Upper St. Clair School District

District Administration Building

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Baker Elementary · Eisenhower Elementary · Streams Elementary · Boyce Middle School · Fort Couch Middle School · Upper St. Clair High School

January 6, 2021
Questions and Answers
Regarding Upper St. Clair School District's PEPPM Mini Bids
for Wireless and Switch Equipment

1. *Will the 60+ switches being quoted be dedicated to just wireless needs or should we assume that LAN traffic will be traversing them, thus requiring some additional configuration for your LAN policy needs?*

   Answer: The switches are just for wireless needs.

2. *You are requesting 1x 10G transceiver for each switch. What is the core switch these will be connecting back to, and do you already have the 10G transceivers for the core side?*

   Answer: The core switch in each building is a Cisco Catalyst 3850 and we have the 10G transceivers for the core side.

3. *Are these switches spread across all 6 schools?*

   Answer: The switches in the bid are across all district schools and buildings (6 schools, Admin Building, and Bus Garage). Only the switches installed in school buildings will be part of the E-rate funding request.

4. *How many switches per school and per closet by school? (Per closet we would need to know for stacking purposes, as DAC cables would be required if the switches will be stacked).*

   Answer: This is the current estimate subject to modification and revision.

Building	Total #
Baker - MDF - (5)	5
District Administration Building - MDF - (5)(no E-rate)	5
Bus Garage - MDF - (1) (no E-rate)	1
Boyce - IDF A - (2), IDF B - (2), IDF C - (2), MDF - (1)	8
Eisenhower - MDF - (2), IDF A- (2), IDF B - (1)	5
Fort Couch - IDF A - (1), IDF B - (2), IDF C - (1), IDF D (2), IDF E - (1), MDF - (1)	8
High School - IDF A - (2), IDF B - (2), IDF C - (2), IDF D - (2), IDF E - (2), IDF F - (1), IDF G - (1), IDF H - (2), IDF I - (1), MDF - (3)	18
Streams - IDF A - (1), MDF - (4)	5
Expansion/Growth with location TBD	5
Total	60

5. *If stacking, would you like the switches to be stacked at 10G or 25G?*

Answer: We do not stack in our current network architecture and would need to know more information if you are the selected bidder.

6. *The switches support two 680w or two 1050w Power supplies. What are your districts POE requirements?*

   Answer: 30 w per port.

7. *Will the district be providing the MMF fiber patch cords? If not, is your MMF 62.5 or 50 micron and what fiber connectors are on each side (LC, SC or ST)?*

   Answer: We will provide the fiber patch cables. The transceiver on the switch needs to be LC.

8. *What length of fiber patch cords do you need?*

   Answer: We will provide the patch cords.

9. *Are the indoor APs spread across all 6 schools? Can you give an estimated breakdown of how many indoor APs per school?*

   Answer: Indoor Access Points are spread across all 8 buildings. We will go into that level of detail with the winning bidder.

10. *Same for the outdoor AP's, looks like the outdoor may be just for 2 schools, but wanted to confirm.*

    Answer: Outdoor APs are for the High School.

11. *The access points do not come w/ mounting hardware. Will they be mounted on 15/16" suspended ceilings, or do you need flat ceiling mounts as well, and if so an estimated number of each?*

    Answer: Most of the Access Points will attach to the ceiling grid. Special Areas, like outdoor, gyms, theaters, cafeterias, have mounting based on their location.

12. *For physical mounting of the AP's, are there any areas that will require a mechanical "lift" to reach the mounting location due to extreme ceiling heights that can't be reached w/ a ladder? (Example gymnasiums, auditoriums, etc.) Maximum mounting height?*

    Answer: There are some locations where you will need a lift, for example, the gymnasiums.

13. *Due to the expense of adding external antennas to the outdoor AP's and the risk of antenna breakage outdoors, would you be open to outdoor AP's with integrated antennas?*

    Answer: Yes.

14. *If so, based on the areas you need coverage, would you prefer directional internal antennas (focused beam) or Omni antennas to cover large outdoor gathering areas?*

     Answer: Directional antennas.

15. *Can we add lines to the mini bid to itemize for Erate purposes?*

     Answer: If there are additional line items necessary to provide a response to the mini bid request, you may add lines.

16. *Can you describe level of installation needed? Will USC be doing any of it? I am assuming these bids are for multiple schools in the District.*

     Answer: Vendor is responsible for physically mounting the APs & Switches. In addition, vendor is responsible for configuration based upon USC network design.

17. *Are the environments ready? Racks, wiring, power, etc.?*

     Answer: Yes.

18. *What is scope of deliverables? Serial number, location, model, etc.?*

     Answer: We will barcode and assign each access point or switch to a location. We will provide a map. In addition, we will have staff onsite to supervise installation and answer any questions. Vendor will physically mount/install all equipment and the configuration needed to operate successfully on the District network.

19. *When is installation going to happen?*

     Answer: June 2021 is planned but is subject to revision.

20. **Answer**: *Is the switching just for the AP's?*

     Answer: Yes.

21. *Can we pull existing configs? Switching/Wireless?*

     Answer: Yes.

22. *Are you looking for dual power supplies?*
     Answer: Not required, but if you believe that is the best solution, then include it in your bid.

23. *AP's Are most standard install? Ladder, lift out ceilings, etc.*
Answer: Yes. You will need ladders (most are ceiling grid mounted). You will need a lift for the gymnasiums.

24. *Do we need a lift? Or Bucket Truck? For inside or outside install.*
Answer: You will need a lift and/or bucket truck.

25. *Security level - How many pre-shared keys?*

Answer: This will be part of the configuration planning with the winning bidder.

26. *How many SSID's?*

Answer: This will be part of the configuration planning with the winning bidder.

27. *802.1x or captive portal?*

Answer: This will be part of the configuration planning with the winning bidder.