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

February 13, 2018

ADDENDUM NUMBER: **Five (5)**

TITLE**: GIS Electric Distribution Design Solution**

JEA ITN NUMBER: **040-18**

RESPONSE DUE DATE: **February 27, 2018**

TIME OF RECEIPT: **12:00 PM**

TIME OF OPENING**: 2:00 PM**

THIS ADDENDUM IS FOR THE PURPOSE OF MAKING THE FOLLOWING CHANGES OR CLARIFICATIONS:

1. **REVISED DOCUMENT:** A revised copy of Appendix D- Requirement Response Workbook has been included with this addendum. The changes include the following:
   - Removed references to a specific vendor solution name
   - Left the desired functionality intact, but did not specify particular vendor specific tool names
   - Added water/sewer/reclaimed/chilled requirements

2. **CHANGE:** Section 1.1.1. Scope of Work has been change to reflect the change below in bold and highlighted.

SCOPE OF WORK
The purpose of this Invitation to Negotiate (the "ITN") is to evaluate and select a vendor that can provide a software solution to facilitate the design of electric distribution construction jobs, and subsequent, fully automated conveyance of the design information into the ESRI ArcGIS Spatial Database Engine (SDE) geodatabase, as noted in Section 1 of Appendix A JEA current state, for as-built and network modeling. This solution should accommodate current JEA work processes required to design new jobs and create a comprehensive construction package for each job. The solution shall include strategies, methods and tools used to complete construction jobs including design, Compatible Unit (CU), Construction estimate (CE), Bill of Material (BOM), construction drawing, redlining, as-built, geometric network modeling.

The software solution should at a minimum:
   - Design new electric distribution construction jobs in a GIS environment or an environment with seamless integration with GIS ;
   - Generate construction drawings;
   - Print construction drawings at all necessary scales and page sizes;
   - Model all electric distribution assets including but not limited to streetlights, poles, underground / overhead primary conductor, secondary conductor, transformers, fuses, switches, reclosers, sectionalizers, etc. as symbols (graphics) in the design process;
   - Include applicable non-construction related elements such as dimensions (measurements), north arrows, scale bars, title blocks, etc. in the construction package design hard-copy drawings.
   - Include a legend in the construction packet hard-copy drawings depicting all of the different types of assets on the construction drawing.
   - Generate multiple design versions of a single construction job for comparison purposes;

- ~~Initiate all ArcFM functionality such as the ArcFM Feeder Manager, auto-updaters, and field updaters upon as-builting the construction job and inclusion into the electric distribution esri geometric network model.~~
- All as-built information is to be modeled in the enterprise esri ~~Oracle~~ geodatabase running the esri SDE.
- Include industry standard electric distribution construction job plating functionality such as CU's, CU library, and CE within the design environment;
- Include job material forecasting functionality such as creating, updating, and cancelling forecasts within the design environment via an integration with the Oracle eAM solution;
- Generate a comprehensive construction package including the design drawing, BOM, and all other applicable construction related documentation from a single application environment;
- Include the ability to import existing design drawings from other file formats such as AutoCAD dwg and Microstation dgn, modify the imported designs in the design solution, and export the final design drawings to the afore mentioned formats;

3. **INQUIRY:** Line 19, there is a requirement for such things as: fringe benefits, material handling costs, billable equipment depreciation. Are these cost factors included in the composition of the Compatible Unit or is this functionality that is to replace what would be in a financial system?
   ➢ **RESPONSE:** The cost factors not included in the CUs. It's added at the time of the cost estimate creation.

4. **INQUIRY:** Line 62, there is a requirement to generate a Materials Forecast, is this a Bill of Materials for the design, or is this checking the Materials that are currently on-hand in the warehouse/yard and forecasting what materials will need to be ordered from vendors?
   ➢ **RESPONSE:** This is the Bill of Materials. The purpose of this to create a material demand in Oracle. There is no need to compare the Bill of Materials to the on-hand quantities.

5. **INQUIRY:** Line 140, there is a requirement: "Maintain all existing mapping/ analysis/editing functionality, including managing the electric geometric network, conduit network management, fiber network management, and modeling all other existing assets as is available in the present GIS solution." So are you intending to maintain your existing GIS system?
   ➢ **RESPONSE:** We intend to maintain all of the existing GIS functionality.

6. **INQUIRY:** Line 141, there is a requirement: " The system shall create design data information exportable into an Oracle SDE geodatabase as a pre-prepared version fully digitized and attributed as per the existing geodatabase schema.", should this read an "ESRI SDE Geodatabase, running on an Oracle RDBMS"?
   ➢ **RESPONSE:** This should read "into a relational database management system (RDBMS) capable of implementing the esri Spatial Database Engine (SDE)", and should not reference a specific RDBMS vendor."

7. **INQUIRY:** Line 142, there is a requirement: "Initiate all ArcFM functionality such as the ArcFM Feeder Manager, auto updaters, and field updaters upon as builting the construction job and inclusion into the electric distribution esri geometric network model.". Is the plan to retain ArcFM and not review other systems?
   ➢ **RESPONSE:** We intend to maintain all of the existing GIS functionality.

Acknowledge receipt of this addendum on the Response Form