RFP 20-02, Network Upgrade Questions

Please confirm that the numbers in the MDF and IDF columns are the number of wiring closets. Do you really have 28 IDF's in the high school?-the counts in the RFP are accurate

Is your internal school fiber multimode or single mode? If multimode, is it OM1 (62.5-micron) or OM2/3 (50-micron) fiber?-multimode, maybe OM2/3.

You say that you will need to have two gigabit ports per access switch.   Do you intend to uplink each switch stack to the core with two 10 gigabit connections? If so, do you want to do two 10 GBPS uplinks if there are only one or two switches in an IDF?-yes, yes

Is Type 2 (30 watts per port) power adequate for your needs, or do you need Type 3 (60 watts per port) or Type 4 (90 watts per port) power?   Extreme is now pushing very high power PoE on all access ports, because for now that restricts your choices to Extreme products (their good sales strategy).   -Type 2 or type 3 should suffice.

How many ports do you want in each switch? Do all switch ports need to be PoE? (If Type 2 PoE) what is the PoE power budget needed for each 48-port switch—370 watts or 740 watts?-48 per switch, yes. power budget has not been determined...370 may suffice.

Do you need the optics to connect each location core switch to the WANs? Do you need fiber optics to connect your core switches to the Comcast and Zayo WANs, or are these just gigabit or 10 gigabit copper ports? If you do need WAN optics, are any of these ER (over 10 KM fiber distance)? If you need those longer WAN connections, how many of those do you need?-*Yes, we will need optics to connect to Comcast/Zayo's managed device.*

How many gigabit network access ports are required in each MDF? (or, associated question—for the three smaller sites—PLC, transportation and Wright Street—can an MDF switch be used to provide the core switch function and also the local gigabit ports?)-not determined. Switch counts provided in RFP are based on what is currently in place. We are seeking pricing on the number of switches requested. Once procured, we will then determine placement as we are aware of the need to consolidate unused ports.

What type of firewall do you use? (no, we are not trying to sell you a firewall; it might have a bearing on the methods of switch management and security) -Palo Alto

You are not installing new network equipment in several sites…..what kind of network equipment is in those sites? Newer Extreme switches? -Correct

What type of wireless network hardware do you use? Is that recently installed?-Rukus. Installed within last 5-6 years