

E-Rate Cat-2 2019 Equipment Requirements

Site: Rosemary Clarke Middle School

4201 N. Blagg road. Pahrump, NV 89060

WIRELESS

Project Description: Deliver twenty-nine (29) 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 NCSD 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.

1. Library	18. Rm E120
2. Staff Area	19. Rm E116
3. Kitchen and Student Area	20. Rm E107
4. Mod 101	21. Rm E102
5. Mod 201	22. Rm D129
6. Mod 306	23. Rm D124
7. Mod 407	24. Rm D120
8. Mod 509	25. Rm D116
9. Mod 612	26. Rm D107
10. Rm F129	27. Rm D102
11. Rm F125	28. Rm H107
12. Rm F120	29. Rm H115
13. Rm F116	
14. Rm F107	
15. Rm F102	
16. Rm E129	
17. Rm E125	

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 = 29

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 2 Ethernet 1G SFP modules or ports, 18 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 to meet port requirements, 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, 18 ports supporting 1Gb Fiber, and 2 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 Thirteen (13) 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 = 13

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 drops to new AP locations to nearest network infrastructure site, punch down to new patch panel if necessary, and terminate into biscuit jack in ceiling, which will be mounted to any nearby structural component above the ceiling tile. Drops must contain extra length neatly coiled above the ceiling tile.

* **Drop Locations:** Numbers do not reference Map – go by room number.

Qty Requested = 26

1. Mod 101	15. Rm E125
2. Mod 204	16. Rm E120
3. Mod 306	17. Rm E116
4. Mod 407	18. Rm E107
5. Mod 509	19. Rm E102
6. Mod 612	20. RmD129
7. Rm F129	21. Rm D124
8. Rm F125	22. Rm E120
9. Rm F120	23. Rm E116
10. Rm F116	24. Rm E107
11. F Center Hallway	25. Rm E102
12. Rm F107	26. Rm H107
13. Rm F102	
14. Rm E129	

Vendor Selection

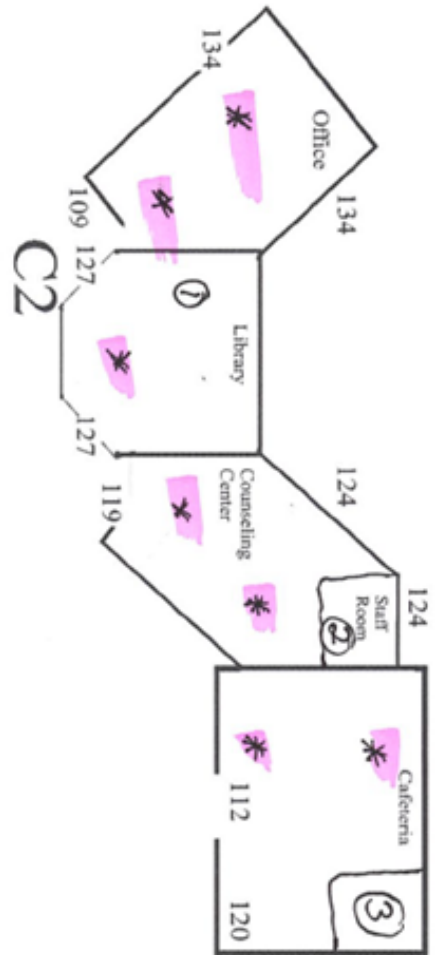
Supplies	Qty	Make/Model/Desc		Unit Price \$
Add'l Supplies	Qty	Make/Model/Desc		Unit Price \$
Add'l Supplies	Qty	Make/Model/Desc		Unit Price \$
Add'l Supplies	Qty	Make/Model/Desc		Unit Price \$
Project Labor Total Cost \$		Or	Qty	X Unit Price \$

Notes:

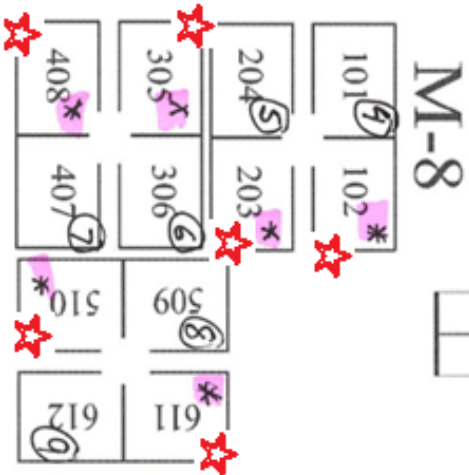
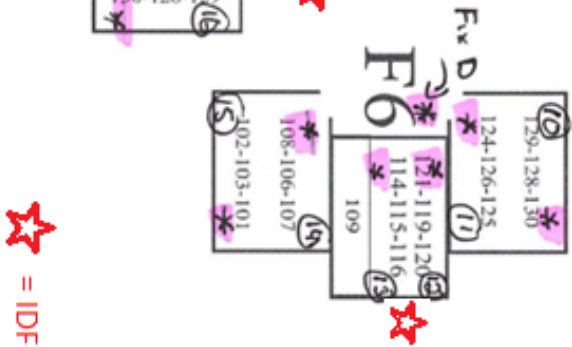
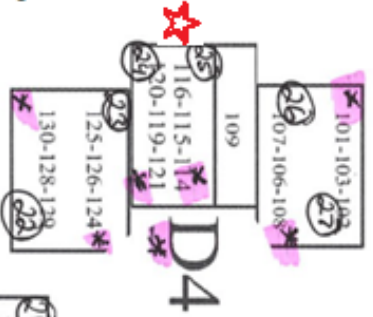
Section Total \$

Check here if additional information is attached.

Wireless Project 2019



Football field & track



Baseball Field

ROSEMARY CLARKE MIDDLE SCHOOL

“Swimming to the Top”

★ = IDF