purchase of just the equipment listed services (WAPs, switchgear, UPS battery backups); (2) to perform just the cabling and installation of owner supplied equipment (to be purchase separately as mentioned in #1 above); or (3) for both the purchase and installation of the equipment as identified within the bid response form. Note, option three shall be limited only to those Bidders who are licensed within the State of New Mexico to perform cabling services. RRPS reserves the right: 1) to award on the basis of an individual service, or groups of services, or on the entire list of services;

2) to reject any or all bids or any part thereof; 3) to accept the bid(s) that is/are in the best interest of RRPS.

Please provide detailed pricing broken down by line item.

Please note that Service Providers must ensure that the lowest corresponding price (LCP) is provided to applicant as required by 47 CFR Part 54, Section 54.500(f), see <http://www.usac.org/sl/service-providers/step02/lowest-corresponding-price.aspx> for additional information, per e-Rate pricing rules.

Please be advised that RRPS reserves the right to make such investigations as necessary to determine the compatibility of the Offerors' equipment to the District's network. For example, the WAPs must easily integrate in our ClearPass and AirWave Wireless Management systems.

### ***PART A: EQUIPMENT ONLY***

**BID AS FOLLOWS:** Bid amounts include all equipment, parts, labor, material, freight, handling, shipping, insurance, dealer prep, registration, etc. – FOB Destination.

*(Note, Bidders are encouraged to bid on any or all bid items listed)*

Note, offers of equal performance will be considered, unless otherwise noted within the line item description, and provided that complete product literature and specifications are included with your submittal response.

NOTE: Delivery may be a factor in the award. Please state your guaranteed delivery date (\_\_\_\_/days ARO) for each of the bid items listed below, within the space provided for each line item.

#### ***LINE ITEM #1:***

**Quantity (421) Aruba Instant IAP-315 (US) 802.11n/ac Dual 2x2:2/4x4:4 MU-MIMO Radio Integrated Antenna AP Indoor Access Point (JW813A) W/ 1 Year Airwave License, (LIC-AW) ; or equal performance**

- Must have the ability for cloud based management, standalone GUI management and conversion for Controller management
- Must be able to operate with a controller or without a controller using built in software
- Support for wireless AC 5GHz 4x4 MIMO and 2.4GHz 2x2 MIMO
- Must support application level firewall with role based policies
- Must intelligently move clients to other access points based on the best access point available
- Must communicate with existing RRPS Aruba access points around to determine the best channel to operate on

- Must include all necessary licensing
- Must include service for next day exchange

<u>Unit</u>	<u>Qty</u>	<u>Extended</u>
<b>Bid Amount: \$</b>	<b>421</b>	<b>\$</b>

**Note: bid amount includes all parts, labor, material, freight, handling etc.**

**State Manufacturer make and model number bid:**

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**Guaranteed Delivery Date: \_\_\_\_\_ARO**

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**LINE ITEM #2:**

**Quantity (79) Aruba Instant IAP-335 (US) 802.11n/ac Dual 4x4:4 MU-MIMO Radio Integrated Antenna 2.5+1 GbE AP Indoor Access Point (JW825A) W/ 1 Year Airwave License (LIC-AW); or equal performance.**

- Must have the ability for cloud based management, standalone GUI management and conversion for Controller management
- Must be able to operate with a controller or without a controller using built in software
- Support for wireless AC 5GHz 4x4 MIMO and 2.4GHz 2x2 MIMO
- Must support application level firewall with role based policies
- Must intelligently move clients to other access points based on the best access point available
- Must communicate with existing RRPS Aruba access points around to determine the best channel to operate on
- Must have ports capable of scaling up to 5Gbps on RJ-45
- Must include all necessary licensing
- Must include service for next day exchange

<u>Unit</u>	<u>Qty</u>	<u>Extended</u>
<b>Bid Amount: \$</b>	<b>79</b>	<b>\$</b>

**Note: bid amount includes all parts, labor, material, freight, handling etc.**

**State Manufacturer make and model number bid:**

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**Guaranteed Delivery Date: \_\_\_\_\_ARO**

