

Request for Proposals

E-Rate Wireless Infrastructure Project

South Pike School District

Notice to Bidders

Notice is hereby given to interested bidders that the South Pike School District will receive written, sealed bids until the hour of 10:00 a.m. on Tuesday, February 24, 2015, at which time bids will be opened in the Conference Room of the South Pike School District Administrative Building at 250 W Bay Street, Magnolia, MS. (Also known as the Harry C. Frye Administration Building)

<i>Timeline for RFP: SPSD Wireless Infrastructure 2015</i>	
470 Form posted with USAC	Tuesday, January 27, 2015
RFP Posted to South Pike SD Web Site	Tuesday, January 27, 2015
State Bid Bank Bid Notice	Tuesday, January 27, 2015
Newspaper Bid Notice	First: Wednesday, January 28, 2015 Second: Wednesday, February 4, 2015
Pre-Bid Site Visit	Thursday February 12, 2015, 9:00 am
Stop Receiving Bids	Tuesday, February 24, 2015, 10:00 am
Bid Opening	Tuesday, February 24, 2015, 10:00 am
Bid Evaluation	Tuesday, February 24 – 25, 2015
Recommendation to the School Board	Thursday - March 5, 2015

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E-Rate Wireless Infrastructure Project (Description)

The South Pike School District wishes to install the necessary wireless equipment to allow each of its schools to simultaneously operate 30 wireless devices in specified classrooms and 100+ wireless devices in specified common areas such as but not limited to libraries, auditoriums, gyms and cafeterias.

The capacity of the access points should allow students to conduct moderate to heavy Web access for research with video streaming, such as all students being able to view a online video in HD during class time. The Bidder may assume that the South Pike School District has sufficient Internet bandwidth to supply the requirements above. The primary objective is to ensure that bottlenecks do not occur at the wireless access point under the specified conditions.

Proposals should include a realistic assessment of actual access points as well as cabling and other equipment necessary to support the wireless needs outlined above and specified below. Technical specifications of equipment should be provided with the proposal.

The proposal must guarantee performance sufficient to fulfill the needs of the South Pike School District as specified within this RFP. After implementation of the successful vendor's proposal, if additional equipment, cabling or labor is needed, the vendor will bear all costs necessary to satisfy the requirements of this RFP and of the vendors proposed solution.

It is the vendor's responsibility to ensure that the equipment proposed meets the performance specifications of the manufacturer and the previously stated requirements. The South Pike School District will not release the vendor from the performance guarantee required above, because of malfunctions or defects in equipment due to manufacturer error or flaws in the equipment.

In order to be eligible to bid, a prospective bidder must attend a pre-bid conference at Thursday February 12, 2015, 9:00 a.m. and a building walkthrough afterward. The pre-bid conference will be held at the South Pike School District Administrative Offices located at 250 W Bay Street, Magnolia, MS. Proposals from vendors who do not complete the conference and walkthrough WILL NOT be considered.

At the time of the pre-bid conference, all bidders will be expected to complete and turn in the "Site Visit Information Form" at the end of this document.

Bids will be opened at, 10:00 a.m. on Tuesday, February 24, 2015. For more information, contact Nancy D. Wallace at nwallace@southpike.org.

General

The specifications herein are provided to convey the intent of the system and do not indicate every cable or component necessary for the complete system that the proposing vendor shall provide.

Prices quoted shall be an all-inclusive solution including all applicable taxes, shipping costs, installation of equipment, configuration of equipment, any necessary cabling, training, technical support and trash removal, and represent complete installation and integration with the existing network where necessary. All equipment included in vendor's proposal must be new equipment purchased from an authorized reseller. No grey market, third party, or used equipment will be considered. Prices quoted in the vendor's response will remain in effect for a period of eighteen (18) months from the time of the contract signing.

Omissions in the proposal of any provision described here in shall not be construed as to relieve the vendor of any responsibility or obligation to the complete and satisfactory delivery, operation and support of any services.

