

ADDENDUM NO. 2

DATE: January 8, 2021
TO: All Bidders
FROM: Julie Smith Maxwell, Procurement Specialist
SUBJECT: Addendum No. 2 – Arc Flash Analysis
BIDS TO BE OPENED: Thursday, January 14, 2021, at 11:00:00 a.m. Eastern Time

This addendum is being published to respond to questions regarding the above-referenced Invitation to Bid. This addendum becomes a part of the Contract Document and modifies the original specifications as noted.

Question 1: Will alternate proposals be considered under this ITB?

Response: The City cannot accept an alternate proposal.

Question 2: Will the successful bidder be provided with an overall map of the lights/signals/flashers that show their respective meter points for the utility feeds?

Response: This work will consist of a site visit (post award) to determine connection points. Map provided will be based on location map points only. Maps will be done in sets while working in geographical areas like North Knoxville, South Knoxville, or Downtown Area.

Question 3: Refer Invitation to Bid, Page 1, Paragraph 2: Sentence 2 refers to Contract term limit and potential annual renewal periods. How does this sentence apply to this project? This project seems to be for a lump-sum bid amount to perform a fixed amount of work over a fixed time period. Sentence 2 language appears to apply to “On-Call” type of contracts instead of “Lump-Sum” type.

Response: This is a standard contract agreement. It is the intent of the City to have the work done for a lump sum.

Question 4: Refer to Addendum No. 1, Question 2 and Invitation to Bid, Pages 7 and 8, Items 16 and 17: In Addendum Question 2, Sentence 1 says “a payment bond and a performance bond”. Sentence 2 says “any bid or performance bonds”. Can you further clarify which bonds listed in both Items 16 and 17 of the Invitation to Bid are required, if any?

Response: Bonds do not apply to this contract.

Question 5: What technical qualifications are required to submit a bid to provide the services outlined in the Invitation to Bid? Will the Analysis/Study be required to be performed under the

responsible of charge of Tennessee licensed professional engineer? Will the final report be required to be sealed by a Tennessee licensed professional engineer?

Response: Awarded Contractor must be specialized in performing this type of work. All necessary information shall be gathered and all electrical systems analyzed from the utility connection point to all equipment connections. All field technicians and/or service engineers shall be trained in electrical and arc flash safety and shall utilize their own PPE. All work shall be done in accordance with latest NFPA 70E and IEEE Standard 1584. A Tennessee licensed professional engineer is preferred, but not a requirement.

Question 6: In addendum 1 question 1, it lists that there are 397 intersections and 180 flasher beacons, however the question asks for a list of electrical equipment and electrical enclosure associated with each location. Every piece of electrical equipment and enclosure will require a label. If an equipment and enclosure list cannot be provided, are we expected to decipher in the field how many labels will be required in the field?

Response: Each system will normally require 2 labels; one at the cabinet and the other at the service disconnect. A small number may require three labels.

Question 7: In addendum 1 question 1, it states that no site visit is being is planned at this time. Is that a site visit for the city? That is in direct conflict of item #3 under the “Scope of Work” section which states: “3. The Contractor/consultant shall collect all data on the existing electrical equipment and is NOT to assume that any drawings or documentation exist to aid in the collection or analysis.”

Response: The City interpreted the previous question as a “pre-award site visit”. A site visit will occur with the awarded contractor (post-award) to provide an understanding of what equipment shall be addressed within this contract.

Question 8: In the arc flash report, do we need to submit Time-Current Curves (TCC), electrical components schedule, cable schedule, and protective device schedule?

Response: Any additional information to make the report a complete and thorough analysis is desired. One line drawings are not limited to just the information requested. The main objectives are listed as follows:

- a. Short circuit analysis
- b. Bolted fault current analysis
- c. Protective device coordination analysis
- d. Boundaries
- e. Arc flash hazard analysis
- f. Incidental Energy
- g. Interrupt rating analysis
- h. Customized electrical safety program
- i. Tool analysis
- j. Arc flash and shock hazard warning labels

Question 9: Will the City be providing a trained person to open all of the electrical boxes?

Response: Yes. The awarded contractor will be accompanied by a City of Knoxville staff member for this task. The awarded contractor shall schedule this work in advance with City Engineering.

Question 10: Can we get a list of previous electrical subcontractors who have worked on and anyone who currently maintains the electrical boxes?

Response: The City has worked with electrical firms Progression Electric and Stansell Electric. Maintenance on all electrical boxes is performed by City of Knoxville employees. Note: Any costs associated with consulting electrical firms are to be borne by the bidder and not the City of Knoxville.

Question 11: Will the City be printing the labels? Will the City be applying the labels? Or are one or both to be included as part of the proposal?

Response: See Section "Arc Flash Analysis" item 5 and 6. The awarded contractor shall provide and affix labels as a part of the scope noted within this invitation to bid.

Clarification:

The City of Knoxville Traffic Systems equipment are within the City of Knoxville limits that span across 105 square miles. Bidders are encouraged to take into account all information provided within this Invitation to Bid when preparing pricing for a bid submission.

END OF ADDENDUM NO. 2