

# RFP: Wireless Access Points Upgrade

## Questions & Answers

1. Is Cat 6 to be used plenum or riser rated? **Riser**
2. Are the APs to be used AeroHive 550 for interior & exterior locations or equivalent? **550 for interior only. Model 245X would be used for exterior locations along with appropriate outside enclosure and antennas.**
3. Please confirm that we not to supply any network equipment at the IDF locations? **The District will not be providing any parts. Vendor must provide patch cords and patch panels, jacks and faceplates if needed**

Additional information to support question #3: Parts needed to purchase for project.

Approximate Qty	Existing Product #	Description
20	MX-PNL-24	Patch Panel
281	MX-FP-S-02-02	Face Plate
1082	MX6-K-06	Cat6 Jack
541	MC6-03-06-28	3' Patch Cable for IDF & MDF
541	MC6-XX-06-24	Patch Cable for AP's. Length varies depending on placement of AP in the Room. XX represents length.

- 9C6R4-E3-(XX)-RXA Riser Cable
  - Not including exterior face plates or exterior enclosures.
4. Are we to supply any patch cables for the APs or IDFs, if so who is responsible for patching? **Vendor is responsible for all patch cords and patching.**
  5. The pricing sheet asks for total costs but not quantities. Are all bidders required to bid the quantities requested? If not, how will the district be able to compare the pricing for different quantities? **Please quote for the quantities listed**
  6. 130 AP's for 12 schools. To provide specific bid for each school how should the 130 be allocated per school. Which school is getting 0? **130 for 13 schools. 10 per school. Include itemize pricing for potential quantity adjustments.**
  7. 281 AP's for 5 secondary schools. To provide specific bid for each school how should the 281 be allocated per school. **Replace all existing AP's "One for One"**
  8. Should the cable drop labor and materials be allocated to match the indoor and outdoor counts per school? That will result in 822 drops (2 \* 411). **281 AP's already have one cable. Vendor needs to provide a second cable to these APs. Exterior AP's also need 2 cable run.**

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9. For the heat map for 13 school locations is this to include the areas where AP's were installed (5 schools inside and out and 8 schools outside) or a different scope? **All 13 schools will need a heat map. It is expected that these heat maps will be generated utilize AeroHive's heat map solution. The district will provide floor plans / site maps.**
10. For the outdoor AP's;
  - a. How many will need to be secured to a flat surface? **This will depend on the Vendors design**
  - b. How many will need to be secured to a pole? **This will depend on the Vendors design**
11. Do you require a dedicated radio for RF optimization and enhanced security? **No**
12. Do you require the wireless solution to provide traffic shaping to limit non-business critical applications? **NO**
13. Do you require HotSpot 2.0 based on IEEE 802.11u? **NO**
14. Do you require the solution to offer a RF spectrum graph visually showing RF interference and channel utilization? **YES**
15. Do you require the training to be onsite or remote? **On Site**
16. Is there capacity on the switching equipment for the requested quantity of AP's? **Yes there will be enough capacity.**
17. Will bids with less than 4X4:4 radios be accepted? **No, please quote the same model (or equivalent) as listed in the RFP.**
18. If less than 4X4:4 is allowed, what is the minimum requirement? **n/a**
19. Can the district provide site maps with the IDF locations and desired Exterior Wireless coverage per site, so that all contractors can estimate equally the distance for each cable run to each Exterior and Interior AP? **No, the District cannot provide.**

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20. Can the district confirm that at the 5 secondary schools where a new Wave 2 AP's will replace an Existing AP's, that there is already (1) Cat 6 cable in place at these existing locations and Contractors will be adding a 2<sup>nd</sup> Cat 6 cable to support the new Wave 2 AP? **Yes, there is one cat6 cable in place.**
21. Can the district confirm that there is adequate space on existing patch panels at all sites for the addition of new Cat 6 cabling? Or should contractors include new 24 port modular patch panels for each IDF and MDF locations at each site? **The District uses Siemon modular jack MX6-F(XX). Most locations will have empty slots on the patch panel. If no slot is available, vendor will need to provide MX-PNL-24 patch panel.**
22. Can the district confirm for equal bidding purposes that all underground and overhead pathways exist for Interior Wireless Access Points Cat 6 runs? Contractors will assume in their scope of work all building penetrations for Exterior AP's. **No**
23. Are Siemon's MAX Series Cat 6 Modular Patch Panels the patch panel manufacture installed district wide for IDF and MDF locations for the addition of new Cat 6 jacks? **Yes**
24. Will there be any Exterior and Interior AP's needed for the District Office and Bonita Center of Arts? If so what quantity of AP's and Cat 6 cables will be needed at both sites? **NO**
25. The RFP calls out 281 Interior AP's between the 5 secondary schools with (1) additional Cat 6 cable being installed at each AP and 130 Exterior AP's needed between 13 schools with (2) Cat 6 cables being installed at each AP. That will total 541 Cat 6 Cables. Can the district confirm this is correct? **Yes, 541**