REQUEST FOR QUALIFICATIONS
SOLICITATION PACKAGE ADDENDUM

Addendum #: 01
Addendum Date: 2024-02-28

Capital Project: NEWRITE Facilities
Capital Project #: CP1230170

To: All Request for Qualifications Holders of Record

The Request for Qualifications prepared for this project is hereby modified, amended, or clarified in the following particulars:

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<th>Attachment ID</th>
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ADDENDUM 1 ITEMS

Clarifications:

1. Have there been any studies or work by a design team to date on this?
   Response: No.

2. Is there any support needed from the design team on the grant submission? Graphics, renderings, narratives?
   Response: These services are not included in the initial agreement and may be added via amendment if determined necessary for the grant submission.

3. Is it accurate that the $80,000 is for site evaluation services for both Scope A and B, not for the full project professional design services?
   Response: The initial fee is to initiate design services for Scope A (s-NEWRITE) and Scope B. Remaining design services for either Scope or both will be added via an amendment to complete services necessary to design and construct the finalized project scopes.

4. Define the expected initial design services scope, as mentioned in the stipulated sum of $80,000 to initiate design services. How will the remaining design services fee be derived?
   Response: Refer to #3 above. The remaining fees will be determined with the Owner based on the finalized scope estimated to be complete in Predesign.

5. It is understood that the initial project team will be the architectural and structural disciplines, is there a timeline for when MEP will be brought on? As an amendment would that be within the initial Scope A project budget?
   Response: No schedule for sub-consultant addition has been established and will be coordinated with the Owner to meet the project's needs. Sub-consultant additions are expected to occur early under the initial agreement timeframe. Initial fees are not defined by discipline and will be reconciled as needed to accurately evaluate, pay, and report services provided under Phase 1.
Phase 1 Questions:

6. Confirm Phase 1 will include pre-design through construction documents.
   Response: Confirmed.

7. How will the 1/20th scale model be procured?
   Response: The RFQ notes design-bid-build for the s-NEWRITE scope. This may include formal or informal bidding, depending on the required building modifications and the associated estimated cost of the changes.

8. Will the design team provide the construction documents for bidding the 1/20th scale model?
   Response: Yes. The design team will be responsible for providing the necessary documents for building modifications related to the s-NEWRITE scope of work.

9. What is the digital delivery expectations (file format, level of detail) for the design team for the s-NEWRITE in order to be utilized by the research team and their digital event twin?
   Response: The digital twin is of the simulator and event simulations. If a facility model or digital information is needed for the simulator digital twin, required formats will be coordinated with the Owner when the need is identified.

10. Is the design team responsible for more than the building structure? What responsibility with the design team have related to the wind tunnel?
    Response: A research team led by ISU will be developing a digital twin that will be used to inform the design of the s-NEWRITE and NEWRITE facilities. The Design Professional will provide the required documentation for building modifications related to the scaled prototype (s-NEWRITE) in Howe Hall. Phase 1 also includes site evaluations and design through construction documents (shovel-ready documents) for the full-scale (NEWRITE) facility.

11. Does the University and the investigators have an opinion whether an expert consultant or national consultant is needed based on the specialty of this project?
    Response: An expert or national specialty consultant may be needed for this project. It has not been determined if this consultant will be direct to the Owner as part of the research team or retained by the Design Professional. If it is determined a specialty consultant is required to be retained by the Design Professional, the specialty consultant will be jointly selected with the Owner and added to the Agreement via amendment.

12. Where will the Phase 1 1/20 scaled model be located? Will this be within Howe Hall or somewhere else on campus?
    Response: s-NEWRITE will be located in Howe Hall, where the existing simulator is located.

13. Will the 1/20 scale funnel cloud simulation or straight-line winds or both?
    Response: The intent is to simulate tornado, downburst, and gust front. It is anticipated that the simulator design will be by the research team with impact to the structure and infrastructure addressed by the Design Professional to facilitate the installation of the event simulator modifications.

Phase 2 Questions:

14. Is the design team responsible for more than the building structure? What responsibility with the design team have related to the wind tunnel?
    Response: The Design Professional is not responsible for the simulator's design. The expectation for the design professional is that they will be responsible for providing input related to site selection, building systems, and infrastructure impact of the simulator requirements as they develop and produce contract documents to construct new or modify existing facilities.

15. Will the full scale wind tunnel be funnel cloud simulation or straight-line winds or both?
    Response: Refer to the response for question 13 above.
16. How will the full size house model be inserted into the wind tunnel? We ask to understand if experience with moveable platforms or overhead bridge cranes are needed.

Response: The method is yet to be determined and is dependent on the final simulator design. Experience with moveable platforms, bridge cranes, hydraulics, etc. may be required.

17. Does the exterior structure need to withstand a certain rating for weather?

Response: As required by applicable building codes. No special structural rating related to simulator operation has been identified to date.

18. What other programmatic elements will be part of this project? Testing, research, fabrication, classrooms?

Response: The program is anticipated to be minimal and will be developed further as simulator design and support requirements continue to be defined. The test space, a control room, restrooms, and mechanical/electrical spaces, as required by building code, comprise the known programmatic elements to date.

END OF ADDENDUM 01