Should the vendor have questions or find discrepancies in, or omissions from this RFP, or be in doubt to its meaning, the vendor shall at once notify South Pike School District. All questions should be addressed to Nancy D. Wallace as outlined below. The preferred mode of contact is via email.

Nancy D. Wallace
Technology Coordinator
South Pike School District

Questions must be submitted to the email address nwallace@southpike.org. If a response is not received within 24 hours, it is the responsibility of the respondent to call Nancy D. Wallace at 601-783-4220 to confirm receipt of the question.

Bid Submission Instructions

Bids will be opened at 10:00 a.m. on Tuesday, February 24, 2015, in the Conference Room of the South Pike School District Admin Office Building, 250 W Bay Street, Magnolia, MS. (Also known as the Harry C. Frye Administration Building)

Bids must be submitted in a sealed envelope clearly marked as follows:

“E-Rate Wireless Infrastructure Project for South Pike School District”

Envelopes not so marked will remain sealed. The South Pike School District Board of Trustees reserves the right to reject any and/or all bid and waive any informalities.

The first page showing in the bid submission packet must be Bid Worksheet beginning on page 16 of this document. The worksheet is broken down by school to facilitate the new E-Rate C2 Requirements. Failure to comply may result in bid disqualification.

Bids must include the following:

The “Bid Worksheet” (Page 16) completed and signed by the bidder. Note, the “Bid Worksheet” is divided by school to accommodate the new E-Rate budget requirements. Bidders must complete the worksheet with pricing by individual schools.

(THE BID WORKSHEET MUST BE THE FIRST PAGE IN THE BID SUBMISSION DOCUMENTATION)

Required Documents listed on Page 22.

It is the sole responsibility of the respondents to ensure their responses arrive in a timely manner. Late arrivals will be rejected. The South Pike School District is not responsible for delays of any commercial carrier or delays incurred by the respondents. Oral, telephone, or electronically transferred bids will not be considered. Signatures on the proposals must be in longhand and executed by a principal duly authorized by the vendor to make a contract.

Questions

Questions must be submitted to the email address nwallace@southpike.org. If a response is not received within 24 hours, it is the responsibility of the respondent to call Nancy D. Wallace at 601-783-4220 to confirm receipt of the question. All questions and responses will be posted within 24 hours on the district’s web site. It is the sole responsibility of the respondent to visit this page prior to bid submission to ensure they have the latest information.

Certificate of Responsibility

1. Each bidder submitting a bid in excess of \$50,000 on public projects must show on his bid and on the face of the envelope containing the bid, his Certificate of Responsibility Number, as required by Section 31-3-5 and 31-3-21 (latest edition) Mississippi Code of 1972. If the bid does not exceed the amount of \$50,000 on public projects, a notation so stating must appear on the face of the envelope.
2. When multiple contractors submit a joint venture bid in excess of \$50,000.00 on public projects, a Joint Venture Certificate of Responsibility Number is required on the bid and face of the envelope. If the Joint Venture has no Joint Venture Certificate of Responsibility number, then each member of the Joint Venture must indicate their individual Certificate of Responsibility numbers on the bid and on the face of the envelope.
3. Each subcontractor whose Subcontract exceeds \$50,000.00 on public projects shall have a Certificate of Responsibility Number, as required by Section 31-3-15 and 31-3-21 (latest version), Mississippi Code.
4. No bid will be opened, considered or accepted unless the above information is given as specified. Sufficient evidence that said Certificate of Responsibility has been issued and is in effect at the time of receiving bids must be submitted when required by the Owner. Likewise, it shall be the responsibility of the Prime Contractor to require a Certificate of Responsibility Number from any subcontractor where applicable.

