

## Shoshoni Fremont #24 District Network Upgrade Proposal

Job will include installation and configuration. Can start installation as early as June 1st 2024 and must finish before August 1st 2024. Materials and equipment must be delivered before June 2024.

Approved Network Infrastructure Manufacturers: Aruba and Ruckus only. All Aruba Services and Materials may be substituted for their Ruckus equivalent.

Engineering Hours will Include:

- Physical installation of all ordered materials
- Migration of all existing VLANs, SSIDs, and other pertinent configurations to match what currently exists.
- Configuration of new services
- Configuration of single-sign-on with captive portal auth. with fremont24 G Suite integration (Clearpass Configuration)

Equipment, Materials, and Licensing list: Note: A Ruckus Equivalent to the below Bill of Materials is also acceptable. Though the project will need to be either all Aruba products or all Ruckus products.

Core/L3: To be installed in place of our current core in the MDF

- Aruba 6300M 48SR5 CL6 POE 4-Port SFP56 Switch (quantity 4)
- Aruba X372 680W Power Supply (quantity 8)
- Aruba 50G SFP56 for core patching (quantity 6)
- Aruba 6300M 24SFP+ 4-Port SFP56 Switch (quantity 1)
- Aruba X371 250W Power Supply (quantity 1)

Edge Network: To be installed among all network closets

- Aruba 6300F 48G CL4 POE 4-Port SFP56 Switch (quantity 34)
- Aruba 25G SFP28 to SFP28 0.65M Cable (quantity 34)
- Aruba 6300F 24G CL4 POE 4-Port SFP56 Switch (quantity 2)

AirWave

- Airwave 1 Device License (quantity 121)
- 1 year foundation care Aruba support (quantity 121, term 12 months)

ClearPass

- Aruba ClearPass NL AC 1K CE License (quantity 1)
- 3 year foundation care for ClearPass Aruba (quantity 1, term 36 months)
- Aruba ClearPass NL OB 1K User services (quantity 1)
- 3 year foundation care for ClearPass software services (quantity 1, term 36 months)
- Aruba Clearpass CX000V VM appliance License (quantity 2)

- 3 year foundation care 24x7 EDU Services (quantity 2, term 36 months)

#### Spares

- Aruba 6300M 48SR5 CL6 POE 4-Port SFP56 Switch (quantity 1)
- Aruba X372 680W Power supply (quantity 1)
- Aruba 6300M 24SFP+ 4-Port SFP56 Switch (quantity 1)
- Aruba x371 250W Power supply (quantity 1)

The following WiFi section will be bid separately and will fall under e-rate. Bids for both the WiFi and greater wired-network projects will be released simultaneously and the winning bidder for both must be the same vendor.

#### WiFi

- Aruba AP-635 US Campus Access Points (quantity 76)
- AP Mounting Brackets RMKT Individual B (quantity 6)
- HPE Aruba Networking AP Mount MP10-U (quantity 7)
- HPE Aruba Networking AP-634-US Wireless (quantity 4)
- AP Mounting Brackets RMKT Individual D (quantity 4)
- HPE Aruba Networking AP-Antenna Access Mount-U (quantity 4)
- HPE Aruba Networking AP-Antenna-348ACCS Antenna (quantity 4)
- Aruba 7205 Controller (quantity 2)
- 3 year foundation care services (quantity 2, term 36 months)
- AC Power cord (quantity 2)
- Licensing K12 AOS Device License Bundle (quantity 70)
- 3 year foundation care services (quantity 70, term 36 months)
- Aruba 10G SFP+ to SFP+ 1M DAC Cable (quantity 4)
- SPR-RK3-Mount S2500 720S 7024 Access Mount (quantity 2)
- Engineering Hours ~50

#### SFP's

- Equal Optics 10G Base-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC) HPE Aruba Compatible (quantity 36)

#### Engineering/Install Anticipated Hours ~250

- Network Configuration
- Physical Switch and AP replacement
- ClearPass (Radius, SSO, Network Security) Configuration