

The FOPR shows only one CLIN for this project to cover both the design and construction costs, and the SOW indicates that there should be two CLIN's, one for the design portion, and one for construction. Please confirm which CLIN schedule contractors should follow in their proposal

Please distribute it into 2 CLINS, breaking down design, and construction.

SIMILAR/DUPLICATE QUESTION::: The statement of work states that contractors are to perform Arc-Flash calculations for all new electrical disconnects during the design. Has there been any arc flash or power studies in this building that can be provided to contractors? If there are no available arc-flash studies for the building, please provide an approximate count of electrical equipment within the building being fed from the exterior transformer. This information will be necessary in providing pricing for the arc-flash study

The arc flash study will be deleted from the SOW.

DUPLICATE QUESTION//POP QUESTION::: Please clarify if per the FOPR (Page 7, Item 12 / Section C. / Item i.), work will commence 10 calendar days after receiving NTP, and the complete Period of Performance is 180 calendar days, OR if per the SOW (Page 1, POP), the complete Period of Performance is 270 calendar days. Also, as per to the CLIN Structure attachment 4, design line item is 119 days and construction line item is 272 days. Please clarify which is **Period of Performance has been extended to 390 days per UPDATED SOW. F**

The general IMACC specifications indicate that if there is no requirement mentioned in the task orders, that (2) site personnel will be required to fulfill the roles of Superintendent, QC Manager, and SSHO. Due to the limited scope of work, and the close proximity of all of the CRAC units, can a single, duly qualified individual "triple hat" and fulfill the roles of the Superintendent, QC Manager, and **DUPLICATE QUESTION:::** Can the Superintendent be three hatted and perform t **Yes.**

The statement of work calls out the design iterations to consist of a 33%, 66%, 95%, and Final design iteration submittals. Would the government permit removing one of the design iterations due to the limited scope of this project? **No**
There is no mention of government review durations for the design submittals. Please provide the design review time required by the government. **The government reviewers will be given 2 weeks to review each design submittal.**

Due to the current period of performance and the limited scope of work a

SIMILAR QUESTION::: How many government design review days would the Government require for each Design milestone (35% / 65% / 95%) submittal?

The government reviewers will be given 2 weeks to review each design subn

Due to the age of the existing units and the building, please confirm if contractors are to provide any costing for a HAZMAT survey to determine if any lead or

Yes, Contract bidders are to include only a cost for a HAZMAT survey & sampling in their bids

Please confirm if contractors are to assume any lead/asbestos abatement will be required. If so, how much abatement should contractors assume is required?

For bidding purposes, bidders are not to include any costing for any lead/asbestos abatement effort

SIMILAR/DUPLICATE QUESTIONS::: Is there any known asbestos insulation in a

we would like to request any available existing documentation, including but not limited to: Blueprints & pictures of the building; Electrical schematics; Structural layouts; Mechanical/plumbing drawings;

DUPLICATE REQUEST::: Please provide the electrical drawings if available.

The SOW indicates the procedure to be followed for obtaining drawings.

The statement of work indicates that (7) existing CRAC units are to be replaced. Are contractors to assume that the new CRAC units will be of the same size/capacity as the existing units? **Yes**

There appears to be no reference to Division 01 specs provided by the government for this project. Can these be provided to contractors?

should be using specifications from the Construction Specification Institute.

Due to the CRAC units being located in a SCIF, and contractors not being permitted to take photos, could the government please provide photos of each

CRAC unit's nameplate. Photos are not available. Did the project based on the data you obtained during the government arranged site visit for all contractors bidding on this Project

Due to the CRAC units being located in a SCIF, and contractors not being permitted to take photos, could the government please provide photos of the

existing underfloor piping. Photos are not available. Did the project based on the data you obtained during the government arranged site visit for all contractors bidding on this Project

Due to the CRAC units being located in a SCIF, and contractors not being permitted to take photos, could the government please provide photos of the disconnect and conduit leading into each CRAC unit?

Photos are not available. Bid the project based on the data you obtained during the government arranged site visit for all contractors bidding on this Project

Due to the CRAC units being located in a SCIF, and contractors not being permitted to take photos, could the government please provide photos of where the chilled and hot water lines lead into the room from the mechanical room?

