



**JEA IFB – PROPOSED YULEE
OUTFLOW COMMUNICATION SITE
MODIFICATIONS – 2021
GENERATOR ADDITION SUPPORT
WORK**

SITE NAME: YULEE OUTFLOW

SITE ADDRESS: 463260 E. State Rd. 200, Yulee, FL

TOWER TYPE: MONOPOLE

TOWER HEIGHT: 180' AGL

Solicitation #1410261047: Yulee Outflow Communication Site Modifications

Appendix A: Technical Specification

OVERVIEW

JEA is seeking Bids from pre-qualified General Contractors to perform the installation of generator addition support work at an existing tower compound. The entire Scope of Work must be included on any Bid for consideration to be awarded the work. The Scope of Work is described in the following pages.

The General Contractor who is awarded the project shall provide a detailed schedule for the entire scope of work so the Owner's representative can be present to witness and inspect any aspect of the work.

The Contractor shall also include funding at a NOT TO EXCEED value of \$5,000.00 for a "Third Party Inspector" who responsibilities shall be as shown on the attached document entitled "Third Party Inspection Construction Management Engineering Services". These services will be provided by an Independent Contractor acceptable to JEA.

SCOPE OF WORK

The purpose of this Solicitation is to evaluate and select a vendor to provide Yulee Outflow Communication Site Modifications as described in this Solicitation (the "Work") and to determine the best method for JEA to procure the Work with regards to pricing, quality, design, and workmanship.

Furnish material, labor, equipment and supervision to perform various site modifications for the Yulee Outflow Communication Tower Site located at 463260 E. State Rd. 200 (A1A), Yulee, FL. 32097. All work included herein shall be performed per the approved set of permit construction drawings. Scope of Work shall include, but is not limited to, the following:

1. Clear and grub the entire area north of the existing communication tower site, a minimum of 50' from the northerly fence line; contractor shall remove, from the site, all cleared vegetation materials. Clearing should include the removal of all stumps and roots to at least five feet below grade.
2. Install the additional fencing and the 12' wide swing gate, which should match the existing compound fencing; this fencing shall be extended 30' x 50' to the north from the northerly fence line; JEA approved fencing standards shall apply; Note the last 20' x 50' of cleared area is reserved for a vehicle turn-around.
3. Grade the cleared area so as to maintain the current drainage patterns of the site; compact the entire area to 95% compaction minimum, per ASTM D1557; random testing of the compaction levels is required.
4. Install Mirafi 500X Geo Textile Fabric over the entire cleared area (50' X 50').
5. Install #57 Limestone over the entire 30' X 50' compound area a minimum of 2" thick. Install #57 Limestone over the entire 20' x 50' vehicle turn-around area a minimum of 4" thick compacted.
6. Install six 2' Ø X 9' deep drilled concrete foundation (shafts) with 0'-6" exposed concrete above grade (overall length 9'-6"), for the Yulee Outflow Generator Platform support piers, as shown on the JEA approved design drawings by CBVR Telecom Design Group.
7. Install two 1'-6" Ø X 5' deep drilled concrete foundation (shafts) with 0'-6" exposed concrete above grade (overall length 5'-6"), for the Yulee Outflow Generator Platform Access Stairway support piers, as shown on the JEA approved design drawings by CBVR Telecom Design Group.
8. Install a 4'-6" X 3'-0" X 12" thick concrete landing pad, with 0'-6" exposed concrete above grade, for the Yulee Outflow Generator Platform access stairway landing pad, as shown on the JEA approved design drawings by CBVR Telecom Design Group.
9. Install a 2'-0" X 2'-0" X 12" thick concrete platform foundation, with 0'-6" exposed concrete above grade, for the Yulee Outflow Existing Shelter Extension Platform for ATS access, as shown on the JEA approved design drawings by CBVR Telecom Design Group.
10. Install the required grounding systems per JEA minimum requirements, and as shown on the JEA approved design drawings by CBVR Telecom Design Group. This shall include, but not be limited to, the

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Appendix A: Technical Specification

grounding design and details as shown on sheets E-1, E-2, and E-3. The final configuration shall be coordinated and approved by JEA Construction Manager prior to installation.

11. It is the contractor's responsibility to obtain all applicable permits required for the installation of the work described above, and as shown on the JEA approved design drawings by CBVR Telecom Design Group.
12. Note, the fabrication and installation of the elevated generator platform and ATS access extension platform, including the platform stairway; and the associated permitting, will be performed by others.
13. Note, the installation of the generator, and the associated permitting, will be performed by others; this includes the commissioning of the unit upon completion.

The foundations shall be installed in strict accordance with the design drawings as provided by CBVR Telecom Design Group. Any deviation from this design shall be requested in writing from the JEA Representative prior to the start of any work. The concrete mix design shall be submitted for approval one week prior to the start of any work. The concrete shall have a minimum 28 day compressive strength of 4500 PSI. Note that concrete break tests will need to be performed at 3 days, 7 days, and 28 days. Foundation forms cannot be stripped for a minimum of 24 hours after the last concrete has been placed.

Contractor shall work closely with the preferred concrete supplier to guarantee there is a batch plant within reasonable distance from the site. No concrete will be placed if the time from batch to pour exceeds 90 minutes. Contractor is also required to provide batch tickets from their supplier for each truck required to complete the work. Scanned and legible copies shall be sent to JEA one day after completion of the work.

All spoil and slurry materials (if applicable) shall be removed from the site by the contractor.

Contractor shall provide a two (2) year warranty against defects in materials installed as part of the scope of this work. Warranty shall commence upon written release to JEA from Contractor, upon satisfactory completion of all work. This warranty only applies to the work that is performed by the general contractor. All other work is warrantee direct to JEA.

Completion of the work shall be no later than April 1, 2021; it will require coordination with other contractors who are performing other work at the site during the performance of this work.