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**LINE ITEM #3:**

**Quantity (23) Aruba Instant IAP-277 Wireless Access Point, 802.11ac, 3x3:3, dual radio, integrated directional antennas (JW259A), W/ Wall Mounts, W/ 1 Year Airwave License (LIC-AW); or equal performance**

- Must have the ability for cloud based management, standalone GUI management and conversion for Controller management
- Must be able to operate with a controller or without a controller using built in software
- Support for wireless AC 5GHz 3x3 MIMO and 2.4GHz 2x2 MIMO
- Multiple integrated directional antennas with a 80 degree H/V beamwidth
- Must support application level firewall with role based policies
- Must intelligently move clients to other access points based on the best access point available
- Must communicate with existing RRPS Aruba access points around to determine the best channel to operate on
- Must include all necessary licensing

<ul style="list-style-type: none"> <li>● Must include service for next day exchange</li> </ul>	<u>Qty</u>	<u>Extended</u>
<u>Unit</u>		
<b>Bid Amount: \$</b>	<b>23</b>	<b>\$</b>

**Note: bid amount includes all parts, labor, material, freight, handling etc.**

**State Manufacturer make and model number bid:**

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**Guaranteed Delivery Date: \_\_\_\_\_ARO**

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**LINE ITEM #4:**

**Quantity (8) Aruba Instant IAP-205H (US) Hospitality 802.11ac Dual 2x2:2 Radio Integrated Antenna AP (JW217A) W/ 1 Year Airwave License (LIC-AW); or equal performance**

- Must have the ability for cloud based management, standalone GUI management and conversion for Controller management
- Must be able to operate with a controller or without a controller using built in software
- Support for wireless AC 5GHz 2x2 MIMO and 2.4GHz 2x2 MIMO
- Support for at least 3 wired network ports with VLAN tagging
- Must support application level firewall with role based policies
- Must intelligently move clients to other access points based on the best access point available

- Must communicate with existing RRPS Aruba access points around to determine the best channel to operate on
- Must include all necessary licensing
- Must include service for next day exchange

<u>Unit</u>	<u>Qty</u>	<u>Extended</u>
<b>Bid Amount: \$</b>	<b>8</b>	<b>\$</b>

**Note: bid amount includes all parts, labor, material, freight, handling etc.**

**State Manufacturer make and model number bid:**

**Guaranteed Delivery Date: \_\_\_\_\_ARO**

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***LINE ITEM #5:***

**Site CAE: Aruba 7205 (US) 2-port 10GBASE-X (SFP+) Controller (JW736A) W/ 67 Access point (LIC-AP) & 67 Policy Enforcement Firewall (LIC-PEF) Licenses; *or equal performance***

**Site CDN: Aruba 7205 (US) 2-port 10GBASE-X (SFP+) Controller (JW736A) W/ 63 Access point (LIC-AP) & 63 Policy Enforcement Firewall (LIC-PEF) Licenses; *or equal performance***

**Site CHS: Aruba 7205 (US) 2-port 10GBASE-X (SFP+) Controller (JW736A) W/ 133 Access point (LIC-AP) & 133 Policy Enforcement Firewall (LIC-PEF) Licenses; *or equal performance***

**Site EHE: Aruba 7205 (US) 2-port 10GBASE-X (SFP+) Controller (JW736A) W/ 63 Access point (LIC-AP) & 63 Policy Enforcement Firewall (LIC-PEF) Licenses; *or equal performance***

**Site ERMS: Aruba 7205 (US) 2-port 10GBASE-X (SFP+) Controller (JW736A) W/ 79 Access point (LIC-AP) & 79 Policy Enforcement Firewall (LIC-PEF) Licenses; *or equal performance***

**Site ESE: Aruba 7205 (US) 2-port 10GBASE-X (SFP+) Controller (JW736A) W/ 67 Access point (LIC-AP) & 67 Policy Enforcement Firewall (LIC-PEF) Licenses; *or equal performance***

