



# **PUBLIC SAFETY RADIO TOWERS PROJECT**

## **ADDENDUM NO. 2**

Date: April 25, 2024

RE: Public Safety Radio Towers Project

BID DATE AND TIME:

Tuesday, May 14, 2024 at 2:00 p.m.

Location for the bid opening remains the office of the Shelby County Chief Financial Officer, located at 200 West College Street, Room 125, Columbiana, Alabama, 35051

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### **Clarifications:**

#### **General Clarifications:**

- Q1. Is there a buy American requirement for the steel?  
A1. Buy American for steel is preferred.

#### **Site 1- Shelby Site**

- Q2. - What size line for the (2) 700/800mhz antennas?  
A2. 1-5/8" TX  
7/8" RX
- Q3. What size line for the UHF antenna?  
A3. 1-5/8"
- Q4. What antenna does the TTA run to?  
A4. See below Antenna Detail example
- Q5. Does the TTA need a 1/2in coax test cable?  
A5. Yes
- Q6. Are the two microwave antennas waveguide or are they ODU's on the antennas?  
A6. Cambium PTP820G Dual Radio with coax to Commscope VHLP dishes
- Q7. If waveguide what is the frequency of both?  
A7. 11Ghz
- Q8. If ODU, is it coax or power and fiber to power them?  
A8. Coax
- Q9. Does the Propane tank that needs moved have propane in it currently?  
A9. Yes, the tank is currently in use.
- Q10. What is the construction of the shelter being moved (concrete, fiberglass, other) is the weight known?

- A10. Existing shelter is constructed of 4" concrete for the roof and walls. It weighs approximately 42,000 lbs.
- Q11. Are we responsible for filling the propane tank once moved?  
A11. No, the owner will have it filled.
- Q12. Do we need to perform generator start up once installed?  
A12. No, the owner will schedule with Generac to perform the start-up. Owner is supplying a new generator. Contractor is responsible for installing.
- Q13. Is compound fence 8ft chain link plus barbwire, or 8ft in total with the 3 strand barb wire?  
A13. Fence is to be 8ft galvanized chain link plus 3 rows of barbwire.

## Site 2- Dogwood Site

- Q14. What size line for the (2) 700/800mhz antennas?  
A14 1-5/8" TX  
7/8" RX
- Q15. What size line for the UHF antenna?  
A15. No UHF antenna at this site
- Q16. What antenna does the TTA run to?  
A16. See below Antenna Detail example
- Q17. Does the TTA need a 1/2in coax test cable?  
A17. Yes
- Q18. Are the two microwave antennas waveguide or are they ODU's on the antennas?  
A18. Cambium PTP 820G Dual Radio with Commscope VHLP dishes
- Q19. If waveguide what is the frequency of both?  
A19. 11GHz
- Q20. If ODU, is it coax or power and fiber to power them?  
A20. Coax
- Q21. Does the Propane tank that needs moved have propane in it currently?  
A21. Yes, the tank is currently in use.
- Q22. What is the construction of the shelter being moved (concrete, fiberglass, other) is the weight known?
- A22. Existing shelter is constructed of 4" concrete for the roof and walls. It weighs approximately 42,000 lbs.
- Q23. Are we responsible for filling the propane tank once moved?  
A23. No, the owner will have it filled.
- Q24. Do we need to perform generator start up once installed?  
A24. No, the owner will schedule with Generac to perform the start-up. Owner is supplying a new generator. Contractor is responsible for installing.
- Q25. Is compound fence 8ft chain link plus barbwire, or 8ft in total with the 3 strand barb wire?  
A25. Fence is to be 8ft galvanized chain link plus 3 rows of barbwire.
- Q26. Is fencing required to protect guy wire anchors?  
A26. Fencing shall be provided to protect each guy wire anchor and shall match compound fencing. Any location where guy wire is closer than 15' to the ground shall be protected by fencing.

## Site 3- Thompson

- Q27. Are we responsible for filling the propane tank once moved?  
A27. There is no tank to be moved for this site. Contractor is responsible for supplying a new tank.