Photos are not available. Bid the project based on the data you obtained during the government arranged site visit for all contractors bidding on this Project

The SOW is not specific about the resiliency of the new CHW loop. It says, "one loop for all 7 CRACs", but the current installation configuration implies concurrent maintainability (especially the requirement that the facility remain operational throughout construction, except for a single allowed weekend shutdown). What is the required resiliency rating of the new installation? Verify that we are just replacing the units indicated in the scope of work as presently installed, not

Bid the Project based on the SOW requirements.

The SOW does not include replacement of chilled water distribution pumps. Please confirm that the scope does not include hydronic pump upgrades or modifications, that the existing chilled water lines are going to be used as currently configured.

Bid the Project based on the SOW requirements.

What is the current controls system for the existing CRAC units? Is the intent for these new units to tie into an overall existing Computer Room or Building DDC system? Will the points list and controls devices for the new CRAC units match the existing? Are we expected to improve the controllability of the equipment adding new controls components that are not present today?

The new CRAC units should be connected to the network. The points should be read only, meaning we will not control the units.

If the unit is capable, BACnet over IP is preferred. If not MODBUS or MSTP is okay to run for the communication protocol.

be pulled in from the unit controller. Unit Alarms and history trending should be added.

The current BAS system is Schnieder LONworks. The supervisor controllers

**Graphics and programming will need to be updated at the Niagara server.
Let me know if you need any more information, please.**

Has the computer room load changed since the (2) CRAC units to be replaced were originally installed? Is the expectation to match the size of the existing CRAC units or are we to evaluate the present-day computer room load and potentially unsize the CRAC units? If the latter, this may require ductwork

Match the size of the existing CRAC Units.

Does the computer room space and raised floor plenum have appropriate fire alarm and suppression devices? The SOW does not mention modifications to the fire alarm and suppression system. Confirm this is not included in the scope.

The Fire Alarm and Suppression System are not included in the scope of this

Kindly confirm the required amperage rating for the new disconnects serving the CRAC units. At this time, we are assuming a rating of 60A for each of the seven (7) CRAC units.

For bid estimating purposes assume that 100 Amp disconnects will be required.

Please confirm the final locations for the new CRAC units. In the absence of confirmed placement, we are currently assuming a feeder length of 300 feet for each unit.

Yes, assume, a feeder length of 300 feet for each unit.

Please confirm the appropriate wire size for the new feeders serving the CRAC units. At this stage, we are assuming each CRAC unit will be fed with a 60A-rated feeder.

For bidding purposes, assume #1 size copper wiring will be required.

Are the existing Cabinet DDC controls to be removed in their entirety?

The CRAC units do not have DDC control connected to them.

Who will remove the alarms on the units?

Bid the Project based on the SOW requirements.

Will the Govt provide replacement RAF tiles and pedestals? **No.**

What are the dimensions of each unit? (will they require disassembling before removal)

Bid the project based on the data you obtained during the government arranged site visit for all contractors bidding on this Project.

Will manufacturer startup suffice as commissioning or will a 3rd party commissioning agent be required?

Is US Citizenship mandatory at job site? **Yes.**

What is the configuration of the existing CRAC units (e.g. standalone, ducted, underfloor, etc.)

Bid in accordance with the SOW.

Are any modifications anticipated to the existing ductwork or raised floor system as part of this installation?

Bid in accordance with the SOW.

What is the control scheme of the existing CRAC units? Are they standalone, integrated with BMS, or other?

Standalone.

Will the new CRAC units mirror the control configuration of the existing units?

Yes.

Will the new CRAC units require configuration in accordance with an existing ATO (Authorization to Operate)?

Bid in accordance with the SOW.

Will the new CRAC units be supported by generator power, or will they be fed by primary power?

Yes, the new CRAC units will be backed up by generator power if there is a primary power source.

Is Direct Chilled Water (DCW) readily available within the ICD 705 area, or will new penetrations be required?

Bid in accordance with the SOW.

Are drainage connection points readily available within the ICD 705 area, or will penetrations through the floor be required?

Bid in accordance with the SOW.

Will power for the new equipment be sourced from within the existing ICD 705 area, or will a new power source be required?

Bid in accordance with the SOW.

Is the ICD 705 area shielded (e.g., SCIF construction standards)? **No.** If so, will RF testing or re-shielding be required?

Are the primary entrance doors to the ICD 705 area adequate to accommodate the removal and installation of the units? Do the units require disassembly prior to transport and reassembly within the space?

Bid in accordance with the SOW.

OPR will be updated

the QC and SSHO

ated to reflect that.

roles as well?

