



# CITY OF HUNTINGTON BEACH

Finance Department  
Central Services Division

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**Subject:** Bid Questions & Answers for Utility Yard Voice and Data Upgrade

1. Plan sheets ET-2.1 and ET-2.2 depicts both data and voice station Category 6 cables are to be terminated to Category 6 48-port patch panels; plan sheet ET-5.2 detail A and sheet Et-0.1 detail 12 depicts all jacks to be Category 6; however, the specifications Appendix A states all jacks are to be Category 5E grade and page 5 line 9.2.6 and line 9.4.2 state that voice cables are to be Category 5E cables, split to two voice jacks, and terminated onto 66 blocks? Which is correct? **Answer: The plans for this project are correct. Use Cat 6 as specified on the drawings.**
2. Regarding data cabling are we to install minimally compliant Category 6 or Category 6 augmented 10GB cable? **Answer: Install Cat 6e plenum cable**
3. To clarify, if voice cabling is to be Category 5E cable, are we to install Category 5e or Category 5E cable for each voice outlet? **Answer: Install Cat 5e cable for each voice outlet where applicable.**
4. If both data and voice cables be terminated to patch panels, shall all cables be terminate in sequential order or shall voice and data cables be on separate patch panels? **Answer: The voice cable and data cables will be on separate patch panels. Voice more than likely on BIX or 66 blocks.**
5. Specifications page 4 line 8.1 states to install 12-strand single mode fiber; yet, the plans and parts list provided call out for 12-strand multimode fiber. Which is correct? **Answer: MM 62.5/125 microns outdoor/plenum rated fiber cable. Armored required if not ran through innerduct. SC connectors are correct**
  - a. If the fiber is to be multimode, which type is preferred 62.5/125, 50/125, or 50/125 laser optimized?
  - b. Plan sheets ET-0.1, ET-2.1, ET-2.2 and specifications page 4 line 8.2... The plan sheets state to terminate the 12-strand inter-building fiber to SC connectors and the specs state to use ST connectors, which is correct?
6. Plan sheet ET-1.1 note 1, shall this work be conducted during off hours of the facility? **Answer: Rework the existing single mode fiber and install new multi mode fiber with enclosure. Test all fiber connections.**

- a. Can we reuse the existing fiber enclosures and panels or shall we bid new ones?
  - b. Do we need to provide pre and post move OTDR and power meter test results for these cables?
7. Plan sheets ET-0.1 details 5 & 9, sheet ET-2.1, and ET-2.2...To clarify, shall the Cat 5e 50-pair cables from the MPOE to each building be terminated onto 66 blocks in the MPOE and then terminated to a Leviton 48-port patch panels # 5G270-U48 populated with Cat 3 RJ11 jacks (1 pair per jack) in each IDF? **Answer: Keep the Cat 5e cable. No protector block needed**
- a. For a cost savings, can the 50-pair cables be reduced down to a Category 3 cable considering they are not being terminated in Category 5e compliant fashion?
  - b. Considering that the 50-pair cables for the Distribution and Operations building traverse through outside plant conduits, shall we bid to terminate these cables onto protector blocks prior to being terminated on to 66 blocks and patch panels?
8. Construction Schedule...Is it planned for all three buildings to be worked on during the same time? **Answer: yes**
9. Shall we bid to cable all TV outlets? If so, **Answer: No**
- a. Which type of coax cable shall be installed for each (RG6, RG 11, or RG59),
  - b. Shall these be run back to the local IDF within each building
  - c. How shall all cables be terminated in the IDF's...on a patch panel, left coiled on the wall?
10. On page 2 – Request for Quotation – Pricing Section (Bill of Materials) portion, does the City require unit pricing to reflect labor and material cost or just material cost only? **Answer: Material Cost only, Labor please add cost below table**
11. On page 2 – Request for Quotation – Pricing Section (Bill of Materials) portion, 750 – 12 strand MM fiber, what manufacturer & specification is required, i.e., 62.5/125 micron, OSP indoor-outdoor Corning Freedom Fiber, etc.? **Answer: 62.5/125 microns outdoor/plenum rated cable. Requires armored cable if not ran through innerduct.**
12. On Drawing ET-1.1 – Indicates three 50-pair multi-pair Cat 5e (voice) cables from HC1, HC2, HC3 to the MPOE in Room 431 in the Administration Building. This was omitted on page 2 – Request for Quotation – Pricing Section (Bill of Materials) portion. Is this required for the Quotation and if so can we be provided estimated footage and manufacturer type, i.e., multi bundle or just multi-pair? **Answer: Yes, The 50 pair cable is required. Multi-bundle. Est length 375'**