

North Carolina State University - Centennial Campus Utility Infrastructure
Project Summary for Special Inspection and Construction Material Testing Services
October 10th, 2017

Project Description:

The objective of this project will be to implement improvements to Centennial Campus Infrastructure systems to support the addition of approximately 400,000 GSF of new building construction. Utility master planning efforts have identified strategic improvements to support additional square footage while improving efficiency, reliability & redundancy of the central utility distribution system. This project will increase chilled water supply capacity via installation of a thermal energy storage tank while reducing the electrical demand associated with the generation of chilled water. Power system improvements will redistribute system loads to alleviate overload on existing circuits, add redundant capacity, and allow for acceptance of new building loads. Additional fuel oil storage capacity, back up for natural gas during curtailment, will be installed to support increased demand on steam generation.

Project Scope:

The estimated total project budget, including soft costs, is approximately \$9.6 million. The University seeks the professional service of a qualified firm to provide Special Inspections and Material Testing Services for the project. The selected firm is expected to join the team at the beginning of construction.

Project Site:

The project will be located on Centennial Campus with a large portion of the work at the central utility plant.

Pre-Submittal Meeting:

None

Project Schedule:

Construction - Summer 2018 through Fall 2019

Design Process:

The selected firm will work through the North Carolina State University Capital Project Management providing 3rd party inspection and testing services. Normal involvement of the State Construction Office will occur.

Critical Selection Factors:

Interested firms can participate in the process by submitting a current SF 330 form and addressing the following in a written proposal. Please note that only one copy of the proposal is requested. Most of the criteria listed below can be accommodated in sections A-G of the 330 form. Section H can be used for any additional information. The total submittal, including letter of interest, is limited to 26 sheets of paper. Both sides of the sheet may be used for a total of 52 pages. Firms are requested to assure receipt of proposals at address listed below by **5:00 p.m. Nov. 2nd, 2017**.

1. Experience and expertise with similar projects.
2. Past performance on similar projects.
3. Experience with campus design projects
4. Adequate staff and proposed consultant team – qualifications and examples of previous collaborations.
5. Historically Underutilized Business representation in proposed consultant team
6. Current workload and State projects awarded.
7. Proposed design approach or methodology.
8. Recent experience with project cost estimates and schedule adherence.
9. Construction administration capabilities.
10. Record of successfully completed projects without major legal or technical problems.
11. A minimum of three references with current contact information.
12. Experience with TES systems, Medium Voltage Distribution, Fuel Oil Storage.

Designer Selection Process:

Following the receipt of proposals, a University Interview Committee, appointed by the Secretary to the University Board of Trustees' Building and Property Committee, will direct select and make a recommendation of selection to the University Board of Trustees' Buildings and Property Committee. The selected firm will contract with state through the University and coordinate services with the Capital Project Management Department design and construction PM.

Questions/Proposal Submittal:

In order that the selection process be as objective as possible, do not contact members of the Board of Trustees, or any university officials other than the project manager. All questions and project submittals are to be directed to:

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