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RE: Project Name: ARC Flash Study
Project Number: 170011736
Project Location: Statewide
RFP Opening Date and Time: **March 14, 2018 @ 2:00 PM local time**

3. **Question:** Technical question 8 asks if a qualified electrician needs to be brought onsite to open panels, the answer states no they are not required. To perform the work listed in

this project it is required to open up and access the electrical equipment which by OSHA rules, requires a qualified person (electrician) to do this. Can a clarification be drafted that a qualified person shall be onsite to open up and access electrical equipment?

Answer: The contractor shall ensure only qualified persons conduct work under the resulting contract. See National Fire Protection Association (NFPA) 70E – Article 205.1 Qualified Person for the definition of qualified person.

4. **Question:** Additionally, there is concern with amendment #3 which states that a contractor isn't required on-site, yet the work requires electrical panels to be opened to properly perform the work. There is concern that this could be an OSHA violation and could expose the State to liability.

Answer: It is the contractor's responsibility to ensure work is conducted within all federal, state and local laws. See above question and answer #3.

Technical Questions – The following are questions from the interested parties and the department's response:

1. **Question:** Protective device coordination, load flow, and short circuit interrupt rating studies are stipulated in the scoping documents, without a narrative on expected procedures, deliverables, etc. What level of detail is the DOC expecting? Are these required to be studied? If a coordination study is performed, contractor will adjust settings based on results. Any swapping of fuses, or replacing of breakers, to be performed by others.

Answer: Load flow has been removed. Recommendations on replacement of components for coordination is included in RFP, work to be performed under separate contract. Level of detail required is to support the arc flash calculations and make recommendations on modifications if required.

2. **Question:** Are we expected to mark up the provided drawings with those field items that differ?

Answer: Note items of significance and any modifications made. Per 260573.1.3.A, redlines will be drafted into record drawings by Owner (us).

3. **Question:** Are labels to be affixed only to equipment shown on drawings? Or are we responsible for labeling/studying equipment downstream of the drawn equipment that might be uncovered during site visits?

Answer: Per addendum #3 Technical Q&A #51 - Yes. If additional equipment is discovered, notify DOC to scope.

4. **Question:** Do conductor sizes need to be verified by inspection, or can we trust in the cable schedule?

Answer: Wire sizes indicated on drawings and feeder schedules were not visually verified during the RFP preparation. These sizes generally came from record drawings, and per 260573.3.2.A(5), will require verification when panels are opened. Alternate methods for unknown feeder sizes, such as modeling +/- sizes based on overcurrent protection, should be included in the RFP response if appropriate.

5. **Question:** Please clarify the usage of cameras to document onsite equipment.

Answer: Cameras are allowed to be used for completing the work of this contract. No inmates, exit doors, or security controls systems may be photographed.

6. **Question:** Will there be WiFi available onsite for contractors to use? Are any sites outside of cell tower range?

Answer: No, wifi is not available onsite.

7. **Question:** What are the expected hours that contractors can be onsite?

Answer: The work hours are Monday thru Friday, 8am – 5pm.

8. **Question:** Will there be maintenance personnel available to accompany the contractors during their entire time at each correction site?

Answer: Per addendum #3 Technical Q&A #5 - Facility maintenance staff members will escort workers as needed. For proposal purposes and barring any emergency at the facility, proposers can assume that an escort will be provided during all work hours stated within the contract.

9. **Question:** The RFP indicates 4160/480/208V equipment is to be surveyed for Arc Flash. There is 12470V Switchgear equipment at some sites, is this to be included in the Arc Flash Study?

Answer: Yes.

10. **Question:** Is it expected that a third party Engineer (or the Design Engineer) will need to review the Arc Flash results before the stickers can be affixed to the equipment?

Answer: Per addendum #3 Technical Q&A #2 - RSA will review reports prior to printing labels. This review is not intended to be exhaustive, but will be used to double-check equipment names, verify that calculated values appear reasonable, etc.

11. **Question:** The sequence of work lists sites to be completed in specific order, can this be changed by the contractor for efficiency?

Answer: Per addendum #3 Technical Q&A #19 - The Work Sequence may be modified to start phases 1-3 at the same time, although work at Anchorage Correctional Center East (ACCE) shall be started and completed last. The reason for this is that ACCE will have concurrent construction work on the power distribution system and that project needs to be completed prior to the Arc Flash Study.

12. **Question:** The schedule established in the RFP seems accelerated. Is the state flexible in extending the contract completion window? If so, may the bidders propose a new schedule in our offering?

Answer: Per addendum #3 Technical Q&A #12 - The project duration shall be increased to 150 days.

End of Addendum #4

Please be reminded that all addendums must be acknowledged on your bid proposal.

Sincerely,

Evan Patterson
Procurement Officer

cc: Dan Aicher, Project Manager, DOC
Clifton Reagle, Facilities Manager, DOC