- Q28. Do we need to perform generator start up once installed?  
A28. No, the owner will schedule with Generac to perform the start-up. Owner is supplying a new generator. Contractor is responsible for installing.
- Q29. Is compound fence 8ft chain link plus barbwire, or 8ft in total with the 3-strand barbwire?  
A29. Fence is to be 8ft vinyl coated chain link with black privacy slats. No barbwire.
- Q30. Is customer providing the line and all applicable material for the customer provided antennas?  
A30. No, All lines and material are provided by the contractor

NOTES: NO  
SUPPLIED  
PROVIDED  
MOTORO  
ANTENNA  
ASSOCIATE  
BASE OF T  
ANTENNA.  
AND TRAN  
CLARITY) A  
GROUND  
TOWER, B  
MIDPOINT

1. RG38 CABLE SUPPLIED WITH GPS/RUBIDIUM.

- | REF | DESCRIPTION   |
|-----|---|
| A   | 1/4" SUPERFLEX CABLE - ANDREW #FSJ1-504                         |
| B   | 1/2" SUPERFLEX CABLE - ANDREW #FSJ1-50                          |
| C   | 1/4" LDF CABLE - ANDREW #LD21-50                                |
| D   | 3/8" LDF CABLE - ANDREW #LD21-50                                |
| E   | 1/2" LDF CABLE - ANDREW #LD24-504                               |
| F   | 7/8" AYA CABLE - ANDREW #AY45-50                                |
| G   | 1-1/4" LDF CABLE - ANDREW #LDF6-50                              |
| H   | 1-5/8" AYA CABLE - ANDREW #AY47-50                              |
| A   | 1/4" SUPERFLEX BNC MALE CABLE CONNECTOR - ANDREW #F12PM         |
| A8  | 1/4" N MALE SUPERFLEX CONNECTOR - ANDREW #F12PMW2-H             |
| AC  | 1/4" N FEMALE SUPERFLEX FLAME CONNECTOR - ANDREW #F12PME        |
| BA  | 1/2" N MALE SUPERFLEX CONNECTOR - ANDREW #F42PMW2-H             |
| B8  | 1/2" N FEMALE SUPERFLEX CONNECTOR - ANDREW #F42PME              |
| BC  | 1/2" SC MALE SUPERFLEX CONNECTOR - ANDREW #F45SPOM              |
| BQ  | 1/2-7-16 DIN MALE SUPERFLEX CONNECTOR - ANDREW #F42PMW2-C       |
| CA  | 1/4" LDF N MALE CABLE CONNECTOR - ANDREW #F12PM-N-H             |
| CB  | 1/4" LDF N FEMALE CABLE CONNECTOR - ANDREW #F12PME              |
| DA  | 3/8" LDF N MALE CABLE CONNECTOR - ANDREW #F12PM-N-H             |
| DB  | 3/8" LDF N FEMALE CABLE CONNECTOR - ANDREW #F12PME              |
| DC  | 3/8" LDF TNC MALE CABLE CONNECTOR - ANDREW #F432TNC             |
| EA  | 1/2" LDF N MALE CABLE CONNECTOR - ANDREW #F42PMW2-H             |
| EB  | 1/2" LDF N FEMALE CABLE CONNECTOR - ANDREW #F42PME              |
| EC  | 1/2-7-16 DIN MALE CONNECTOR - ANDREW #F12PM                     |
| FA  | 7/8" LDF N MALE CABLE CONNECTOR - ANDREW #F15PM-N-BQC           |
| FB  | 7/8" LDF N FEMALE CABLE CONNECTOR - ANDREW #F15PME-BQC          |
| GA  | 1-1/4" LDF N MALE CABLE CONNECTOR - ANDREW #F12PMW2-BQC         |
| GB  | 1-1/4" LDF N FEMALE CABLE CONNECTOR - ANDREW #F12PME-BQC        |
| HA  | 1-5/8" LDF N MALE CABLE CONNECTOR - ANDREW #F12PMW2-BQC         |
| H8  | 1-5/8" LDF N FEMALE CABLE CONNECTOR - ANDREW #F12PME-BQC        |
| HC  | 1-5/8" LDF LC MALE CABLE CONNECTOR - ANDREW #F147M              |
| HD  | 1-5/8" LDF 7-16 DIN FEMALE CABLE CONNECTOR - ANDREW #F12PME-BQC |
| JA  | RG58 N FEMALE CABLE CONNECTOR - FURNISHED WITH CABLE            |