**Site LMS: Aruba 7205 (US) 2-port 10GBASE-X (SFP+) Controller (JW736A) W/ 77 Access point (LIC-AP) & 77 Policy Enforcement Firewall (LIC-PEF) Licenses; *or equal performance***

**Site MCE: Aruba 7205 (US) 2-port 10GBASE-X (SFP+) Controller (JW736A) W/ 64 Access point (LIC-AP) & 64 Policy Enforcement Firewall (LIC-PEF) Licenses; *or equal performance***

**Site MLK: Aruba 7205 (US) 2-port 10GBASE-X (SFP+) Controller (JW736A) W/ 68 Access point (LIC-AP) & 68 Policy Enforcement Firewall (LIC-PEF) Licenses; *or equal performance***

**Site MVMS: Aruba 7205 (US) 2-port 10GBASE-X (SFP+) Controller (JW736A) W/ 67 Access point (LIC-AP) & 67 Policy Enforcement Firewall (LIC-PEF) Licenses; *or equal***

*performance*

**Site PDS: Aruba 7205 (US) 2-port 10GBASE-X (SFP+) Controller (JW736A) W/ 67 Access point (LIC-AP) & 67 Policy Enforcement Firewall (LIC-PEF) Licenses; or equal performance**

**Site RRE: Aruba 7205 (US) 2-port 10GBASE-X (SFP+) Controller (JW736A) W/ 59 Access point (LIC-AP) & 59 Policy Enforcement Firewall (LIC-PEF) Licenses; or equal performance**

**Site RRHS: Aruba 7205 (US) 2-port 10GBASE-X (SFP+) Controller (JW736A) W/ 153 Access point (LIC-AP) & 153 Policy Enforcement Firewall (LIC-PEF) Licenses**

**Site RRMS: Aruba 7205 (US) 2-port 10GBASE-X (SFP+) Controller (JW736A) W/ 131 Access point (LIC-AP) & 131 Policy Enforcement Firewall (LIC-PEF) Licenses; or equal performance**

**Site SVE: Aruba 7205 (US) 2-port 10GBASE-X (SFP+) Controller (JW736A) W/ 66 Access point (LIC-AP) & 66 Policy Enforcement Firewall (LIC-PEF) Licenses; or equal performance**

**Site VGE: Aruba 7205 (US) 2-port 10GBASE-X (SFP+) Controller (JW736A) W/ 70 Access point (LIC-AP) & 70 Policy Enforcement Firewall (LIC-PEF) Licenses; or equal performance**

- Support for at least 256 access points
- Must support at least 6000 devices
- Support 2x 10Gbit redundant network ports
- Must have redundant power supply option
- Must support wireless AC access points
- Must support clustering and high availability options
- Must automatically assign power and channel settings of access points for maximum channel space
- Must support a centralized management solution for multiple controllers
- Must support application level firewall with role based policies
- Support for remote VPN access points
- Must be able to identify rogue access points and block them if necessary
- Must be able to support VMware virtualization and have a hardware appliance option
- Must intelligently move clients to other access points based on the best access point available
- Must be able to integrally manage RRPS' existing Aruba WAPs
- Must include all necessary licensing

	<u>Product Config</u>	<u>Extended</u>
<b>CAE Bid Amount</b>	<b>7205 (JH736A) - Qty 1</b> <b>LIC-AP - Qty 67</b> <b>LIC-PEF - Qty 67</b>	\$

<b>CDN Bid Amount</b>	7205 (JH736A) - Qty 1 LIC-AP - Qty 63 LIC-PEF - Qty 63	\$
<b>CHS Bid Amount</b>	7205 (JH736A) - Qty 1 LIC-AP - Qty 133 LIC-PEF - Qty 133	\$
<b>EHE Bid Amount</b>	7205 (JH736A) - Qty 1 LIC-AP - Qty 63 LIC-PEF - Qty 63	\$
<b>ERMS Bid Amount</b>	7205 (JH736A) - Qty 1 LIC-AP - Qty 79 LIC-PEF - Qty 79	\$
<b>ESE Bid Amount</b>	7205 (JH736A) - Qty 1 LIC-AP - Qty 67 LIC-PEF - Qty 67	\$
<b>LMS Bid Amount</b>	7205 (JH736A) - Qty 1 LIC-AP - Qty 77 LIC-PEF - Qty 77	\$
<b>MCE Bid Amount</b>	7205 (JH736A) - Qty 1 LIC-AP - Qty 64 LIC-PEF - Qty 64	\$
<b>MLK Bid Amount</b>	7205 (JH736A) - Qty 1	\$



