

Q and A resulting from site walk

Notes taken on 2-4-19 for Fiber runs and E-Rate
Meeting started at 9:00am and ended at 10:45am.

1. What kind of Fiber is currently being used?
 - a. 62.5 multimode
2. Would there be any cabinet or rack upgrades?
 - a. New LIU's and LC connectors, existing cabinets are there and in good shape so using those would be fine.
3. Do you need patch cords?
 - a. Yes
4. Do you have a standard brand on site that you want used?
 - a. No
5. Do you have Levington brand?
 - a. Some of the current area's are Levington, others are Panduit
6. Do you have a specification on the Fiber?
 - a. 9 Micron and 12 strands. No specific manufacturer or brand.
7. Do you want a 15 to 20 year warranty?
 - a. Yes
8. Will it be a mandatory walk through?
 - a. Yes
9. Are you doing just the buildings you show on the map?
 - a. Yes
10. Are you going across the street?
 - a. Yes
11. Do you need to get access to shut down the street?
 - a. No we own 8th St, so that shouldn't be a problem.
12. Do you have summer school here?
 - a. Yes, minimal but there are classes that access the internet and the District Office is being used during that time.
13. What hours would this happen then with school being in Session?
 - a. I think we could still do this during the day and setup barriers during the day for traffic to go around. I would like to flex around what you guys do to get this done proper. We can usually move classrooms around as well.
14. Can we work on Saturdays too?
 - a. Yes, we do have saturday school though as well.
15. Is MCSOS building to Gateway High School connection going to be upgraded?
 - a. No
16. What is in the conduit going from mcsos to pole in parking lot of gateway?
 - a. Fiber and phone cabling.

17. Is the fiber from MCSOS currently going to room 29?
 - a. Yes, but we want a single run to MDF room this time.
18. Do you want the old fiber run still in place?
 - a. If possible yes.
19. Where does the current fiber run after the band room 30 idf closet.
 - a. The fiber follows and underground conduit path to the Library MDF server room.
20. Is there an equipment closet in the band room?
 - a. Yes
21. Do you want to upgrade the second MDF inside the IT storage room to 10g Fiber?
 - a. Yes, new single mode.
22. What is currently running from the Band room 30 closet to IT storage room MDF?
 - a. Currently copper
23. Do you want to leave the existing copper going from Room 30 to IT storage room MDF?
 - a. Yes, the IT MDF Storage room to room 30 we want fiber and leave existing copper.
24. Do you have a telecom closet in room 30?
 - a. I don't know

The following Questions are regarding the Redskins building.

25. Does the current fiber line go to the mpr?
 - a. No
26. Do you want a new LIU and rack in the Redskins building?
 - a. A new LIU and a rack if it needs it propose it.
27. Do you want to leave existing LIU and fiber?
 - a. Yes
28. Do you know where the fiber goes underground from the Redskins building?
 - a. Part of the way. We lose track of where it goes in the parking lot as it was not labeled from the last installer nor do we have precise drawings of a finalized plan from where the fiber was installed.
29. The following questions are regarding the 7A building.
30. Where does the fiber currently fron from the Library to Room 7a?
 - a. The fiber goes from the back of room 7a to a box and pole in the ground near room 109.
31. Do you want to rack mount fiber?
 - a. Yes

The following questions are regarding the Library MDF.

32. Do you want to leave the ST connectors currently in there?
 - a. Yes, leave those and go LC on the new fiber lines?

The following questions are regarding Room 23 fiber run.

33. Does the run go through the back of the wooden box out the wall to the conduit of room 23?

- a. Yes

The following questions are regarding room 500 building.

- 34. Does the fiber go underneath the street?
 - a. Yes the fiber goes box to box underground across the street.
- 35. What buildings does the fiber need to go to for the 500 area?
 - a. It will need one set going to the room 500 IDF and Ag Wood Shop RM34a idf.

The following questions are regarding Room 34a.

- 36. Is there another conduit box for the current fiber going to Room 34a?
 - a. There is a split box between the 34a buildings and 500 buildings in the AG Staff parking lot.
- 37. There is a ceiling space in the idf room?
 - a. Yes, and you can walk in there.

Other General Questions below.

- 38. Do we have to do all new conduit ducts?
 - a. Yes, bid for all new conduit for underground.
- 39. Will there be 10g to the Admin building?
 - a. No
- 40. Do you want 12 or 6 strand fiber runs?
 - a. 12 Strand
- 41. When is the cutoff on questions?
 - a. There isn't one.

-----Update 2/11/2019-----

Questions

- 1. What are the conduit specifications such as quantity between each IDF and the MDF as well as duct size.
 - a. Please use best recommended practices and refer to your measurements for quantities.
 - b. If you want to schedule another walk through please contact me.
- 2. I suspect we would not want to enter most of the existing vaults due to their age/condition. Are new vaults required? If so, what are the specifications for any new vaults?
 - a. Yes, Please use best recommended practice
- 3. With regards to the conduit installation and to keep things apple to apples. The conduit size and quantities along with handhole/vault sizes should be specified. Otherwise, you could end up with 2 completely different solutions and costs. If you're allowing this to be

determined by bidders, I'll have to go with the least costly solution which may not necessarily be the best option for you long term. Such as only quoting (1) 2-inch conduit between buildings and not providing any spare ducts or larger duct sizes.

- a. Please use industry standard for 12 strand fiber installation.