

E-Rate Cat-2 2019 Equipment Requirements

Site: Pahrump Valley High School

501 E. Calvada Blvd. Pahrump, NV 89048

WIRELESS

Project Description: Deliver forty-six (46) units of the compatible equipment, all product documentation, mounting hardware for drop-ceiling deployment, list of serial and MAC values, and send out with latest long-term-release firmware installed. In-house IT dept. will deploy and program.

Justification: Entire NCS D wireless infrastructure is Aruba and Aruba Instant controller is used for management. If proposing a product other than our existing infrastructure, please provide an explanation of how this will be implemented and work with our existing deployment and provide a single unified interface for management at each specific site. If certification or training is required to utilize the new equipment, please provide a cost per employee for training and certification.

Old Building – Entrance	Two Story – Ground Floor	Two Story – Second Floor
1. Rm 1	18. Rm 131 JROTC	30. Suite 202
2. Rm 6	19. Rm 132	31. Rm 233
3. Rm 5	20. Rm 127	32. Rm 231
4. Rm 10	21. Rm 124	33. Rm 230
5. Rm 7	22. Rm 125	34. Rm 228
6. Rm 12	23. Rm 122	35. Rm 229
7. Rm 11	24. Rm 121	36. Rm 225
8. Rm 13	25. Rm 109	37. Rm 224
9. Offices – see map	26. Rm 118	38. Rm 221
10. Main Office	27. Rm 116	39. Rm 222
11. Rm 41	28. Rm 115	40. Rm 219
12. Rm 43	29. Suite 103	41. Rm 218
13. Rm 40		42. Rm 215
14. Rm 42		43. Rm 214
15. Auditorium		44. Rm 212
16. Rm 51		45. Rm 210
17. Gym		46. Rm 204

E-Rate Description: Wireless AP Aruba IAP-325-US or equivalent which provides support for both the 5Ghz and 2.4Ghz bands and 802.11a/g/n/ac technologies.

Qty Requested = 46

Vendor Selection

AP Hardware Qty Make and Model Unit Price \$

Add'l Hardware Qty Make/Model/Desc Unit Price \$

Add'l Hardware Qty Make/Model/Desc Unit Price \$

Project Labor Total Cost \$ Or Qty X Unit Price \$

Notes:

Section Total \$

Check here if additional information is attached.

ROUTING

Project Description: Deliver a single unit of the compatible equipment and modules with all product documentation, rack mounting hardware, and all appropriate licensing. The router will require 6 Ethernet 1G SFP modules or ports, 14 1G Fiber modules or ports, and two 10G Fiber modules or ports as described.

Bid to have on-site tech, unbox the unit, mount the rack hardware, update the firmware to the latest long-term-release, load configuration provided by in-house IT staff, and deliver to site MDF. In house IT staff will rack new equipment and decommission old equipment.

Justification: Entire NCSD routing and switching infrastructure is Cisco. If proposing a product other than our existing infrastructure, please provide an explanation of how this will be implemented and work with our existing deployment and any costs required to migrate the network to any non-Cisco standards like OSPF. If certification or training is required to utilize the new equipment, please provide a cost per employee for training and certification.

E-Rate Description: Cisco 4500-X-16SFP+ or equivalent, with add-on port capacity if necessary, with more than 200 Mpps IPV4 routing performance that combines routing and switching capability in a single platform and provides close to 24 ports with at least 2 ports supporting 10Gb SFP with Fiber module, 14 ports supporting 1Gb Fiber, and 6 ports supporting 1Gb Ethernet.

Qty Requested = 1

Vendor Selection

Base Hardware Qty	Make/Model/Desc	Unit Price \$
Add'l Hardware Qty	Make/Model/Desc	Unit Price \$
Add'l Hardware Qty	Make/Model/Desc	Unit Price \$
Add'l Hardware Qty	Make/Model/Desc	Unit Price \$
Add'l Hardware Qty	Make/Model/Desc	Unit Price \$
Add'l Hardware Qty	Make/Model/Desc	Unit Price \$
Project Labor Total Cost \$	Or Qty X	Unit Price \$

Notes:

Section Total \$

Check here if additional information is attached.

