RFQ 4FY20 Vendor Question 1

1. Who is supplying the fiber connectors? Which manufacture is required? The vendor PSO hires will need to terminate all connections on each end of the fiber. C2G is the manufacturer PSO requires.

2. Copper Termination Costs states to run copper cabling and terminate on both ends. Training Building Network Equipment and Cabling Scope of Work item 1.2.1 states the PSO will run the copper cabling. Please verify who is to provide and install the copper cabling? If the copper cables are installed by PSO will they be labeled at both ends? PSO will run the copper network cabling to the gang-boxes and access points throughout the facility to the patch panel in the network closet and label both ends. Vendor will terminate and test all copper cabling at the gang-box keystone and at the network closet on the patch panel.

3. Please verify the total quantity of strand of fiber to be terminated for the project. Total strands to be terminated are 156.

4. Training Building Network Equipment and Cabling Scope of Work item 1.2.3 states to fuse 12 strands if fiber. Will this fuse to an existing fiber? Is a splice case required? Removing from Scope of work. This will be included in RFP for ILP building. No action for vendor.

5. Bid / Quote Form item #21 has two part numbers; one for unarmored and one for armored. Which are we to quote?   If we are to quote both, please clarify how many of each. PSO will need total 30 SM unarmored (C2G 28758 OS2 Fiber Optic Cables) and 10 SM armored cables (Jeirdus FBM-ALCLC2MD300)

6. Bid / Quote Form item #23 the part number provided is for multimode fiber and the fiber to be installed is single mode; is this correct? No that is not correct. The correct part number should be, CCH-CP12-A9

7. 1.3 Training Building Network Wiring Diagram states 238 Total Drops. Is that 238 category 6 cables? Yes, all the drops will be CAT6. The keystones and patch panels must be able to support CAT6 connections.

8. Bid / Quote Form item #30 is this item to include the labor to terminate and test all 238 cables? Yes, all copper cabling must be terminated to a keystone and patch panel and wire tested for functionality.

9. Bid / Quote Form item #31 list part numbers for faceplates and jacks and states to provide approx. 75 to 100. Please clarify how many of each faceplates and jacks we are to provide.   Wiring Diagrams states 238 cables. PSO has planned for our faceplates to support up to 4 keystones each. If the location only requires 2 keystones than a 2 keystone faceplate may be used. You can quote us for 100 faceplates and we will keep any plates left over for future use. We will need at least 238 keystone adapters.

10. Please clarify that all of the fiber optic cabling will be provided and install by PSO? PSO will lay conduit in the ground, provide and run the bundles of fiber to each end point. All other work for the

fiber such as terminating to the fiber panel, fusing or splicing and testing will be completed by the vendor.

11.   Will any of the fiber install be loose tube? Yes, this is the description of the fiber purchased: 10G/100G Plenum Bulk Fiber Nano-Core Cable Spool 300 Meter Single-mode 96 Strand. Bulk Single-mode (OS2) Plenum Bulk Fiber Nano-Core Cable Spool (96 Strand). 300 Meter (Approx. 1000ft) OS2 (250µm loose tube fibers within aramid yarn & outer jacket - Indoor) for 10G/100G Single-mode (OS2) fiber optic networks

12.   Bid / Quote Form items 15, 16 and 17 who is to install them? Training Building Network Equipment and Cabling Scope of Work item 1.2.7 states PSO will install and ground network racks, cable organizers and ladders to be used for cable management. Please clarify. This item can be negated, PSO will purchase the equipment and install rack, ladder and organizers.

13.   Bid / Quote Form item 32 is this to be inclusive of all labor and material required to terminated and o splice the fiber? Yes, this item should include all costs relating to the fiber termination, splicing, fusing and testing.

14.   Bid / Quote Form Cisco items 1-14, is it up to the Vendor to install and configure these Cisco items in the rack? Section 1.2.7 "PSO will install and ground network racks, cable organizers and ladders to be used for cable management." No the vendor will not need to install these items, these will be configured and installed by PSO's IT.