



ADDENDUM #1

RFP #26-96100-CW-NETWORKINFRASTRUCTURE

DATE OF ADDENDUM: November 7, 2026

This addendum shall be made part of the RFP documents and is issued to make additions, changes, or clarifications to the RFP documents.

Some information in this document may be inaccurate at the time of this addendum, but the information provided is to allow fair competition between vendors by providing everyone with the same information. Be aware, some information may change once the bid is accepted (ie: primary ground for each facility).

Campus Terminology:

RL = Rice Lake

SU = Superior

NR = New Richmond

AL = Ashland

SL = Shell Lake

Fiber / Topology

1. Star topology connects each IDF to MDF at each campus? Is this correct?
 - SU, RL - Each IDF connects to MDF per floor, MDF per floor connects to Alpha closet
 - AL, NR - All IDF's connect to MDF/Alpha
2. RL topology update
 - 1F – 127 / ALPHA is new MDF, center of star / hub-and-spoke for 1F, and center of star / hub-and-spoke between floors
3. Would you like a continuous 6 Strands of 50/125 micron OM4 MM fiber to each closet?
 - 6 strands single mode fiber
4. Is the new fiber to be armored single mode 6 strand fiber with new fiber shelves and couplers? This was discussed during the walkthrough to install single mode vs. multimode due to some length requirements. The scope states to use unarmored MM OM4 cabling in conduit sleeves which is not typical.
 - Armored, 6 strand fiber, SMF, OM4
5. Fiber Redundancy
 - None
6. Replace existing SU 130 – 109 fiber run?
 - Yes

7. Should SFPs be included in the quote? If yes, please specify the total number required per site and how many spares should be included.
 - No
8. It was mentioned that 10G optics are in place. Please confirm whether these optics are **multimode** or **single-mode**.
 - Existing optics are 10G multimode; **Northwood** will provide new single mode transceivers
9. Should **existing multimode fiber** be **demoed and removed** as part of the fiber scope?
 - Yes
10. Should SFPs be included in the quote? If yes, please specify the total number required per site and how many spares should be included.
 - No

Cabinets

1. New cabinets in any closets?
 - No
2. Please identify each MDF / IDF at each site with physical room number and area covered on the map layout?
 - Coverage for each closet is uncertain; some rooms will have multiple closets servicing it or will have a closet from a different floor; little to no documentation on this
 - AL
 - MDF / ALPHA – 302
 - IDF / BRAVO – 108H
 - IDF / CHARLIE – 227
 - RL
 - MDF / ALPHA – 127
 - IDF / BRAVO – 217 (center of hub and spoke for second floor; connect directly to ALPHA)
 - IDF / SERVER – 217
 - IDF / CHARLIE – 129
 - IDF / CORE – 129
 - IDF / DELTA – 105
 - IDF / ECHO – 100A
 - IDF / FOXTROT – 177A
 - IDF / GOLF – Conference Center Hallway
 - IDF / HOTEL – 206A
 - IDF / INDIA – 401 (Academy Building)
 - SU
 - MDF / ALPHA – 318A (center of hub and spoke)
 - IDF / BRAVO – 210A (connect directly to ALPHA)
 - IDF / CHARLIE – 207A (phase this closet out)
 - IDF / DELTA – 151
 - IDF / ECHO – 109 (center of hub and spoke for first floor; connect directly to ALPHA)
 - NR
 - MDF / ALPHA – ITC2 / TELEPHONE / ITV / HUB 1F (center of hub and spoke)
 - IDF / BRAVO – STORAGE / Adjacent to 1320 1F

- IDF / CHARLIE – 1207A 1F
- IDF / DELTA – ITC6 / IT CLOSET 2F
- IDF / ECHO – ITC3 / Student Services closet 1F
- IDF / FOXTROT – ITC / Opposite of Bookstore 1F
- IDF / SUB – 3000 / Vet Tech area basement 1B
- IDF / SA – 1600 Mezzanine / Directly above 1607, men's restroom 2F

3. How many **patch panels** are expected per rack or per MDF/IDF location?

- AL
 - ALPHA: 5
 - CHARLIE: 0
 - BRAVO: 4
- RL
 - ALPHA: 1
 - BRAVO: 6
 - CHARLIE: 2
 - DELTA: 0
 - ECHO: 2
 - FOXTROT: 0
 - GOLF: 3
 - INDIA: 0
- NR
 - ALPHA: 6
 - BRAVO: 5
 - CHARLIE: 2
 - DELTA: 2
 - ECHO: 2
 - FOXTROT: 2
 - ANNEX: 0
 - SUB: 0
- SU
 - ALPHA: 6
 - BRAVO: 4
 - CHARLIE: 0
 - DELTA: 3
 - ECHO: 0
- SL
 - ALPHA: 5

4. Will we need to include horizontal and/or vertical wire/cable management in each TR? On site discussion was different than bid scope.

- Vertical wire/cable management – for cable waterfall into rack and along the back, front will be switch/patch configuration with 6" and 1' patch cables, eliminating horizontal management on the front

5. Will the contractor be moving the switches and other network equipment in racks to accommodate the new standard layout?