SWITCHING

Project Description: Deliver to central staging site twenty-one (21) or more switches, depending on bid cost, of the compatible equipment with all product documentation, rack mounting hardware, and all appropriate licensing. For each switch include at least two 1G Fiber SFP modules, and if switch contains at least 4 SFP ports additionally include two 1G Ethernet SFP modules as described.

Bid to have on-site tech, unbox the units, mount the rack hardware, update the firmware to the latest long-term-release, load with a simple staging configuration that we provide, and deliver to main MDF of school site so In-house IT staff can rack and configure.

Justification: Entire NCSD routing and switching infrastructure is Cisco. If proposing a product other than our existing infrastructure, please provide an explanation of how this will be implemented and work with our existing deployment and any costs required to migrate the network to any non-Cisco standards like OSPF. If certification or training is required to utilize the new equipment, please provide a cost per employee for training and certification.

E-Rate Description: Cisco 2960X-48FPS-L or equivalent that provides close to 48 ports, and includes at least 2 1Gb Fiber modules and possibly 2 1G Ethernet modules, and additionally supports POE IEEE 802.3af (up to 15.4W) on all ports and can support up to 24 ports with 802.3at/POE+ (up to 30W)

Qty Requested = 21

Vendor Selection

Base Hardware Qty	Make/Model/Desc			Unit Price \$
Add'l Hardware Qty	Make/Model/Desc			Unit Price \$
Add'l Hardware Qty	Make/Model/Desc			Unit Price \$
Add'l Hardware Qty	Make/Model/Desc			Unit Price \$
Project Labor Total Cost \$	Or	Qty	X	Unit Price \$

Notes:

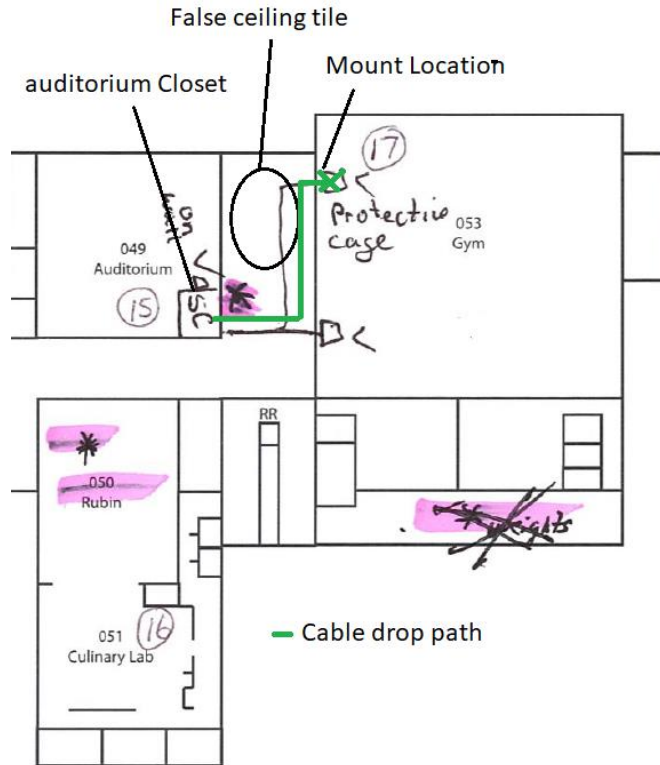
Section Total \$

Check here if additional information is attached.

CABLING DROPS

Project Description: Provide network drop to Gym from switch closet in auditorium, total length less than 200 ft. Cable must pass through concrete wall of Gym at matching height of existing wireless AP. The use of a lift will be necessary. Once the drop is complete and tested, an AP will be mounted to the concrete wall, connected, and protected with a wire cage. The AP, wall mount, and cage will be provided by the in-house IT department.

