Procurement Bid Office
Customer Center 1st Floor, Room 002
21 W. Church Street
Jacksonville, Florida 32202

November 4, 2019

Addendum Number: **One (1)**

Title**: Engineering Services for the 69 kV circuit 663 Reconductor**

JEA Solicitation Number: **003-20**

Response Due Date: **November 19, 2019**

Due Date Time: **12:00 PM**

Time of Opening**: 2:00 PM**

This addendum is for the purpose of making the following additions, deletions and changes.

Add: PLS file has been provided with this Addendum 1.

Clarification: The Proposer need only submit one electronic copy by flash drive or cd.

1. Question
A. JEA Response

1. For the culverts that are to the north of the Cinderella Rd. and Harlow Blvd. intersection, how far should the patrol road be built out and what is the construction/material recommendation?
A. All Culverts should be replaced with class V RCP with head walls or mitered end sections. The width needs to be made as wide as feasible as determined by the consultant, so that pole trucks and construction equipment can easily maneuver past the culvert.

2. In that same crossing, to what extent should the areas of wash-outs be rebuilt?
A. JEA decided not to address the existing washouts in the design. No design work is to be included for washouts.

3. Would there be a need to accommodate any fiber optic cable on the new transmission structures?
A. Accommodations for one (1) future JEA fiber optic ADSS cable should be made available on each transmission structure. Tangent structures should have fiber attachment accommodations on both the front and back faces of the poles, to aid during a fiber replacement project in the future if necessary. The cable will need to be installed below the C-phase transmission conductor and above the top distribution phase attachments on the transmission poles. The cable to be used for the design is to be a 25kV track resistant AFL 72 count ADSS fiber optic cable, specification DNA-31428 (attached). The cable must be placed far enough form the transmission phase conductors so that:
    a. The induced current on the cable does not exceed 1mA
    b. The space potential for the cable's location does not exceed 25kV.
    c. The electric field does not exceed 14kV/cm (if corona rings are not considered)

    AFL may need to be contacted to help determine cable attachment locations relative to the transmission phase attachments based on analysis.

4. Is the distribution that runs alongside circuit 663 in the same corridor to be consolidated onto the new structures or is the distribution to be left alone? And if so, is the distribution plating to be done as a part of this scope?

A. JEA decided to not consolidate the existing distribution onto the new transmission poles. The new transmission poles should have accommodations for future distribution lines where feasible (none where not feasible). The only place where distribution should be placed onto the proposed transmission line is where it is currently existing. The consultant will be responsible for the distribution design and plating.

5. What is the standard conductor size for the underbuilt distribution and neutral?

A. The phase conductors should be assumed to be 636 AAC "Orchid" conductors. The neutral and secondary should be assumed to be a 4/0 AAAC "Alliance" wire.

6. What size shield wire is to be used on the transmission circuit?

A. The shield wire shall be a 3#6 Alumoweld wire.

7. For the spans running along San Juan Ave, is it acceptable to increase the span lengths and top what would be intermediate distribution poles?

A. Yes, longer span lengths may be used. Any topped poles to be used as intermediate distribution poles can be used as long as they meet code clearance and loading requirements.

8. For the spans running along San Juan Ave. where there is a zero-lot line with no space for setback, would rerouting or easements be appropriate to consider?

A. A reroute of the original alignment is acceptable, but is not preferred. A purchase of easements to allow for pole placements along the existing route is appropriate and is the preferred option. All new poles must meet the setback requirements alongside San Juan Avenue, or any alternate route, as directed by current codes.

9. Is it possible to obtain a copy of any shape files, maps or PLS-CADD files that you have for the area that needs this work?

A. JEA will provide all available drawings of the original transmission line and any modifications made to it thereafter. In addition, a pls-cadd backup file with LiDAR data (from January 2011) of the transmission line will be made available along with a google earth map of the circuit.

10. Do the new transmission structures/line need to be built to match the existing structures/line?

A. No. The new structures may use different spacing and heights to achieve an economical design for construction/ maintenance.

11. Should all wood poles be replaced?

A. Yes. All wood poles should be replaced with spun cast concrete or steel poles regardless if the existing poles meet the new loading criteria. All existing steel or concrete poles may be reused if they are able to meet the code loading requirements.

Acknowledge receipt of this addendum on the Response Form