	<b>LIC-AP - Qty 68</b> <b>LIC-PEF - Qty 68</b>	
<b>MVMS Bid Amount</b>	<b>7205 (JH736A) - Qty 1</b> <b>LIC-AP - Qty 67</b> <b>LIC-PEF - Qty 67</b>	\$
<b>PDS Bid Amount</b>	<b>7205 (JH736A) - Qty 1</b> <b>LIC-AP - Qty 67</b> <b>LIC-PEF - Qty 67</b>	\$
<b>RRE Bid Amount</b>	<b>7205 (JH736A) - Qty 1</b> <b>LIC-AP - Qty 59</b> <b>LIC-PEF - Qty 59</b>	\$
<b>RRHS Bid Amount</b>	<b>7205 (JH736A) - Qty 1</b> <b>LIC-AP - Qty 153</b> <b>LIC-PEF - Qty 153</b>	\$
<b>RRMS Bid Amount</b>	<b>7205 (JH736A) - Qty 1</b> <b>LIC-AP - Qty 131</b> <b>LIC-PEF - Qty 131</b>	\$
<b>SVE Bid Amount</b>	<b>7205 (JH736A) - Qty 1</b> <b>LIC-AP - Qty 66</b> <b>LIC-PEF - Qty 66</b>	\$
<b>VGE Bid Amount</b>	<b>7205 (JH736A) - Qty 1</b> <b>LIC-AP - Qty 70</b>	\$

	LIC-PEF - Qty 70	
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**Note: bid amount includes all parts, labor, material, freight, handling etc.**

**State Manufacturer make and model number bid:**

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**Guaranteed Delivery Date: \_\_\_\_\_ARO**

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**LINE ITEM #6:**

**Site RRCA: Aruba 7030 (US) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller (JW687A) W/ 5 Access point (LIC-AP) & 5 Policy Enforcement Firewall (LIC-PEF) Licenses; or equal performance**

- Support for at least 64 access points
- Must support at least 1000 devices
- Support 2x 1Gbit redundant network ports
- Must support wireless AC access points
- Must support clustering and high availability options
- Must automatically assign power and channel settings of access points for maximum channel space
- Must support a centralized management solution for multiple controllers.
- Must support application level firewall with role based policies
- Support for remote VPN access points
- Must be able to identify rogue access points and block them if necessary
- Must be able to support VMware virtualization and have a hardware appliance option
- Must intelligently move clients to other access points based on the best access point available
- Must be able to integrally manage RRPS' existing Aruba WAPs
- Must include all necessary licensing

	<u>Product Config</u>	<u>Extended</u>
<b>RRCA Bid Amount</b>	<b>7030 (JW687A) - Qty 1</b>  <b>LIC-AP - Qty 5</b>  <b>LIC-PEF - Qty 5</b>	\$

**Note: bid amount includes all parts, labor, material, freight, handling etc.**

**State Manufacturer make and model number bid:**

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**Guaranteed Delivery Date: \_\_\_\_\_ARO**

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**LINE ITEM #7:**

**Site Data Center: Quantity (2) HPE Aruba MC-VA-1K US Control 1K AP E-LTU (JY904AAE) W/ 42 Access point (LIC-AP) & 42 Policy Enforcement Firewall (LIC-PEF) Licenses; or equal performance**