Evaluation Methodology

The South Pike School District Board of Trustees will award a contract based on the vendor submission that best meets the needs of the school system with regard to the current Technology Plan, future growth, RFP specifications, and not necessarily the lowest price even though price will be the priority factor. The following factors will be considered when evaluating responses:

- Price, based on 5 year cost of ownership estimate (to include base price, renewal fees and additional support fees.
- Preference will be given for prior positive experience with the Vendor
- Preference will be given to Mississippi based vendors
- Preference will be given to Vendors approved for MS Express Products List
- Preference will be given for vendors proposing the use of Wireless Systems in which the System manufacturer offers a limited lifetime warranty with lifetime being defined such that the lifetime of the devices will be no less than 5 years from the date of the installation.

Vendor Qualifications

The South Pike School District may make such investigations as deemed necessary to determine the ability of the bidder or subcontractors or suppliers to perform the work, and the bidder shall furnish to the South Pike School District all such information and data for this purpose as the South Pike School District may request. The South Pike School District reserves the right to reject any bid if the evidence submitted by or investigation of such Bidder fails to satisfy the South Pike School District that such bidder is properly qualified to carry out the obligations of the contract and/or to complete the work contemplated therein within the time required.

The bidder is specifically advised that any person, firm or other party to whom it proposes to award a subcontract or purchase order under this contract must be acceptable to the South Pike School District.

The successful vendor (contractor) must have or be certified with the following:

- Be able to supply all products and services.
- Be an authorized dealer in the State of Mississippi for all products.
- Have current liability insurance and workers compensation insurance (please enclose a copy of each with your bid).
- Participate in the mandatory site walkthrough that will be held on Thursday February 5, 2015, at 9:00 am. Any bid submitted by a vendor who does not complete the mandatory walkthrough will not be opened. There will be no exceptions.
- Provide an E-Rate SPIN

Financing

This project will be subsidized by the E-Rate program and is therefore subject to funding availability and contingent upon E-Rate funding.

Disqualification of Bidder

The South Pike School District reserves the right to award to other than the lowest bidder when, in the judgment of the district administration, it is in the best interest of the district do so. A Bidder may be disqualified for such reasons as:

1. Bidder's failure to comply with requirements regarding Certificate of Responsibility.
2. Bidder's failure to sign Bidder's Proposal Form or to otherwise properly complete the Proposal Form.
3. Bidder's failure to attend and complete the mandatory site walkthrough.
4. Bidder being in litigation with the South Pike School District.
5. Bidder having defaulted on a previous contract.
6. Bidder having preformed unsatisfactorily on a previous contract, including but not limited to the Bidder's failure to fulfill the warranty obligations of a previous contract with the South Pike School District.
7. Bidder's failure to include documentation for required certifications and authorizations.

The above is not an inclusive list.

The South Pike School District will strictly adhere to the rules and regulations of the E-Rate program when evaluating bid responses.

Equipment and Installation Specifications

Cabling for Access Points

All cable and cabling components including jacks and patch panels used in this proposal will be Category 6 rated.

- Bid must include cabling and all necessary components (patch cables, patch panels, jacks and mounts, crimp ends, etc). Cabling (and all related components) must be priced out as a separate line item.
- Two Cat 6 PINK cables must be pulled for each proposed access point.
- Current cables and patch panels may not be used for this project. If the rack in the IDF or MDF is not large enough to accommodate the additional Cat 6 Patch Panel, the South Pike School District will be responsible for installing a larger rack.
- The South Pike School district will be responsible for providing sufficient POE switch ports to accommodate the installation of the proposed equipment at the locations indicated on the attached building diagrams
- Bid must include cost of labor and installation.
- Any cables run by the vendor will be terminated into a patch panel and labeled indicating the AP to which it attaches using naming convention already in place at South Pike School District.
- Any power injector used by the vendor in their solution must meet the standards of the AP manufacturer for the AP being powered.
- Must be capable of being powered via 802.3af POE. The district POE switches will be 802.3af switches.
- Patch cables from the patch panel to the switch will be PINK, Cat 6 cables and will be provided by the vendor.