Qty Requested = 1



Vendor Selection

Supplies	Qty	Make/Model/Desc	Unit Price	\$		
Add'l Supplies	Qty	Make/Model/Desc	Unit Price	\$		
Add'l Supplies	Qty	Make/Model/Desc	Unit Price	\$		
Add'l Supplies	Qty	Make/Model/Desc	Unit Price	\$		
Project Labor Total Cost	\$	Or	Qty	X	Unit Price	\$

Notes:

Section Total \$

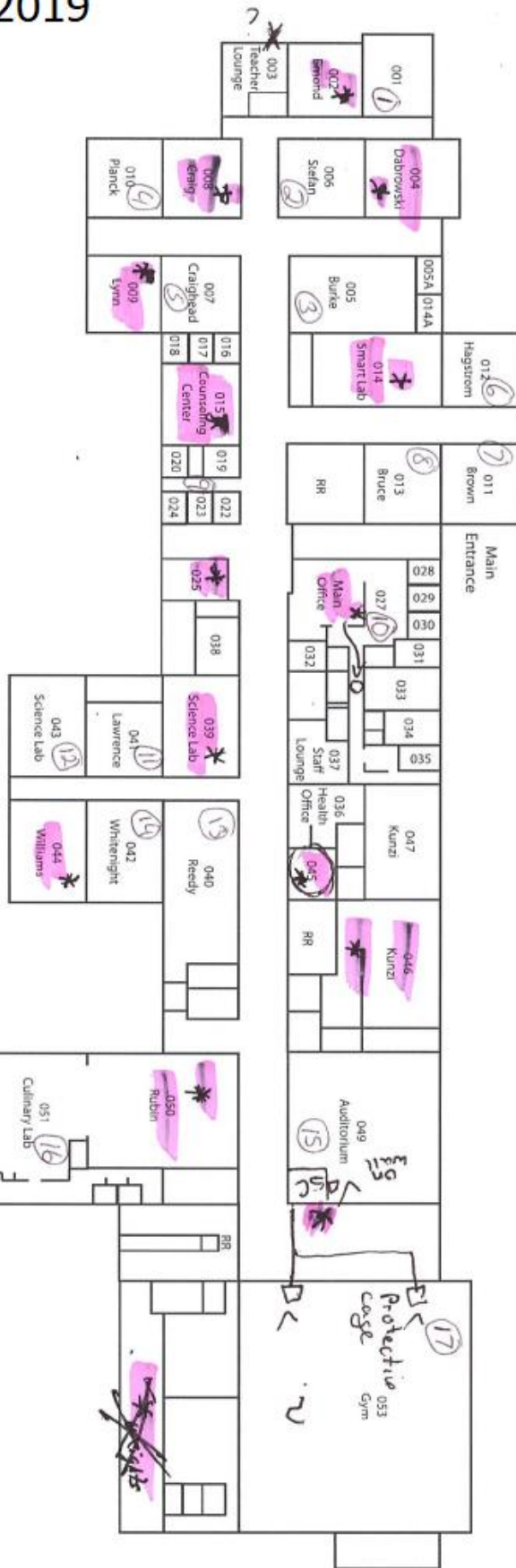
Check here if additional information is attached.

Wireless Project 2019

- ① Rm 2
- ② Rm 6
- ③ Rm 5
- ④ Rm 10
- ⑤ Rm 7
- ⑥ Rm 12
- ⑦ Rm 11

- ⑧ Rm 13
- ⑨ Officers
- ⑩ Main Office
- ⑪ Rm 41
- ⑫ Rm 43
- ⑬ Rm 40
- ⑭ Rm 42

- ⑮ Auditorium
- punch through switch
- closet wall to Aud...
- ⑯ Rm 51
- ⑰ Gym
- needs protective cage
- run line from auditorium closet



Two Story Building - Ground Floor



Two Story Building - Second Floor