- Must have the capability to be virtualized using VMware
- Support for 1000 access points and handle fail over access points from remote sites
- Must support wireless AC access points
- Must support clustering and high availability options
- Must automatically assign power and channel settings of access points for maximum channel space
- Must support a centralized management solution for multiple controllers.
- Must support application level firewall with role based policies
- Support for remote VPN access points
- Must be able to identify rogue access points and block them if necessary
- Must intelligently move clients to other access points based on the best access point available
- Must be able to integrally manage RRPS' existing Aruba WAPs
- Must include all necessary licensing

	<u>Product Config</u>	<u>Extended</u>
<b>Bid Amount: \$</b>	<b>Aruba-MC-VA-1K (JY904AAE) - Qty 2</b> <b>LIC-AP - Qty 42</b> <b>LIC-PEF - Qty 42</b>	<b>\$</b>

**Note: bid amount includes all parts, labor, material, freight, handling etc.**

**State Manufacturer make and model number bid:**

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**Guaranteed Delivery Date: \_\_\_\_\_ARO**

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**LINE ITEM #8:**

**Quantity (1) Aruba Networks ARUBA MM-VA-5K MOB MASTER SW E-LTU (JY897AAE); or equal performance**

- Must have the capability to be virtualized using VMware
- Support for 5000 access points and handle fail over access points from remote sites
- Must support wireless AC access points
- Must automatically assign power and channel settings of access points for maximum channel space
- Must support a centralized management solution for multiple controllers.
- Must support application level firewall with role based policies
- Support for remote VPN access points
- Must be able to identify rogue access points and block them if necessary
- Must intelligently move clients to other access points based on the best access point available
- Must be able to integrally manage RRPS' existing Aruba WAPs
- Must include all necessary licensing

<u>Unit</u>	<u>Qty</u>	<u>Extended</u>
<b>Bid Amount: \$</b>	<b>1</b>	<b>\$</b>

**Note: bid amount includes all parts, labor, material, freight, handling etc.**

**State Manufacturer make and model number bid:**

**Guaranteed Delivery Date: \_\_\_\_\_ARO**

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***LINE ITEM #9:***

**Quantity (3) HPE 7506 Chassis 2x2.4Tbps MPU/Fabric Modular Bundle Core Switches (JH332A); or equal performance**

**Quantity (2) HPE 7500 48P 10G M2RSG Module (JH430A); or equal performance**

**Quantity (1) HPE 7500 48p 1000BASE-T w/PoE+ SE Module (JH213A); or equal performance**

**Quantity (6) HPE 7500 2800W AC Power Supply (JD219A); or equal performance**

**Quantity (24) HPE X130 10G SFP+ LC SR Transceiver (JD092B); or equal performance**

**Quantity (3) HPE 3Y PC 24x7 7506 Switch SVC (U2P42E)**

- Must be configured with at least 2 40Gbit QSFP+ ports
- Must support modular expansion for multiple 40Gbit QSFP+ ports
- Must support at least 6 modular slots
- Variety of module options supported including 48 port POE+, 40Gbit QSFP+, and 48 port 10Gbit SFP+
- Must support a minimum of 24 10Gbe ports in a high availability configuration

- Must support OSPF and enterprise routing features
- Must have redundant power supplies
- Support for CoS, IPSec VPN, GRE Tunneling and VXLAN
- Must support virtual stacking technology for a single management plane with the ability to do link-aggregation across switches
- Must offer SDN capabilities using OpenFlow 1.3 specifically
- Must offer management CPU redundancy
- Minimum of 2.4 Tbps Fabric and processing unit
- Must include all necessary licensing

<u>Unit</u>	<u>Qty</u>	<u>Extended</u>
<b>JH332A Bid Amount: \$</b>	<b>3</b>	<b>\$</b>
<b>JH430A Bid Amount: \$</b>	<b>2</b>	<b>\$</b>
<b>JH213A Bid Amount: \$</b>	<b>1</b>	<b>\$</b>
<b>JD219A Bid Amount: \$</b>	<b>6</b>	<b>\$</b>
<b>JD092B Bid Amount: \$</b>	<b>24</b>	<b>\$</b>
<b>U2P42E Bid Amount: \$</b>	<b>3</b>	<b>\$</b>

**Note: bid amount includes all parts, labor, material, freight, handling etc.**

**State Manufacturer make and model number bid:**

- **OPTION:** Must include pricing options for 3 years OR 5 years' worth of maintenance/warranty/support/licensing for the above listed equipment items. This licensing may be on the individual components or may be "bundled" as a fully configured switch. Please provide all appropriate information.

