

**Following are questions posed regarding IFB 2015-01 RLR and responses for construction of an emergency services tower for the County of Surry, Virginia. Should you desire to discuss further, please feel free to contact Ms. Rhonda L. Russell, Planning & Community Development Director, at 757-294-5210**

Questions / comments:

1. Can we visit the site prior to submittal of IFB responses? **Yes, a site visit is scheduled for Monday, July 27, 2015 at 1PM. Staff will meet interested parties at the Commerce Drive entrance to the property.**
2. Does the county own the land? **Yes**
3. Are IFB respondents permitted to use subcontractors? **Yes, please identify subcontractors in bid response**
4. Is the project subject to Davis-Bacon wages? **Yes, please see IFB Addendum**
5. Have any E&S or SWM requirements been established? **E&S plan prepared, site already cleared. Site plan will be required.**
6. Are there more comprehensive site or construction drawings? **No**
7. Does the road entrance off Commerce Drive proceed directly to the 50' easement entrance at the tree line? **Yes**
8. **Am I correct in understanding that only 20' of the 50' easements are cleared?**
9. How much outside of the 60' x 80' compound is to be cleared? **Area already cleared.**
10. Can trees be chipped on site as much as possible to reduce hauling costs and be used in lieu of straw for seeding? **Yes but should not be required**
11. Is the RGS for the lighting cables to be hung on the tower or just below ground going to the tower? **Propose manufacturer recommendation; any solution must be in conformance with NEC or applicable codes.**
12. Do you have any more information on conduit requirements: **PVC conduit shall be sufficient, include (1) spare each**
  - a. Telco conduit size, quantity, type **Minimum 1 inch**
  - b. Power conduit size, quantity, type **Minimum 2 inch**
  - c. Generator conduit size, quantity, type
  - d. Light cabling conduit size, type **Propose manufacturer recommendation**
  - e. Light cabling conduit size, type **Propose manufacturer recommendation**
13. Do you have more information on requirements inside the shelter such as cable tray size, multiple coax entry points, EMT conduit runs, Telco board, etc.?

Minimum 12 port transmission line entry panel.

Minimum 18" Cable runway suspended from ceiling and arranged in a fashion to utilize the best space available per building size.

Shelter grounding system to be installed utilizing NEC and and the industry R56 requirement. I have attached a copy of the R56 document.

Six Quad recept. on ceiling spaced 24 inches

apart aligned with outside edge of Cable runway with

each plug utilizing separate breaker from a UPS subpanel.

Wall recepticals to be installed from the main panel  
to NEC code.  
Dual HVAC units. with lead, Lag.

14. Do you have any known requirements to enable the light monitoring system output to successfully communicate with the county Emergency Communications network?  
**Ethernet based system will communicate.**
15. What is the payment schedule (progress payments, 95% net 15, etc.)? **Progress payments acceptable based on milestones and approved inspections outlined in contract.**
16. Does a company currently have an annual contract for tower/wireless maintenance and repairs? **No , County interested in establishing this type of relationship**
17. Per appendix 3 – submittals / documentation: We are to provide scale drawings. Are tower drawings are not to scale. We don't have the ability to provide them either without a major cost impact. May we please provide our standard drawing and calc packages? **Yes**
18. Is the tower to be a self-supporting tower (page 20) our guyed tower (page 16)? **Guyed**
19. The lighting specifications: call out wire in conduit for the lighting cable. Our light kit vendors do not recommend the lighting systems shielded SO cable be placed in conduit.  
**Propose manufacturer recommendation; any solution must be in conformance with NEC or applicable codes.**
20. The cut off point for the E-1 lighting system is at 349' cost just under \$10k. The E-2 ALL LED lighting system for towers 350' to 500' runs around \$26k. Your appurtenances should not extend above 350' if you go with the E-1 lighting system.  
**Assume potential future appurtenances extending above 350 feet.**
21. Does the prime have to have a VA contractor's license? Our construction division "MUTI" holds a VA contractor's license. Would Sabre be able to bid this project and have our construction division complete the construction services required for the project? **COUNTY TO RESPOND**
22. Page 24 of your specifications mentions the tower is to have a down conductor sized per NPFA 780 class II materials. Per NPFA 780 steel structures do not require down conductors. The steel tower itself is to be used as the down conductor. Do you still want us to supply a down conductor for this tower? If so please tell us what size down conductor would you like us to provide? **NPFA 780 specifies down conductors be used on mast or guyed structures and that is the requirement for this tower.**
23. Page 24 of provided specifications are we to paint the tower per FAA? According to page 20 of the provided specifications the provided lighting system should be a dual lighting system with no paint. Please clarify. **Attached is the FAA determination of no hazard specifying marking and lighting required. Per that advisory additional marking is not required if the dual lighting system is used. The County will use the dual lighting system and not require the tower to be painted.**
24. Can you tell us what the grade elevation differences are on the provided plot plan? Not sure if each line represents 1', 5', or 10'? **Rhonda – this would be from Buddy's plan I believe**

25. Who is responsible for clearing the trees and stumps? **The compound and guy lanes have already been cleared. The construction entrance has been cleared as well.**
26. The specifications mentions ice shields but I don't see anything called out in the antenna loading for the ice shields. If you would like us to supply and design for ice shields please let us know where you would like them or over which antennas? **Ice shields are not requested in this solicitation as no equipment is being installed as part of this bid.**
27. Will the guy anchors will be at a radius of 250' from tower. Are the anchors on level ground? **Guy anchors will be at a radius of 250' from the tower and spaced radially at 120°. Anchors will be on level ground.**
28. Can you clarify the Section 3 requirement?

This type of project requires specialized personnel to perform the tasks at hand. We would not be able to advertise employment opportunities, interview, hire or train the personal in a timely manner that would be required to complete the project.

Our employees and sub-contractors have years of experience building communications sites (a very specialized field); with the technical requirements and safety concerns on a project such as this we would require not only past experience with any new hires but extensive in house and company sponsored training as well, that takes months if not years.

Please let me know if our concerns with the section 3 requirements disqualifies us for non-compliance or if there is an exception for specialized projects.

**Section Three requirements are job placement/hiring goals. We are simply required to document our efforts to place local businesses, women and minorities and the impact of federal dollars in this grant initiative. The finding agency will verify our efforts with contractors post grant close out.**

29. I have a few assumptions & questions regarding Surry County RFP.

We are assuming the County will be responsible for the following tasks:

- approval from the state or local governing authority for the proposed site;
- compliance with the National Environmental Policy Act (NEPA);
- compliance with the National Historic Preservation Act (NHPA); and may require
- notification to the Federal Aviation Administration (FAA); and
- Antenna Structure Registration (ASR) with the FCC.
- Final Construction Drawings based on information provided by winning contractor.
- Coordinating with local power company for the required commercial power. \*\*\*

Communications Shelter:

30. We are planning to provide (3) three shelter sizes, but it is unclear on commercial amp required. RFP states 200/400 amp. Are you requesting 400 amp service to the shelter? Or 400 amp service to the (2) position meter bay, 200 amp to each?\*\*\*

\*\*\*To Be Answered At A Later Date