



RANDOLPH COUNTY PURCHASING OFFICE

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ADDENDUM A

Bid# 16-0613

FOR

POINT TO POINT WIRELESS BACKHAUL FOR NETWORK REDUNDANCY

At

Emergency Services Headquarters Building
New Century Dr.
Asheboro, NC 27203

1. What architecture of radio equipment is desired? (all indoor, split or all outdoor)
 - a. There is no preference as to where the equipment is located. However, be aware the tower at New Century Dr. will not have a hut directly adjacent or below the tower for equipment. There is approximately 55ft of conduit alone from the comm vault under the tower to the comm vault in the Telephone/Data room (see Appendix A, pg. 26). This does not include routing & mounting in the Telephone/Data room and the height of the antennas on the tower.
2. What configuration of radio equipment is desired? (Non-protected, hot standby)
 - a. As this is a backup link for dark fiber, at this time non-redundant radios (single path) will be sufficient. However the radios and the link will be expected to operate 24/7. The customer (Randolph County) will utilize L3 routing protocols to designate the wireless link as a higher cost alternate path to specified networks.
3. Do you need an all Ethernet traffic solution or will any legacy native TDM (T1) traffic be required?
 - a. All Ethernet/IP traffic, NO T1 traffic will be needed for this solution.
4. Attendance of a pre bid walk through is listed in General Information, item 2(i) on page 7 of the RFP but it is not listed in Important Dates on page 3. Is there a pre bid meeting / walk through?
 - a. There is no pre-bid meeting, however a few vendors have requested to make an onsite visit. If any other vendors would like to attend please let us know ASAP.
5. Can you please define more specifically what is required with "on-going maintenance of the system" and maintenance contracts? We would like to understand the scope of these services. Do you mean extended warranty services? Do you mean remote only support for monitoring the system? Do you mean on-site emergency support with response times?
 - a. All maintenance should include next day hardware replacement for the duration of the manufacturer's product life of the equipment.
 - b. Include any firmware or software updates for the duration of the manufacturer's product life of the equipment.
 - c. Include 5x8 phone/online support at no additional cost.
 - d. Provide a fixed and/or discounted rate on onsite repairs/maintenance AFTER the system has been deemed operational and acceptance testing has been completed by the customer.
 - e. If 1st year maintenance is required or included in the hardware purchase that should be stated in the proposal.
 - f. 2nd year maintenance should be the ongoing cost of annual maintenance.
6. Is the data speed to be 500 Mbps full duplex for an aggregate data rate of 1 Gbps? (500 Mbps upload and download simultaneously for 1 Gbps throughput?)
 - a. Ideally, we would like to match the equivalent of an Ethernet 1GB/s connection at Full Duplex (1GB/s send and 1GB/s received simultaneously). However, we realize that there are many factors that determines the speed of wireless communication beyond the radio equipment specified.
7. Would leased dark fiber, MPLS/MetroE, or satellite technology be an acceptable alternative to a dedicated P2P Wireless Link?
 - a. It should be noted that the intent of this project is to provide an isolated, dedicated, and self-managed backup link for PSAP redundancy. Alternate geographical last mile paths and COs are a priority. Any proposals that include services vs dedicated customer owned equipment will need to provide detailed drawings, maps, and networking layout to ensure paths do not overlap with our primary links.
8. Are prevailing wages required in this RFP?
 - a. No.

9. Our initial path analysis is showing a possible line-of-sight issue between the endpoints specified in this RFP. If additional clearance is required to ensure a stable Pt-to-Pt link between the customer's endpoints, will Randolph County provide and/or build as-needed? Or, should the vendor provide pricing and assume responsibility for any additional structures required to support this project?
 - a. **Please define the path issue and include the cost of the build out in a separate line item.**