<u>Unity (Qty)</u>	<u>OPTION: 3 Year warrant/maintenta/support/licen cing</u>	<u>OPTION: 5 Year warrant/maintenta/support/licencing</u>
<b>JH332A (Qty 3)</b>	<b>\$</b>	<b>\$</b>
<b>JH430A (Qty 2)</b>	<b>\$</b>	<b>\$</b>
<b>JH213A (Qty 1)</b>	<b>\$</b>	<b>\$</b>

JD219A (Qty 6)	\$	\$
JD092B (Qty 24)	\$	\$
U2P42E (Qty 3)	\$	\$

State Manufacturer make and model number bid:

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Guaranteed Delivery Date: \_\_\_\_\_ARO

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**LINE ITEM #10:**

**RRPS needs to replace MDF core switches with a fully modular, advanced layer 3 capable switch with 10Gbe support.**

**Quantity (25) Aruba 3810M 40G 8 HPE Smart Rate PoE+ 1-slot Switch (JL076A); or equal performance**

**Quantity (8) Aruba 3810M 16SFP+ 2-slot Switch (JL075A); or equal performance**

**Quantity (23) Aruba 3810M 4SFP+ Module (JL083A); or equal performance**

**Quantity (16) Aruba X371 12VDC 250W 100-240VAC Power Supply (JL085A); or equal performance**

**Quantity (50) Aruba X372 54VDC 680W 100-240VAC Power Supply (JL086A); or equal performance**

**Quantity (18) HPE X132 10G SFP+ LC SR Transceiver (J9150A); or equal performance**

**Quantity (33) HPE Aruba 3810M 4-port Stacking Module (JL084A); or equal performance**

**Quantity (28) HPE HP 3800 0.5M Stacking Cable (J9578A); or equal performance**

- Must support variable link speed rates on at least 6 RJ-45 ports
- Must support some modularity for Fiber modules and power supplies
- Must support OSPF, CoS and advanced routing features
- Must have redundant power supplies
- Must be capable of at least 700 watts of POE power per switch (excluding dedicated SFP+ switches)
- Must be able to stack up to at least 6 switches in a ring topology
- Must support openflow and an HPE SDN controller
- Must have role-based policy options. Must be capable of tunneling traffic to a wireless controller and integrate with ClearPass Policy Manager.
- Must support for an application layer firewall terminating to a wireless controller
- Must support for Zero Touch Provisioning

- Must include all necessary licensing

<u>Unit</u>	<u>Qty</u>	<u>Extended</u>
JL076A Bid Amount: \$	25	\$
JL075A Bid Amount: \$	8	\$
JL083A Bid Amount: \$	23	\$
JL085A Bid Amount: \$	16	\$
JL086A Bid Amount: \$	50	\$
J9150A Bid Amount: \$	18	\$
JL084A Bid Amount: \$	33	\$
J9578A Bid Amount: \$	28	\$

Note: bid amount includes all parts, labor, material, freight, handling etc.

State Manufacturer make and model number bid:

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Guaranteed Delivery Date: \_\_\_\_\_ARO

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***LINE ITEM #11:***

**Quantity (12) VMware NSX Advanced License - 1 Processor - Academic (NX-ADV-A)**

**Quantity (12) VMware Support and Subscription Production Technical Support - for VMware NSX Advanced - 1 Processor - Academic - Emergency Phone Consulting - 1 Year - 24x7 - Response Time:30 min (NX-ADVP-SSS-A)**

RRPS needs a virtual firewall used in a Vmware vcenter environment to protect East to West traffic flows

- Firewall must run at the kernel level of the RRPS existing ESXI host and be near line rate up to 20Gbit of throughput.
- Firewall must be capable of working with Palo Alto networks firewalls for application level

firewall capabilities

- Must support SDN features and VXLAN
- Must include a load balancer
- Must include all necessary licensing

<u>Unit</u>	<u>Qty</u>	<u>Extended</u>
NX-ADV-A Bid Amount: \$	12	\$
NX-ADVP-SSS-A Bid Amount: \$	12	\$

Note: bid amount includes all parts, labor, material, freight, handling etc.

