




**Facilities Engineering  
and Architectural  
Services**

Campus Operations  
1001 East Fourth Street  
East Carolina University  
Greenville, NC 27858-4353

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## MEMORANDUM

TO: Interested Designers

FROM: Lloyd Nobles, Interim Director 

DATE: August 26, 2010

SUBJECT: Construction Materials Testing – Coastal Studies Institute

East Carolina University is requesting proposals from qualified engineering firms to perform Soils, Foundation, and Material Testing for the UNC Coastal Studies Institute Project.

The services for this project will include all elements and tasks needed for the testing services outlined in the Construction Drawings and Specifications for the site package and the building package. Respondents should familiarize themselves the scope of testing services required by both sets of the Construction Documents and organize their proposal by specification section. Some of the testing services will include:

### Soils

- Proctor and sieve testing of proposed engineered fill or onsite soils
- In place density testing of fill materials for compliance to project documents

### Cast-in-Place Concrete

- Collect and review concrete batch tickets to confirm compliance with approved mix designs
- Sample and test plastic concrete to include slump, air content, volume and temperature tests
- Cast concrete cylinder test specimens and compressive strength testing
- Floor flatness/levelness testing

### Paving

- Test in place density at sub-grade at each compacted fill and backfill layer
- Test in place compacted thickness
- Asphalt density and thickness

#### Structural Steel

- Verify use of correct filler material
- Continuous inspection of full and partial penetration welds, multi pass fillet welds and fillet welds greater than 5/16 inches
- Periodic inspection of all other welds
- Periodic inspection of steel framing
- Periodic bolting inspections
- Periodic inspection of shear stud welds including bend testing
- Ultrasonic testing of full penetration welds

#### Masonry

- Verify proportions of site prepared mortar
- Collect grout and mortar mix designs
- Preparation of test specimen and compressive strength testing

Interested firms should submit three (3) copies of your letter of interest and three (3) copies of your current SF254 to the following address by September 10, 2010:

Gina Shoemaker, PE, LEED AP  
East Carolina University  
Facilities Engineering & Architectural Services  
1001 E. Fourth St.  
Greenville, North Carolina 27858

In accordance with our qualifications-based selection system, designers are expected to make no contact with our University staff, faculty or trustees at this stage of the selection process. All questions should be directed to the attention of this office. The use of fax is highly recommended. East Carolina University encourages participation by MWBE firms and supports UNC system's policy of ensuring and promoting opportunities for Historically Underutilized Businesses.

Thank you for your interest in East Carolina University.