

Request for Proposal
2021 E-Rate RSD7 Cat 6 Station Cable – Fiber – Access Switches

Q: Which schools will have MDF moves?

A: Glenfair ES, Margaret Scott ES

Q: Which schools will have IDF moves?

A: Hartley ES, H.B. Lee MS, Reynolds MS Pool, Woodland ES

Q: At locations with MDF/IDF moves, will fiber be extended using two breakout panels and fiber jumpers or will the new fiber be fusion spliced into the existing fiber?

A: New fiber should be fusion spliced into existing fiber to extend it to the new location. MDF moves will require 12 strands per IDF. Where possible, fiber should be swung to the new IDF/MDF location without using a new section of fiber.

Q: Will drawings be provided for the new CAT 6 installation locations?

A: The winning bidder will be provided with a floorplan showing where new CAT6 drops should be installed

Q: At several school locations, some of the portable buildings are fed CAT 5 cabling by adjacent buildings, either using direct burial cable or an arial wire with CAT5 cable attached. Should this cabling be replaced using the same methodology?

A: The detached portable and modular buildings at Margaret Scott, Glenfair, HB Lee, Hartley, Alder and Walt Morey will not be a part of the CAT6 cabling installation scope at this time.

Q: Should all CAT5 and CAT6 cabling be removed, including camera, HVAC, and access control system cabling?

A: No, only data cabling terminated to a wall jack for VOIP and computer use should be removed and replaced. Existing CAT6 data cabling should not be replaced. HVAC, security camera, and access control cabling should not be replaced.

Q: What length should patch cords be?

A: Patch cords should be appropriate length to connect the patch panel to switch. Where possible, patch panels should be placed above and/or below network switches with 6" or 1' green CAT 6 patch cords using the shortest length possible. Where this is not possible, 5' green CAT6 patch cords should be used between active and passive network racks.

Q: Where multiple passive network racks exist, should these be removed and combined with active network racks?

A: Yes. Where possible, unnecessary passive network racks should be removed and patch panels should be placed above and/or below network switches.

Q: Will the technicians be able to work during normal business hours or will the work need to be performed in the evening/after hours?

A: Work will need to be done outside of school hours or during breaks (Spring Break, Winter Break, Summer Break etc...).

Q: How many switches are going to be co-located within the same rack requiring stacking cables?

A: All of the switches will require stacking modules and cables. They will all be co-located.

Station Cabling Questions:

1. Do you have drawings of each school that show data drops and IDF/MDF locations? Drawings will be provided at the walkthrough scheduled for 1/18/21
2. If no drawings are to be provided what are the average cable lengths? To be determined at the walkthrough scheduled for 1/18/21
3. Are new Firewall Penetrations required? To be determined at the walkthrough scheduled for 1/18/21
4. Is conduit required? To be determined at the walkthrough scheduled for 1/18/21
5. Are the Electrician providing all required conduit? No
6. Do the buildings have drop tile ceilings? Some do, some have hard lid ceilings - To be determined at the walkthrough scheduled for 1/18/21
7. Are we to assume existing pathway is in place from the old cable coming out? Yes, further details to be determined at the walkthrough scheduled for 1/18/21
8. Are we going to demo out the old cable? Yes
9. Are there any hazardous materials or locations in the building? Asbestos materials might be present at Alder elementary
10. Are scissor or boom lifts required for any spaces? To be determined at the walkthrough scheduled for 1/18/21
 - a. What are the tallest ceilings? To be determined at the walkthrough scheduled for 1/18/21
 - b. Are the floors rated for lifts? To be determined at the walkthrough scheduled for 1/18/21
 - c. Are there any restrictions on size due to access (door sizes etc.)? To be determined at the walkthrough scheduled for 1/18/21
11. How many IDFs will need new Patch panels and what sizes? To be determined at the walkthrough scheduled for 1/18/21
12. How many of each length patch cords will be required? To be determined at the walkthrough scheduled for 1/18/21
13. Are patch cords required for both closet side and station side? Only closet side
14. Are any cables to be routed in underground conduit? To be determined at the walkthrough scheduled for 1/18/21
15. Are any cables to be ran outside? To be determined at the walkthrough scheduled for 1/18/21
16. Are any network racks required? If so, how many? No
17. Are any wire managers required? If so, how many? To be determined at the walkthrough scheduled for 1/18/21
18. Any ladder rack or closet build out required for new IDF/MDF locations? To be determined at the walkthrough scheduled for 1/18/21

19. Any demo required in old MDF/IDF locations? No

Backbone Fiber Questions:

1. Do you have drawings that show the Backbone cabling? No, this can be determined at the walkthrough scheduled for 1/18/21

2. The RFP states Single Mode Fiber at 5 schools but in the Fiber Installation Instructions it only calls

out three schools, Are there two other schools? To be determined at the walkthrough scheduled for 1/18/21

3. What are the lengths of the fiber runs to be installed? To be determined at the walkthrough scheduled for 1/18/21

a. Glenfair E.S. – 24 Strand to new MDF – Length _____? To be determined at the walkthrough scheduled for 1/18/21

b. Glenfair E.S. – 12 strand to Library – Length _____? To be determined at the walkthrough scheduled for 1/18/21

c. Margaret Scott E.S. – 12 Strand to new MDF – Length _____? To be determined at the walkthrough scheduled for 1/18/21

d. Reynolds M.S. – 12 strand to new IDF location – Length _____? To be determined at the walkthrough scheduled for 1/18/21

4. Are the existing BEJED FDUs wall or rack mounted? To be determined at the walkthrough scheduled for 1/18/21

5. Will the fiber be routed in any underground conduits? To be determined at the walkthrough scheduled for 1/18/21

6. Will new BEJED FDUs be required in the new MDF/IDF locations? To be determined at the walkthrough scheduled for 1/18/21