

CITY OF MOGANTON GIS UTILITIES NETWORK IMPLEMENTATION AND ASSET COLLECTION ADDENDUM ONE.

Q1. Can We ask our partners to participate into this tender? We might not able to do survey part.

Answer: Yes, you may use subcontractors or partners to complete the project. However, we will only sign one contract with the proposer.

Contracts or agreements with subs and partners will be between them and the proposer.

1. Is it required to use the “new ESRI Electrical Network Model”, or is Morganton open to an industry best practice model (Asset Groups & Asset Types) with the addition of the city’s critical attributes?

We are open to other models. Our goal is to be able to perform tracing from source to load. We will most likely not get into the engineering analysis like fault current, load flow, etc.

We currently use ArcGIS pro for our work orders. But, we are also open to other suggestions. We would like to be able to interface with our SCADA system (Survalent) and our CIS system which will be changed to the Harris (Munis) system beginning fall of 2024.

2. There is a percentage of High Voltage equipment (transformers) in the dataset, do you want a transmission tier or is your system all distribution?

We are only interested in mapping each circuit from the substation breakers. We won’t need a transmission tier.

3. Will the Esri environment(s) be installed and configured or would you like help with that?

We are currently using the arcgispro-py3 environment.

4. What Esri environment(s) will be available or installed for this project (e.g., Production, Test, QA, Development)?

We do not anticipate the need for new environments to be installed. But, we are new to this, so we are open to suggestions.

5. Who is creating the enterprise geodatabase in the city’s environments?

Our GIS Manager is Stephen Fox. He is currently on leave, but can answer questions by email.

6. For assets such as a three-phase overhead transformers you have them represented as a single feature – in the UN there will be a single feature on the map but three features in a non-spatial table representing each overhead transformer.

a. How do you want to handle the asset numbering in this scenario – does each asset get it’s own?

We would like to have each individual asset numbered. There would be three assets in a three-transformer bank.

- b. Does the above apply to switches, fuses, etc.?  
Yes

7. Please define “FGDC (Federal Geographic Data Committee) standard metadata”.

FGDC recommends an ISO 1911\*\* Metadata type. We want to make sure that whichever editor or collector we use, it will be compatible with our data type.

8. Can the final delivery be a Utility Network Asset Package – this can then be applied to the enterprise geodatabase?

I think that will work. Although, we have not been able to get the ESRI Electric Utility Asset Package to work with our data.

9. Under Goals and Objectives: Update new data model to capture data specific to the City that is not currently in the new Network Model – is this referring to capturing assets in the field such as fuses which are not in the current GIS? Is there a list of these potential items (e.g. arresters, pole guy, fault indicator, etc.)

Our end goal is to have an updated system inventory which represents our distribution system. We would want to verify the existing, and add any unrecorded: Poles, electric lines, fuses, transformers, switches, and other connected distribution equipment. We do not need arrestors or fault indicators.

10. Under Goals and Objectives: Configure ESRI Field Maps to perform data collection on City’s portal site – what is it you are looking to collect?

We want to be able to update our maps by editing existing, and adding new assets.

11. How many people will need to be trained?

Two or Three

12. Aside from training, what other organizational change management deliverables will be required?

Training will be all we need.

13. Are there any integrations with other systems that need to be considered?

We currently don’t have any integration software. But, we will eventually like to integrate with our CIS and SCADA. That can be an option for this project.