

**REQUEST FOR PROPOSALS
GEOTECHNICAL ENGINEERING SERVICES
MONCKS CORNER FIRE STATION
JULY 2016**

PART 1 - GENERAL

SUMMARY

The Town of Moncks Corner seeks the services of a geotechnical consultant qualified to perform the required services outlined in this RFP. The work performed by the geotechnical engineer under these requirements shall consist of conducting a complete geotechnical/foundation investigation for the adequate design and construction of building and site structures, and includes:

Field investigation/borings.
Laboratory testing.
Engineering analysis.
Foundation and paving recommendations.

The investigation and analysis shall be performed in compliance with the procedures outlined in this RFP and generally accepted principles of sound engineering practice.

QUALIFICATIONS

Geotechnical Firm's Qualifications: Firm must have a minimum of 5 years of experience in similar geotechnical testing and analysis.

Geotechnical Engineer's Qualifications: The geotechnical engineer who will perform the analysis and prepare the report must be licensed in the state of South Carolina and have a minimum of 5 years of experience in similar geotechnical testing and analysis.

Qualifying bids will not be consider from any company or likeness which has previously been employed for similar services in the Foxbank Plantation Development or is currently employed by the developer for similar services elsewhere.

PROJECT DESCRIPTION

Introduction: The Town is soliciting proposals for Geotechnical Engineering services in order to determine site suitability for construction of a one-story fire station.

Location: See attached conceptual site plan for approximate building location to be located in the Foxbank Plantation Subdivision on Foxbank Plantation Drive in Moncks Corner, SC. See TMS 1970001093 for site location.

The building consists of approximately 7,000 sq. ft. of new construction. It is anticipated that the building foundation will be continuous spread footings and that the building structure will include steel framing with metal stud walls, and cementitious siding with brick veneer wainscot. Asphaltic/concrete pavements are planned for the parking and drive areas with associated underground utilities and storm water drainage. The site is undeveloped property that was cleared of ground vegetation and trees by the subdivision developer in 2014.

PART 2 - DESCRIPTION OF REQUIRED GEOTECHNICAL INVESTIGATION

Consultant shall conduct a geotechnical investigation including records, research, field explorations, and laboratory testing to provide a geotechnical investigation report evaluating the data and providing specific geotechnical investigation recommendations for the construction of the proposed fire station. The investigation shall include, but not be limited to:

1. Researching available geologic documentation, previous geotechnical investigations, and other published and unpublished geotechnical information available in the vicinity.
2. Conduct a site reconnaissance to identify locations for subsurface explorations, evaluating site access, and contacting local service authorities to locate subsurface utilities.
3. Perform a field exploration at not less than ten (10) locations between the depths of 6 to 20 feet below the existing ground surface.
4. Provide constructability recommendations including suitability of site soils for use as structural fill, compaction requirements, dewatering, maximum slopes, and identifying any undesirable subgrade materials present such as old fill, refuse, rubble, existing foundations, and organic materials etc. which are recommended for removal.
5. The subsurface exploration shall be over seen and logged by an engineer or geologist. Representative bulk and relatively undisturbed soil samples shall be obtained and laboratory tested.
6. The Town shall be notified in the event that any odorous condition or discoloration found during soil sampling which may indicate a potential for site contamination.
7. Perform detailed laboratory testing to evaluate soil properties including, but not limited to, soil identification tests, direct shear, moisture and density, consolidation, and expansion/swell potential.
8. Prepare a geotechnical engineering report evaluating the accumulated information and developing conclusions and recommendations addressing the geotechnical aspects of the project.

GEOTECHNICAL REPORT

Provide a three (3) written copies and one (1) electronic copy (Adobe PDF format) of the geotechnical report, prepared and signed by a geotechnical engineer licensed by the State of South Carolina. The report, at a minimum, must include:

1. Description of Exploration Procedures.
2. Design recommendations and assessment. Indicate bearing capacity, soil lateral pressures, friction coefficient, pad preparation and other relevant design data as required determining the structural capacities of the existing soils.
3. Provide design recommendations for building foundations and structure based on determination of soil capacities.
4. Provide site classification determination per 2015 International Building Code.

5. If soil conditions appear incompatible for the proposed structure, provide design or soil remediation recommendations.
6. Provide Site Plan identifying test boring locations and bore depths.
7. Provide boring Logs indicating soil description, groundwater level, and penetration data.
Other relevant information which may assist the structural and civil engineers in the design of building and site structures.

Part 3 - RFP SUBMITTAL REQUIREMENTS

SUBMITTAL

- A. Submit three (3) copies of all required information to the Town of Moncks Corner at the time and date indicated below.
- B. Qualifications Statement: Submit geotechnical engineer's qualifications including:

Qualifications: On company letterhead, provide information showing compliance with qualifications outlined in this RFP. Include educational and licensing information for each engineer. References: Provide names and contact information for 3 previous clients for which the firm has provided geotechnical services.
- C. Provide fees/cost of Geotechnical Exploration and Analysis. Bid Form: Complete attached bid form.

DATE AND LOCATION

Submittal Date: All responses to this RFP must be received by the Town of Moncks Corner before 3:00 PM on Monday August 8, 2016.

Submittal Location: Address and deliver submittals to:

Marilyn Baker Clerk/Treasurer
Town of Moncks Corner
118 Carolina Avenue
Moncks Corner, SC 29461

END OF RFP

TOWN OF MONCKS CORNER
REQUEST FOR RFB
GEOTECHNICAL EXPLORATION AND ANALYSIS

I, _____, as an authorized signer for my company hereby certify that the geotechnical exploration and analysis fees/costs of services contained in this Bid proposal is accurate and correct. I also have read the scope of work to be performed in this RFB and submit this bid proposal for consideration.

Signed _____

Print name _____

Title _____

Company _____

Mailing Address _____

Phone _____

Date _____

FEES/COSTS OF SERVICES::

Geotechnical Exploration and Analysis: _____