

Request for Quotes
Marion Memorial Park Soils DCP & Infiltration Testing
Marion County, SC

The Pee Dee Regional Council of Governments (PDCOG) is requesting quotes on behalf of Marion County for soils infiltration testing for the Proposed Memorial Park within the city-limits of Marion on the Marion County Museum property. The County plans to construct a road and parking area using permeable pavers and a walking / bike trail with recycled porous paving. The existing 5.5-acre site is mostly a grassy lawn with mature trees scattered about the property. The deadline for quotes to be received is no later than noon (12:00 pm), September 18, 2019.

Quotes shall be lump sum and shall include all materials, travel, manpower and equipment necessary to obtain appropriate field samples of soils at the site including Dynamic Cone Penetration (DCP) results and infiltration rate of the subsurface soils near the proposed road and walking / bike trail locations and delivering a final report. This report should include findings of exploration, along with conclusions and/or recommendations.

Sampling shall be conducted by an AASHTO-accredited laboratory. Please provide proof of accreditation as well as references with the quote for services.

Completed report including summary, results, graphs and aerials depicting core locations, will be expected by October 30, 2019.

Marion Memorial Park : Located between W Dozier Street (S34-81), Wilcox Avenue (S34-830), W Godbold Street (S34-2), and N Withlacooche Street (S34-73) in the City of Marion, SC. See Sketch.

For details or if you have any questions, please email Dunae Shaw at dshaw@peedeecog.org or call (843) 702-3143.

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Scope of Services

- Perform shallow hand auger borings at a minimum of 5 test locations to a depth of approximately 4 feet below the ground surface plus two more as described below. Within each boring, perform Dynamic Cone Penetrometer (DCP) testing at regular depth intervals of about 1 foot in general in accordance with ASTM STP 399 “Dynamic Cone for Shallow In-Situ Penetration Testing” procedures. Fill the bores with suitable fill material. The subsurface conditions (including subsurface water) observed in the hand auger borings will be reported.
- Classify the soil samples, in general accordance with the visual-manual method described in ASTM D 2488, “Standard Practice for Description and Identification of Soils (Visual-Manual Method)” or United Soil Classification System method described in ASTM D 2487, “Standard Practice for Classification of Soils for Engineering Purposes”. Resulting classifications shall be presented on boring logs in the report along with DCP.
- Conduct two double-ring infiltrometer tests at the site: (1) in the general vicinity of the roadway, and (2) near the walkway/bike path. Conduct this testing in accordance with ASTM D-3385, “Infiltration Rate of Soils in Field Using Double-Ring Infiltrimeter”. Conduct the tests at a depth of about 2 feet. Perform a hand-augured boring in the vicinity of each of the double-ring infiltrometer test locations. Advance the borings to a depth of about 4 feet below the infiltration test elevation. Fill the bores / test areas with suitable fill material. The observed depth to subsurface water on the date of the testing shall be reported.
- Prepare a written report which will be transmitted, in electronic (PDF) format. The report shall include:
 - Discussion of overall project and findings, including a brief overview of site conditions observed, the Soil Survey data obtained, and a brief description of the soil profile observed at the site, to include topsoil thickness and the water level depth measured during the site visit;
 - Site plan showing the approximate locations of the hand auger borings and infiltration test locations;
 - Brief descriptions of sampling and testing procedures and soil test data;
 - Soil hand auger boring logs, infiltration test data, discussions of the field exploration and laboratory procedures, and laboratory data sheets;
 - Infiltration test results, providing the stabilized flow rate in “inches per hour” at both test locations; and
 - Results of all field testing.

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Schedule of Completion

- Final Report should be submitted in hardcopy and PDF formats. Completed report including summary, results, graphs and aerials depicting core locations will be expected no later than October 30, 2019.

Fee for Services

- Please provide in writing your scope of services with a lump sum fee, summary of what to expect in the final report and time frame of report delivery.
- If during the exploration, additional work is believed necessary to formulate conclusions and recommendations, please contact PDCOG for authorization before proceeding.

Award

- Contract will be awarded based on qualifications, experience, time frame and overall costs that best benefit Marion County.

MARION MEMORIAL PARK



DaA

Proposed Parking Lot Area:

W DOZIER STREET
(S34-81)

Senior Center

Marion County
Museum

WILCOX AVE
(S34-830)

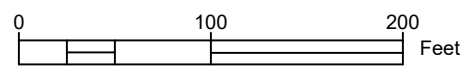
DaA

Proposed Trail Area:

Proposed Roadway Area:

W GODBOLD STREET
(S34-2)

DuA



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