



ELMORE COUNTY BOARD OF EDUCATION

100 H.H. Robison Dr.
P.O. Box 817
Wetumpka, AL 36092

Phone: 334-567-1200
Fax: 334-567-1405

Richard E. Dennis, Superintendent
Jason M. Mann, CSFO

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RFP 25-001 - ADDENDUM #4

BUYER: Elmore County Public Schools

INVITATION TO BID: Network Switches, Access Points, Network Cabling & Installation with Support Services AS NEEDED

Notice to bidders. You are hereby notified of the following changes in the plans and specifications, which shall take precedence over anything published prior to this date.

2025 Pre-Bid Meeting & Walkthrough Discussion

Vendor Questions

- ECHS – Fiber ran from school to band room will not be needed (**Remove from RFP**)
- Can we get floor plans? - **Floor plans attached**
- MDF/IDF locations- **Document attached.**
- Switch counts at each closet - **Document attached.**
- Bid bonds asked about who needs to have the 100% and the 50% - **The awarded vendor**
- Asked about Fiber being single mode or multi-mode - **Single Mode Fiber**
- Asked about OM3 patch cables on the bottom of page 21- **Use OM3 or twinex where stacking cables are not applicable**
- Need breakdown of phones and camera drops that are not eligible for Erate. **Sheet attached**
- Asked should the jack above ceiling be in a box or not? **No box**
- Identify locations that need a lift. **Tech Office Warehouse only**
- Asked “How many switches should be Layer 3 and how many should be Layer 2.” **Just the top switch in each MDF should be Layer 3 with modular power supplies.**
- Asked about full POE 30-watts or 15 watts across all ports. **Full PoE across all ports**
- Do we need any higher than 30-watt POE for high density AP’s? **No**
- Asked about faster than 1GB ports needed for faster connection (2.5GB). **Prefer one multigig switch in the MDF and in the IDF’s.**
- Asked how big our internet pipe is? - **5 Gig**
- Asked to describe Access Points features and capabilities - **Wi-Fi 6e capability 2x2 or 4x4 MiMo**
- Asked about separate patch panels for each data/phone/AP/camera drop - **Separate patch panels are not needed but they will need to be color coded per our specs (sheet attached).**
- Asked if we want network cards in our UPS or not - **Network card is preferred**
- Asked where to bring old switches and Access Points - **bring to 809 Micanopy St. Wetumpka (IT Warehouse)**
- How many people will need to be trained on the AP’s - **At least 3**
- In the schools that are not being rewired are we reusing the current fiber patch cables or new ones - **New stacking cables will be required, can reuse fiber patch cables if applicable.**

- If reusing, what type of fiber patch cables are they? **LC OM3**
- Asked if we reusing SFP's? **New SFP's will need to be provided.**
- Asked what Firewall we use - **a managed service**
- Still would like to know what brand of Firewall - **Would have to get that information from the company that manages our WAN.**
- Asked what type of drops at The EDGE (keystone/crimp on) - **5 crimp on ends 30 keystones**
- Asked if Layer 3 switch needed in all closets or just the MDF - **Just at the MDF**
- Is interlocking armor on the fiber necessary or not - **It is not**
- Asked if Rack mount or standing UPS were wanted. **Rack mount preferred**
- Asked how routing is being managed for voice and data - **Routing is handled by Uniti as a managed service**
- Asked how do we want switches stacked, front stacking or back stacking, 10 Gig? **A minimum of 32 Gig backplane stacked (back stacking).**
- Asked what model Access Points we are currently using other than Ruckus - **Aruba 515 and 535**
- Asked how many strands of fiber terminated between closets/IDF's - **All strands**
- Asked does the conduit for drops need to be painted **No paint required**
- **Add WHS field house to the bid**
- Asked where our internet connection leaves out - **Uniti NOC and RSA Tower**
- Are we doing 10G connections from MDF's to IDF's - **10 Gig connections from MDF to IDF's unless 1Gig is the only option (like the small 8 port or 12 port IDF's)**
- Is it 10G from the MDF to the core - **At the high school locations only, middle, and elementary are 1gig**
- Will we be having fiber installed at ECHS to band room? **Fiber run for ECHS band room needs to be removed from RFP**
- If overhead fiber is required, is there a structure or pole in place? **Structures, awnings, and poles are available**
- How many color-coded keystones at each location? **Color coded sheet provided for reference (4 colors)**
- Will we offer switch configurations for current switches? **Switch configurations can be provided to the awarded vendor**
- Please send us the floor plans for the eight locations that need cabling and wiring. Confirm that these eight locations already have adequate wireless designs that correctly specify the placement of the new access points and their new network drops. If wireless designs are not done, indicate whether you need formal wireless designs done for these eight locations. **School maps showing MDF and IDF locations will be attached. Wireless design is not needed. Vendors will be replacing currently installed access points not new locations**
- Confirm that a lift is not needed for the installation of any access point, except at the warehouse. Confirm that a lift will be available for the installation of that one access point. **Lift is only needed at IT building and will be provided by the school system**
- Confirm that we can use all existing fiber jumpers and copper wire patch cables in the eleven middle and elementary schools that do not need new cabling done. **New stacking cables will be required, you can reuse fiber patch cables if applicable**
- Confirm that all equipment racks that need to have new UPS installed in them have at least two RU available for the UPS. Give us a list of the racks that do not have this available space for the installation of a rack-mounted UPS and need floor-mounted UPS. **Confirmed**

