

RFP 22-0121 Questions and Answers

1. Will the contractor be responsible for invoicing the school directly or applying payments to USAC? **Please invoice TCPS at the Address below (The information will appear on the PO)**
2. On page 2 of the RFP in section 3, it references an RFP closing date of Jan 21, 2022 at 1 pm EST. On the last paragraph of section 4, on page 4 of the RFP, it indicates that response documents are due on Feb 10, 2020 at 1 pm EST. Could you please clarify the due dates? **January 21,2022 at 1 PM**
3. Celerity plans to provide Corning materials that offer the requested 20-year warranty, as we are a Network Preferred Installer for Corning. Is this acceptable? **That will be fine as long as it contains the armored plenum jacket**
4. Is there an existing floor penetration from floor 1 to floor 2 to access IDF 4? **There is a chase that runs next to the elevator that runs from the second floor to the first. The run would originate in the MDF off the media center.**
5. Will the pathway through the Gymnasium to access IDF 5 require any special attachments or conduit? **Coming from the hallway ceiling (10 ft H) through the gym wall and then vertically to the gym roof truss - The vertical rise to the truss (approx 20') should be in conduit but the remaining run along the blind side of the truss can be wire-tied. IDF 5 is small cabinet in a cardio workout room behind the gym so the cable will need to descend (approx 15' & more conduit) to penetrate the wall at ceiling level into the cardio room in order to travel the last 25 ft to the enclosure. The enclosure is flush with the ceiling. Will a lift be required or is there one on-site to use? A lift will be required but because of our insurance and liability, the contractor will need to provide it.**
6. Are there cable trays in the hallways above the drop ceilings or are we creating attachments? Is there any special attachment requirements if we are creating? **Most of the existing cable runs are supported by J hooks. That will be acceptable.**
7. The RFP mentions that existing multimode fiber will not be demolished, does that mean a cable pathway currently exists? **Yes** If so, can the existing cable pathway be reutilized for this RFP?
8. If an existing cable pathway exists, what makes up the pathway infrastructure (i.e., cable trays, J-Hooks, or conduits)? **There is an existing pathway and j-hooks are the primary management. Specifically, there is a chase from the second floor to the first floor near the elevator. The run through the gym to the IDF in the cardio room is run along the ceiling trusses. Using the same pathway is encouraged**
9. What are the heights of the ceilings throughout the proposed cable pathways (i.e., hallways, IDFs, and gymnasium)? **The heights of the hallways and IDF's are 9 -10 feet and the estimated gym height is 25 feet.**
10. The RFO requests 1 RU 19" Fiber Patch Panel, for clarification a fiber enclosure will not meet the RFP requirement? **A 2 RU 19' Fiber patch panel is acceptable.**
11. Are the cable distances referenced in the RFP estimates or exact measurements? **We calculated the riser length, the run-length, plus an additional 20%**
12. What is the path the fiber runs are taking? **The map of the building is attached with the RFP - The runs are through the ceiling.**
13. Is it multiple floors? **There is a second floor and there is a chase next to the elevator which takes it to the ceiling above the media center and to the MDF.**
14. Are there pass-throughs/penetrations that must be made? If yes, what is the material that has to be penetrated and how many times? **All walls are concrete block - there are existing openings but they may need to be made larger.**
15. Is it overhead or in floor? **Overhead ceiling (except for the second-floor chase.**
16. Are there cable trays to follow? **Mostly J-hooks**

17. Would you like the new fiber to be run over top of the old fiber? **Following the same path as space and the ability to secure it provides.**
18. Do you want the quote to include an option for the old fiber to be taken out? **Not necessary.**
19. May I take a look at the school in person to gain better insight? **Are there any questions or concerns that I can answer? We are somewhat reluctant to schedule a contractor walkthrough given the highly contagious nature of this most recent coronavirus variant. We currently have restricted access to the building to students and staff.**
20. There is a provision in the RFP for a presale 20-year warranty. What do you want covered under this warranty? It says turn-key, which could mean anything. **We know there are more strands than we need in our single-mode request. The warranty coverage is mostly for the end connectors. If the fiber run passes tests on day 1, It should last through year 20 especially since we specified the heavier jacket.**
21. What cabling are you using for your current infrastructure? When was the last time it was replaced and/or upgraded? **We had multimode cabling installed 7 years ago. Given the limited bandwidth and the more expensive (limited) SFPs, we moved away from the OM1 cable in all of our buildings except this one. Since this building may not go to renovation for another 10-15 years under the state's new guidelines, therefore we are future-proofing our infrastructure.**
22. Testing requirement: the contractor shall perform testing of all cabling permanent links (to include connectors and/or terminations to patch panels). Documentation shall be provided to certify that the installed cabling permanent link(s) meets or exceeds ISO.
 1. What frequency – frequencies to be tested?
 2. Power meter testing?
 3. What is an acceptable dB loss on your fiber?
 4. Hard copies and or soft copies of test results for deliverables?

The installed fiber runs should be able to support 100GBASE-FR4. Power levels and frequencies should be according to that standard for maximum cable plant future proofing. The ITU-T G.652C/G.657.A1 standard for OS2 SMF fiber installations states that acceptable loss should be no more than 0.5db/km. Test results delivered electronically should be fine.