State Manufacturer make and model number bid:

Guaranteed Delivery Date: \_\_\_\_\_ARO

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**LINE ITEM #12:**

**Quantity (2) Palo Alto Application layer firewall (PA-5220)**

- Must be a layer 7 application firewall
- Must support firewall, IPS, malware and virus prevention, VPN and web filtering capabilities
- Must provide a cloud based malware analysis to detect real time threats
- At least 9 Ggbit of IPS throughput prevention
- At least 15Gbps of Firewall throughput
- Must support at least 3,000,000 sessions
- Must support user-ID from active directory without a plugin or application
- Must integrate with XML API into Aruba Clearpass Policy manager for user-ID and ingress logging.
- Must support high throughput SSL decryption
- Must be capable of running in a high availability Active/Active and Active/Passive configuration
- Must support on-site unlicensed spare
- Support for OSPF and BGP
- Must include all necessary licensing

<u>Unit</u>	<u>Qty</u>	<u>Extended</u>
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<b>PA-5220 Bid</b>	<b>2</b>	<b>\$</b>
<b>Amount: \$</b>		

**Note: bid amount includes all parts, labor, material, freight, handling etc.**

**State Manufacturer make and model number bid:**

**Guaranteed Delivery Date: \_\_\_\_\_ARO**

.....  
**LINE ITEM #12A:**

RRPS will need renewed support on our existing Access Points for a year

Quantity (446) (Aruba Networks - ARUBACARE IAP SUPPORT RENEWAL (1 YEAR)) *SUPP-IAP-1YR-R SUPP-AW-EDIY-R SUPP-CP-EDIY-R*

<b>Aruba Networks - ARUBACARE IAP SUPPORT RENEWAL (1 YEAR))</b>	<b>446</b>	<b>\$</b>
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Note: bid amount includes all parts, labor, material, freight, handling etc.

State Manufacturer make and model number bid:

Guaranteed Delivery Date: \_\_\_\_\_ARO

.....  
**PART B: (INSTALLATION AND CABLING ONLY)**

RRPS will require installation of many of the newly purchased wireless access points (WAPs). See following Installation Locations and Number of Required New Cabling Runs and Moves chart below. This installation SHALL include any or all of the following:

New data cabling runs as required

- Installation, testing and certification reports of cable
- Mounting of new WAPs
- Replacing existing WAPs
- Relocating existing WAPs

**Wiring Specifications:**

Access points will be mounted based on RRPS provided diagrams (**Reference attached Exhibit G**). Access points labeled as moved should be checked if they can be moved without running a new drop. New drops will need to be added, patched in the IDF/MDF then patched into the switch. New drops need to be run with Cat6 and must meet RRPS wiring specifications. Cat6 Black patch cables need to be used from the patch panel to the switch. Each cable needs to be labeled on the patch panel and at the drop. We require documentation and as-build drawings after project has been completed.

**NOTE:** Installation Standards: For all construction and installations, the successful cabling installation offeror shall comply with the recommendations and standards as set forth in the latest edition(s) of IEEE and ANSI/EIA/TIA Telecommunication Standards. Except as may be modified by the governing codes and by the Contract Documents. Please refer to the ITB Exhibit E Labeled “*RRPS-ITS Network Infrastructure Cabling Specifications*”.

