



PERRIS UNION HIGH SCHOOL DISTRICT

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RFI No. 1

E-RATE Bid 022118 - Installation and Wiring of District Provided Access Points February 7, 2018

1. **Contractor RFI:** Confirm number of Wireless Access Points to be installed at each site since documentation has contradictions.

District Response: Total Access Points to be installed: 65

- Paloma Valley: 21
- Perris High: 13
- Perris Lake: 3
- Academy: 1
- Pinacate: 9
- Heritage: 12
- California: 6

The published heat maps with AP locations are accurate to the count of APs.

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2. **Contractor RFI:** Will contractor be expected to paint exposed conduit?

District Response: No. The conduit will not require painting.

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3. **Contractor RFI:** APs require 2 CAT 6A connections on a 2-port biscuit with 2 CAT 6A patch cords connected to the AP. Does the client require 2 CAT 6A patch cords on the panel side? Is Contractor Responsible for providing them? Does Contractor patch them in?

District Response: Per the scope of work, the contractor shall "provide and install a complete, fully operational, and tested, system". This includes but is not limited to: cables, cable supports, conduits, termination equipment, punch blocks, patch panels, patch cords, device outlets, ladder runway, backboards, equipment racks, equipment cabinets, enclosures, terminal cabinets, equipment grounding, and any other related items shall be furnished and installed complete under this section, such that the system shall perform all functions listed herein in compliance with all of the specified requirements.

Per the scope of work, the contractor will provide the patch cables on the panel side and connect them to ensure a fully operational and tested system is delivered. So the answer to this question is yes, the contractor is expected to perform this function.

4. **Contractor RFI:** Scope requires corner mounting brackets that do not exist for the Meraki MR72. Will the district be providing a custom solution or alternative?

Answer: We are unable to furnish corner mount brackets. All corner mount APs will become flat mount APs

5. **Contractor RFI:** Cables are to be placed on a 2 port biscuit then 2 1' CAT 6A patch cords connect to the WAP. How would you get the biscuit in the conduit?

District Response: Biscuits can be placed on the interior of the building before going into conduit, or can be placed within a weatherproof gangbox at the location of the WAP.

6. **Contractor RFI:** Is the above CAT 6A cable plenum? Shielded? Indoor/outdoor osp?

District Response: All CAT 6A cable that is exposed outside (not in conduit) needs to be outdoor rated. Interior cables must be Plenum rated. Shielding is not required.

7. **Contractor RFI:** The placement of some of the outdoor WAPS: On several schools they were specified to be on the posts in front of the school, completely away from where its logical to run the cabling. This is not entirely impossible but it comes at a great cost and it would take a lot of exposed conduit on the facade of the beautiful new buildings. In one school, I believe it was the Pinacate or middle school, AP that is facing the court yard is specified to be on a post away from the building where it would be very difficult to get to from the building. This post is 30ft high and getting the conduit there for the cable would most likely require trenching. This WAP is supposed to be mounted at about 25ft height. We would like the district to revise placement of several WAP's to alternate locations where it would provide adequate objected coverage and not needing exposed conduit ran over new building facades. Additionally, in several schools WAP's are specified to be mounted facing down. From the technical point of view, Outdoor WAP's with Omni directional antennas (Due to the way they are polarized) should be mounted in vertical position and placed at maximum height of 15-17ft for optimal coverage.

Answer: AP placement due to restrictions on the corner mounts and issues with locations of mounting, such as on brick columns, will be reviewed and approved through RFP if signal coverage is not compromised or impeded. Additionally, we understand the limitations of AP height and are open to evaluating any need to adjust their location by the same RFP process. Face-down APs will remain unchanged without additional factors to installation.

8. **Contractor RFI:** Would you be willing to remove BICSI Certification requirement?

District Response: The BICSI certification will not be waved.

Respectfully,
Nick Newkirk, Director of Purchasing
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