North Carolina A&T State University
Bluford Street Residence Hall Material Testing Services
Site & Building Construction

Request for Qualifications
For Material Testing Services

Statement of Qualifications
Material testing agent who is certified testing firm in the State of North Carolina.

Project Description
The residence hall is approximately 136,000 SF, 4 story building with 405 beds including 1, 2 & 4-Bedroom Suites with Kitchenettes and gaming room.

Certification:
The Material Testing Agent chosen on this project must be a registered engineering firm in the State of North Carolina and meet all State Construction requirements.

Scope of Work:
See attached "Materials Testing Requirements" for a list of required testing (attached).

Project Site
The address for the campus of North Carolina A&T State University at 1601 East Market Street, Greensboro, NC 27411. The project is located at the University Main Campus F-Area (1001 Bluford Street).

Design Process
The selected firm will work through the NC A&T State University Office of the University Engineer and State Construction Office.

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 two hard copies and one electronic copy on a thumb drive of the proposal is requested. The length should be limited to 20 pages (single sided = 20 pages, double sided = 10 pages), exclusive of the SF 330. Firms are requested to assure receipt of proposals at address listed below by **3pm on March 15, 2024**.

Please include in proposal the following information:

- Specialized or related expertise in the type of project.
- Familiarity with State Project and State Construction Office
- Current University Work & Current Workload
- Work History with A&T
- Adequate staff and proposed team for the project, including resumes.
- Construction administration capabilities
- Record of successfully completed projects without major legal or technical problems.
- Proximity to and familiarity with the area where project is located.
- Other pertinent information

Selection Process
Following the receipt of proposals, members of the designer selection committee will review proposals, create shortlist, conduct interviews and make a recommendation of selection to the University Board of Trustees. Please note that shortlisted firms will be notified by **March 22nd, 2024** and interviews will be held the week of **April 1st , 2024**.

Questions/Proposal Submittal
In order that the selection process is 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 shall be directed to:

Winfred Locus, Jr., Project Manager
Tel: (336) 285-4503 (Office)
wblocus@ncat.edu

North Carolina Agricultural and Technical State University
Office of the University Engineers ~ DeHuguley Building

Mailing Address: 1601 E. Market Street
Greensboro, NC 27411

Hand Delivery Address: 602 N. Benbow Road
Greensboro, NC 27401

Material Testing Requirements

Earthwork

1. Soil compaction density testing during earthwork and utility backfill.
2. Subgrade evaluation and proof rolling.
3. Provide daily reports to include weather, construction activities observed, deficiencies noted, samples taken, etc.

Foundation Bearing

1. Foundation bearing capacity shall be verified prior to every concrete pour.
2. All fills shall have in place density testing.

Concrete

1. Concrete sampling/testing:
    a. Obtain one composite sample for each day's pour of each concrete mixture, no less than one composite sample for each 100 CY.
    b. Each sample shall contain (4) 6"x12" test cylinders or (5) 4"x8" cylinders. One cylinder shall be tested at 7 days and (2) 6"x12" or (3) 4"x8" cylinders at 28 days. The remaining cylinder shall be a reserve for 56 days if needed.
2. Test reports shall include the following as a minimum:
    a. Sample location
    b. Slump
    c. Air content
    d. Concrete mix strength
    e. Amount of water added at site
    f. Ticket number
    g. Batch time
    h. Sample time
    i. Concrete temperature
    j. Air temperature
    k. Method of depositing concrete
    l. Curing method
    m. Cylinder size and compressive strength

Concrete Reinforcing

1. Verify placement of all reinforcing is in compliance with contract drawings.
2. Verify all splices correspond to splice lengths noted on contract drawings.
3. Verify all required clearances and cover are maintained.

Structural Steel

1. Verify 50% of all field welding sizes and lengths.
2. Verify all braced frame welding sizes and lengths.
3. Visual inspection of roof and floor deck connections (25% of all connections).
4. Visual inspection of 50% of all bolted connections that are snug tight. Verify all ply's are pulled together and nuts are wrench tight.
5. Visual inspection of 100% of shear stud installation for quantity, spacing and full welds. If any questionable welds are present, perform a bend test to verify compliance.