**BID AS FOLLOWS:** Bid amounts are to include all parts, labor, material, equipment, freight, supplies, insurance, licensure, permitting, site prep, clean up, G&A, overhead,

***LINE ITEM #13:***

**RRPS will need installation of the Wireless Access Points (WAPs). Below is a list of the number of drops and WAP installations for each school location:**

**Site CAE: Quantity (41) new interior WAP installations**

**Site CDN: Quantity (28) new interior WAP installations**

**Site CHS: Quantity (8) new exterior WAP installations**

**Site EHE: Quantity (31) new interior WAP installations and Quantity (18) interior moves**

**Site ERMS: Quantity (34) new interior WAP installations**

**Site: ESE: Quantity (33) new interior WAP installations**

**Site IHS: Quantity (4) new interior WAP installations**

**Site LMS: Quantity (35) new interior WAP installations**

**Site MCE: Quantity (34) new interior WAP installations**

**Site MLK: Quantity (37) new interior WAP installations**

**Site MVMS: Quantity (25) new interior WAP installations**

**Site PDS: Quantity (27) new interior WAP installations**

**Site RRE: Quantity (26) new interior WAP installations**

**Site RRHS: Quantity (12) new exterior WAP installations**

**Site RRMS: Quantity (47) new interior WAP installations and Quantity (3) new exterior WAP installations**

**Site SVE: Quantity (42) new interior WAP installations**

**Site VGE: Quantity (44) new interior WAP installations and Quantity (6) interior moves**

- Contractor must have on staff, full-time BICSI Registered Communication Distribution Designer (RCDD)s to adequately provide on-site support and oversee the installation of this project.
- Contractor must have at least one New Mexico Electrical Licensee - EE98. Work to be performed must be performed under the supervision and responsible charge of the license holder.
- Installers must be qualified to perform cable installation, cable terminations for all media types, administration labeling and documentation, bonding and grounding where required, and be able to test cable for performance compliance
- CAT 6a is required for new WAP installations
- Contractor is responsible for supplying patch panels and patch cables where necessary
- Contractor is responsible for patch cables from switch to patch panel and from drop to WAP
- All other RRPS requirements for cabling vendor qualifications and installations are located in the attached RRPS Cabling Specification document.

	<u>Drop Quantities</u>	<u>Extended</u>
<b>CAE Bid Amount</b>	<b>41 new interior</b>	<b>\$</b>
<b>CDN Bid Amount</b>	<b>28 new interior</b>	<b>\$</b>
<b>CHS Bid Amount</b>	<b>12 new exterior</b>	<b>\$</b>
<b>EHE Bid Amount</b>	<b>31 new interior</b> <b>18 interior moves</b>	<b>\$</b>
<b>ERMS Bid Amount</b>	<b>34 new interior</b>	<b>\$</b>

<b>ESE Bid Amount</b>	<b>33 new interior</b>	<b>\$</b>
<b>IHS Bid Amount</b>	<b>4 new interior</b>	<b>\$</b>
<b>LMS Bid Amount</b>	<b>35 new interior</b>	<b>\$</b>
<b>MCE Bid Amount</b>	<b>34 new interior</b>	<b>\$</b>
<b>MLK Bid Amount</b>	<b>37 new interior</b>	<b>\$</b>
<b>MVMS Bid Amount</b>	<b>25 new interior</b>	<b>\$</b>
<b>PDS Bid Amount</b>	<b>27 new interior</b>	<b>\$</b>
<b>RRE Bid Amount</b>	<b>26 new interior</b>	<b>\$</b>
<b>RRHS Bid Amount</b>	<b>12 new exterior</b>	<b>\$</b>
<b>RRMS Bid Amount</b>	<b>47 new interior</b> <b>3 new exterior</b>	<b>\$</b>
<b>SVE Bid Amount</b>	<b>42 new interior</b>	<b>\$</b>
<b>VGE Bid Amount</b>	<b>44 new interior</b> <b>6 interior moves</b>	<b>\$</b>

**Note: bid amount includes all parts, labor, material, freight, handling etc.**

**State Manufacturer make and model number bid:**

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**Guaranteed Delivery Date: \_\_\_\_\_ARO**