Wireless Infrastructure

The South Pike School District is requesting an all-inclusive solution including all applicable taxes, shipping costs, installation of equipment, configuration of equipment, any necessary cabling, training, technical support and trash removal, and represent complete installation and integration with the existing network where necessary. All equipment included in vendor's proposal must be new equipment purchased from an authorized reseller. No grey market, third party, or used equipment will be considered. Prices quoted in the vendor's response will remain in effect for a period of eighteen (18) months from the time of the contract signing.

WLAN Management Software

- Must support all proposed access points.
- Must be able to reside onsite, in the public cloud, or the private cloud
- Must support extensible licensing (adding of additional access points over time)
- Must be able to manage multiple versions of the OS
- Must support multicast video delivery across WLAN
- Must support multiple types of access, to include authenticated and non-authenticated access.
- Must be able to change channels or adjust power levels on multiple nearby access points in a coordinated fashion in order to restore Wi-Fi coverage in the event of a failed access point.
- Must have management system compatible with 802.11ac and should be backward compatible with a/g/n.
- Bid must include cost of configuration and installation of the Wireless Management System and 16 hours of training on configuration and maintenance for the South Pike School District Technology Department.

Indoor Access Points

- Must be Enterprise Grade AP using Enterprise class dual band (2.4Ghz and 5 Ghz) radios for maximum performance and coverage
- Must provide Dual Ethernet Ports with link Aggregation
- Must have USB Interface
- Must have a TPM Chip - (Tamper Protection Module)
- Must support Cooperative control (Mesh) without additional hardware
- Must provide deep packet inspection and application visibility - NOT URL MAPPING
- Must include a console port for Manageability, Configuration, and Troubleshooting
- Must be 3x3:3 stream MIMO providing 802.11ac/n
- Must provide advanced radio resource management
- Must support authentication with the District's Active Directory server either directly or through LDAP or Radius connections for authentication.
- Must support 802.11ac.
- Must support bi-directional band steering (ability to move clients from 2.4Ghz to 5Ghz band and 5Ghz to 2.4Ghz band)
- Must operate, without limitations, on 802.3af switches and 802.3at switches
- Must offer manufacturer limited lifetime warranty as previously described

Outdoor Access Points

Dual band concurrent (2.4GHz and 5GHz) 802.11ac (2x2:2) MIMO and Must have a 10/100/1000 Ethernet port

Autosensing 10/100/1000 Base-T Ethernet POE (Power over Ethernet 802.3at) Port

Must be enterprise-grade, high performance product, designed for high bandwidth outdoor wireless environments

Must provide support for 802.11ac as well as legacy 802.11a, b, g and n clients

Must provide concurrent 802.11a/n/ac and 802.11b/g/n connections with no degradation in performance

Environmental Compliance – IP 67 rating required

Operating Specs -40 to + 55C

Trusted Platform Module (TPM)–Hardware-based key storage and encryption

Granular user profile-based management

Wi-Fi CERTIFIED WMM

Supports 802.3at PoE power or 12VDC

Supports full layer 7 Application Visibility and Control

District Responsibilities

- Provide rack space for patch panels used for installation
- Clearly mark all IDFs and MDFs
- Provide IT personnel during the installation process to answer questions and make needed decisions.
- Any responsibility specified for the district elsewhere in this document.

Vendor Responsibilities

- Install all proposed Access Points, Cabling, Patch Panels.
- Terminate all cables on both ends
- Provide Cat 6 PINK Patch Cables to connect Access Points to the district switches.
- Provide power supplies if the chosen termination IDF does not have POE switches.
- Train designated district IT personnel to configure SSIDs and VLANS, update and maintain the system.
- Attach PINK Cat 6 patch cables provided by the vendor from the patch panel to the district switches
- Any responsibility specified for the vendor elsewhere in this document.

Current Equipment

- All current equipment will remain the property of the South Pike School District regardless of its use or non-use in the successful proposal.

Current Network Bandwidth and WAN Configuration

- Each building on each campus is connected via 1GB fiber optic multimode cable. Some buildings have traffic dispersed over multiple 1GB connections. Each campus is connected to each other via a switched 1 Gig fiber optic WAN.
- Currently, the district has a 100 Mbps Internet connection that services the entire district from the district office.
- Internet traffic is filtered and regulated by devices located at the district office.