- Give us the number of IDFs and MDFs per location. **Sheet attached**
- Confirm that all IDF-to-MDF connections inside each location with multiple wiring closets will be 10 GBPS over single mode fiber **Yes, 10Gig over single mode (some are eight port/12 port switches have 1 Gig connectivity back)**
- Confirm that all eighteen remote building-to-school system core connections will be over a single pair of single mode fibers and that all connections will be at 10 GBPS capacity. **The WAN is a managed service and is not being replaced nor are we requesting pricing for such services in this RFP**
- Confirm that there will be a new core switch needed at the network core (Technology office data center) to connect over 10 GBPS Ethernet and single mode fiber to each of the eighteen remote locations, and to the Technology office network. (If a new core switch is not required, please specify the interfaces on the ports of any existing school system core switch and confirm that this switch will have at least nineteen 10 gigabit fiber interfaces available for connection.) **The WAN is a managed service and is not being replaced nor are we requesting pricing for such services in this RFP**
- Confirm that the district's connection to the internet is located at the Technology Office data center, where the connections from the nineteen building networks terminate in a core switch **The WAN is a managed service and is not being replaced nor are we requesting pricing for such services in this RFP.**
- If a new school system core switch is required, specify the desired/required capacity of the connection between the new district core switch and the Internet Firewall. Confirm that the district Firewall is in the same Technology Building/Technical Center location as the new core switch. **The WAN is a managed service and is not being replaced nor are we requesting pricing for such services in this RFP.**

Network switches

- You ask for 'full PoE+ across all Ethernet ports. Confirm that this is a requirement to have any of the 24 or 48 payload ports provide 30 watts (802.at standard) when needed, and not a requirement to have all payload ports provide the full 30 watts at the same time. **Switches need to be PoE+ and able to provide up to 30 watts of power to each port ensuring a minimum power output of 25W per port. This is the PoE+ standard.**
- Give us a list of the number of switches required per wiring closet in each of the nineteen locations. **Sheet attached**

UPS

- **Specify whether you need remote monitoring of the status of your UPS (network cards installed in the UPS) Yes, network cards are preferred.**
- **Added 50 drops over last year's QTY**
- **What is the crimp end / punch down breakout of the 50 new drops**
- **50 addition drops at WHS**
 - **20 Crimp ends**
 - **64 Keystones (punch down)**
- **The EDGE (Old WJHS)**
 - **The 35 cat6 drops do not have a crimp end/punch down breakout**
- **The EDGE drops**
 - **5 crimp on ends**
 - **30 keystones (punch down)**
- **ECTC**
 - **No length for the fiber run listed**

- **The 84 cat6 drops do not have a crimp end/punch down breakout**
- **ECTC drops**
 - **500-600 ft fiber run**
 - **22 crimp on ends**
 - **64 Keystones**
- “Do you want the basic 120v (3000VA) UPS or the 208V version of the (3000VA) UPS?” **120V will suffice**
- “Does the 3000VA and 1500VA need to be expandable?” **They do not need to be expandable**
- “Do you want a standard UPS or lithium-ion version?” **Standard alkaline version**
- Plenum ceilings at WHS MDF, will all cabling leaving the MDF need to be plenum rated? **No, only the cables run inside of the library, book room, and library offices will need to be plenum rated. For the cabling coming to the MDF from the outside hallway, enclosed pipes will be in place prior to install date to pull those non-plenum cables through.**
- Can you please explain more about the requirement, “Full PoE+ across all ethernet ports.” Are you looking for a switch to support 30W per port in general or does the switch need to provide 30W on all ports at the same time for a total PoE need of 720W on the 24-port model and 1440 on the 48-port model? **Switches need to be PoE+ and able to provide up to 30 watts of power to each port ensuring a minimum power output of 25W per port. This is the PoE+ standard.**
- What power receptables are in the IDF closets? For example, is NEMA 5-15 the standard power receptacle at a house or in a classroom. **A standard 15-20Amp 120-volt plug**
- It is mentioned that the switch needs to be capable of switch stacking but there are no requirements at school to include cables to stack switches. Should we include those cables and if so, do you have a quantity and by length? **Yes, you should include stacking cables with your switches, quantity should sum up in the attached documents.**
- We do not see any optics being requested in the 470 response. Single Mode Fiber is mentioned in Network Switches. If this is the optic type what is the quantity that is needed to be included in the 470 response? **The number of fiber runs and lengths are discussed in the RFP, please refer to that document.**
- With regards to the access points, is there a minimum number of radios and spectrum streams? **Wi-Fi 6e capability with 2x2 or 4x4 MiMo.**

END OF ADDENDUM #4