- Yes – reach out to network POC for questions and assistance during this process

6. Where is the primary building ground located at each site?
 - AL: 117A
 - RL: 125
 - NR: MA01
 - SU: 123
 - SL: 102
7. If no suitable ground is in place, will the **electrical contractor** be responsible for providing or extending the grounding infrastructure?
 - Yes, electrical contractor hired by Northwood
8. Should the network contractor bond all racks, cable trays, and metal components back to the main ground bus, or will this be handled under electrical scope?
 - Network contractor

Cable Pathways

1. Is the intent to install **all new cable pathway** (tray, J-hooks, etc.) throughout each school? If not, please clarify where existing pathways can be reused.
 - Use existing and add new:
 - Cable tray and ladder into closets
 - J-Hooks in hallways
 - For the purpose of writing the proposal, assume there is no existing cable pathway
2. Will the Northwood Tech facility staff provide new 4" sleeves into each TR for new cat6 cabling or will the contractor need to provide these?
 - Contractor needs to provide

Cable Runs / Retermination / Demo

1. Please provide how many Cat 5E or less are at each site; jack configurations (e.g., number of jacks per plate, color coding standards, etc.) for each site; what **quantity, color, and length of patch cords** should be included in the proposal?
 - AL – approx. 284 cables to replace; 44 wallplates
 - NR – approx. 342 cables to replace; 86 wallplates
 - RL – approx. 310 cables to replace; 78 wallplates
 - SU – approx. 292 cables to replace; 73 wallplates
 - SL – 0 cables to replace; 0 wallplates
 - 4 jacks and/or blanks per wallplate; blue keystones only in wallplates, black blanks
 - Contractor to provide wallport keystones
 - Estimates:
 - 61% wallports / access devices – BLUE keystones and 6" patch cables
 - 12% Facilities / Life Safety – RED keystones and 1' patch cables
 - 10% Wireless – YELLOW keystones and 1' patch cables
 - 2% UPS – GREEN keystones and 1' patch cables
 - 2% Printers – BLACK keystones and 1' patch cables
 - 13% Media - PURPLE keystones and 1' patch cables
 - Double the number of Hubbell Cat 6 keystones HXJ's as there are Cat 6 cable runs

- 1 keystone for the patch panel and 1 keystone for the opposite end per horizontal cable run
- 2. Approximately how many **existing Cat5e cables** should be **removed** (demoed) per location?
 - All Cat5e or less demoed, see above
- 3. Is this scope to replace all the existing copper cat5 and cat5e cable in each of the TR's whether active or not?
 - Only Active
- 4. Is the scope to re-terminate any existing cat6 cabling found in the TR's if not already on a Hubbell panel?
 - Yes
 - Complete cable test regardless of qualification for Hubbell premise wiring warranty
- 5. Will the contractor be required to install the patch cords in the TR's during cutover to the new cat6 cabling if replaced?
 - Install patch cables in network cabinet
 - Do NOT install patch cables on workstation end
- 6. The scope states "Plenum" rated cable. Observations from the walkthrough do not indicate "Plenum" rated cable requirements in all locations and does not seem to be the typical building standard. Will "Non-Plenum" rated cable be acceptable where compliant or do you want the additional cost of plenum rated cable for future possible remodeling?
 - Assume all runs are plenum
 - Too many transitions between old and new remodels to justify as many transitions from high rise to plenum cabling
- 7. SU remove inter-level cabling?
 - Yes
- 8. SU 207
 - Please rework existing cat 5e runs to go to 210 – goal is to eliminate 207A / CHARLIE rack
- 9. Assume all runs with the same cable lengths
 - 220 ft per run

Other

1. Who will be responsible for defining **port mapping and cable destination assignments** (e.g., IT department, contractor, or Northwood Tech staff)?
 - Northwood Tech staff will provide standard, vendor will provide port mapping and updated diagrams
2. Will Northwood Tech be providing As Built drawings with all existing cable locations for each facility or will we need to add labor to the proposal to create this for you? This will be required to pull the new cat6 cables replacing the cat5/5e cables if required.
 - We will provide the documentation that we have but request the vendor create the final product using what was given
3. What type of training do you think will be needed for operational and maintenance requirements? This should be minimal to none unless you have specific questions.
 - None
4. In lieu of RCDD review, will Northwood Technical College accept PE review and stamp?
 - Yes

5. Does the Layer 2 network design require using HPE Aruba 6200F network equipment?
 - Yes
6. Does the wireless design require the use of HPE Aruba APs to include using a specific network management system?
 - No
7. What layer 3 router core network is currently in use? Does the layer 3 router(s) need to be replaced/upgraded in this project?
 - No
8. Does the project require DDI (DHCP/DNS/IPAM) support services?
 - No
9. Does the project require Firewall support services? If so, what Firewall vendor is being used?
 - No
10. Voice Infrastructure - Is there any legacy POTS/FX-S cabling needs?
 - No
11. Is there a minority requirement on the contract?
 - No
12. Is a bond required for this project?
 - No