E-Rate

This proposal request is for services to be subsidized under the Universal Services E-Rate Program for Schools and Libraries. No purchase order will be issued, no installation will occur and no services will be provided until approval of the form 471 application that is issued as a result of the proposals being submitted in response to this request.

Heat Map

Proposals shall include HEAT Map or similar site survey of proposed access point placement and coverage area.

Right to Reject

The South Pike School District reserves the right to accept or reject all proposals or sections thereof when the rejection is in the best interest of the school system. The South Pike School District reserves the right to remove any portion of the project due to financial limitations. The South Pike School District reserves the right to award without further discussion. Therefore, responses should be submitted initially with the most favorable terms the vendor proposes. The South Pike School District reserves the right to reject the proposal of a vendor who has previously failed to perform properly or completed on time contracts and to reject the proposal of any vendor who in the opinion of the South Pike School District Board of Trustees, is not in a position to adequately perform the contract. The South Pike School District Board of Trustees reserves the right to reject any and all proposals, any part or parts of a proposal, waive any technicalities/informalities, increase or reduce quantities, make modifications or specifications, and award any or the entire contract in a manner that is in the best interest of the South Pike School District. Contracts will be awarded to the vendor submitting the proposal determined to be in the best interests of the South Pike School District.

SITE VISIT INFORMATION FORM

(Type or Print ONLY)

(Vendors should bring this completed to the site visit)

Company Name	
Address of Home Office	
City of Home Office	
State of Home Office	
County of Home Office	
9 Digit Zip Code of Home Office	
Phone Number of Home Office	
Federal EIN	
E-Rate SPIN number	

Contact Name _____

Contact Phone Number _____

Contact Email Address _____

<i>Campus Breakdown</i>	
Site	Minimum Number of Access Points
Eva Gordon Lower Elementary	32
Eva Gordon Upper Elementary	27
Osyka Elementary	29
South Pike Junior High	30
South Pike High School	42
SP Career and Technical Center	13
SP Administration Office	2
SP Braswell Complex	2
Technology Department	1

By signing below, the vendor acknowledges that the prices listed on this sheet are the prices being bid for this project and that the vendor understands that portions of this Project may be funded from E-Rate Funds. This project is subject to funding availability and contingent upon E-Rate funding.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

BID WORKSHEET

PRICING INFORMATION (By School)

(THIS DOCUMENT MUST BE THE TOP PAGE OF YOUR SUBMISSION)

You may submit a standard quotation for EACH location rather than using this worksheet. **THEY MUST BE SEPARATED** into the 4 locations with a total for each. In either case you **MUST FILL IN THE TOTAL PRICE FOR THE ENTIRE E-RATE ELIGIBLE PORTION OF THE PROJECT BELOW.**

PROJECT TOTAL PRICE _____

(This is the total of all campuses and facilities in the south Pike School District)

Bid Worksheet - (School Site / Building Location)

Manufacturer Part Number	Description (Including Name of Manufacturer)	QTY	Unit Price	Extended Price
Total for This Site:				

Additional Costs

Management Software _____

Installation and Configuration of all Equipment & Software _____

Licensing _____

Training _____

Other Costs _____

All Inclusive Total Bid For Project for All Sites _____

Required Documents

Current liability insurance and workers compensation insurance

Completed Reference Forms (page 23)

Documentation of the vendor's wireless certifications.

Technical Specifications of the proposed hardware and software.

Coverage survey or heat map for all campuses.

Certificate of Responsibility as described (page 5)

References

Name of Client / Company	
Contact Name	
Contact Phone Number	
Contact Email Address	
Description of project	

Name of Client / Company	
Contact Name	
Contact Phone Number	
Contact Email Address	
Description of project	

Name of Client / Company	
Contact Name	
Contact Phone Number	
Contact Email Address	
Description of project	