

LEGAL ADVERTISEMENT FOR
CN-10-12
MATERIALS TESTING SERVICES

CONSULTANTS ARE ADVISED THAT THE BOARD OF COUNTY COMMISSIONERS HAS ADOPTED A POLICY ESTABLISHING AN OVERALL 10% GOAL FOR LOCAL DISADVANTAGED BUSINESS ENTERPRISE (DBE) PARTICIPATION IN COUNTY SERVICES. CONSULTANTS WILL TAKE ALL REASONABLE AND NECESSARY AFFIRMATIVE STEPS TO ASSURE THAT LOCAL DBE FIRMS WILL BE UTILIZED FOR THIS PROJECT.

Consultants are advised that the Board of County Commissioners adopted Lee County Ordinance No. 92-22 whereby prohibiting the County from soliciting a professional services firm to perform project design and/or construction services if the firm has or had been retained to perform the project feasibility planning or study analysis. A copy of said ordinance may be obtained from Lee County Contracts Management, at (239) 533.8883.

The Lee County Board of County Commissioners invites Letters of Interest from Consultants to provide miscellaneous professional testing services for the project known as Materials Testing Services to include but not limited to: field and laboratory tests, evaluations and reports relating to soils and materials at various construction sites in Lee County for projects undertaken by various County departments, such as, but not limited to: the Departments of Transportation, Human Services, Lee County Utilities, Lee County Solid Waste, Natural Resources Management, and Construction & Design Services.

Before submitting Letters of Interest, interested Consultants **must** obtain from Lee County Contracts Management, 1500 Monroe St., 4th FL, Fort Myers, FL 33901 or by calling (239) 533.8883 a copy of the complete Competitive Negotiations package dated June 11, 2010, for this project. **Or you may download these documents from our Internet site at www.lee-county.com/contracts (under Projects Bulletin).** **Please Note: if the Official Documents are not obtained from Lee County Contracts Management (either by request or downloading), or are modified in any manner, these Letters of Interest will not be accepted for consideration by the County.**

All firms are hereby placed on notice that the County Commission nor any employees from the Project Sponsoring Department nor members of the Competitive Negotiation Committee wish to be lobbied either individually or collectively about this project. Firms and their agents are hereby placed on notice that they are not to contact members of the County Commission or staff members for such purposes as holding meetings of introduction, dinners, etc. to influence the outcome of the selection process, if they intend to, or have submitted a proposal or Letter of Interest for this project.

All Letters of Interest must be submitted via email (to ContractsInBox@leegov.com) or in person to Lee County Contracts Management on the 4th Floor of the Community Development/Public Works Center at 1500 Monroe St., Fort Myers, Florida 33901, not later than **2:00 p.m., Wednesday, June 30, 2010.**

THIS DOCUMENT CAN BE MADE AVAILABLE IN ALTERNATIVE ACCESSIBLE FORMATS TO PERSONS WITH DISABILITIES, UPON REQUEST.

LEGAL AD

TO RUN: **Friday, June 11, 2010**

NOTICE OF COMPETITIVE NEGOTIATION

CN-10-12

MATERIALS TESTING SERVICES

Dated: June 11, 2010

Notice To Interested Consultants: Before submitting Letters of Interest, interested Consultants **must** obtain from Lee County Contracts Management, 1500 Monroe St., 4th FL, Fort Myers, FL 33901 or by calling (239) 533.8883 a copy of the complete Competitive Negotiations package dated **June 11, 2010**, for this project. **You may also download these documents from our Internet site at www.lee-county.com/contracts (under Projects Bulletin).** Please Note: if the Official Documents are not obtained directly from Lee County Contracts Management (either by request or downloading), or are modified in any manner, these Letters of Interest **will not** be accepted for consideration by the County.

All Letters of Interest must be submitted via email (to ContractsInBox@leegov.com) or in person to Lee County Contracts Management on the 4th Floor of the Community Development/Public Works Center at 1500 Monroe St., Fort Myers, Florida 33901, not later than 2:00 p.m., **Wednesday, June 30, 2010.** Please read the Response Procedure carefully!

The Lee County Board of County Commissioners anticipates seeking professional testing services on an as needed basis for various County projects. Consideration will be given to only those firms that are qualified pursuant to law.

SELECTION PROCEDURE: The selection of the Consultant will be made in accordance with Lee County Procurement Policy and Chapter 287.055 Florida Statutes. Some or all of the responding firms may be requested to provide telephone interviews or written or oral technical proposals (or both), for the ranking process. After ranking of the consultants by the BOCC, the contract fee will be negotiated in accordance with Section 287.055, Florida Statutes.

Note: For estimated short-list and final selection meeting dates they can be reviewed on the Contracts Management web page at www.lee-county.com/contracts. For more information contact the Contracts Office at 239-533.8883.

RESPONSE PROCEDURE: Qualified consultants are encouraged to submit a Letter of Interest for the project by **2:00 PM** Eastern time on the specified date indicated above. **Letters of Interest will be submitted as attached files to E-Mail or in Person to the indicated response address and will be composed of a single file, not to exceed 0.5 MB in size, in Adobe PDF format (unzipped), and will not exceed three (3) pages in length unless otherwise specified. Letters of Interest should not contain links to other Web pages and will, at a minimum, include the following information:**

- a. Project CN number and Name
- b. Consultant's name and address
- c. Proposed responsible office for consultant
- d. Contact person, phone and fax number and Internet Email Address
- e. Statement regarding qualifications of consultant and/or proposed sub-consultants for the advertised work
- f. Proposed key personnel and their proposed roles (do not include resumes)
- g. Sub-consultant(s) that may be used for the project
- h. Indication as to whether the prime firm and/or sub-consultants are A Disadvantaged Business Enterprises (DBE)
- i. The third page will consist of the Project Teams approach to the project

The delivery of said Letter of Interest to Lee County prior to or on the time and date as stated in the Notice is solely and strictly the responsibility of the Consultant. Lee County shall not be responsible for delays caused by the E-mail System(s), United States Postal Service, Overnight Express Mail Services, or for delays caused by any other occurrence. The County expressly reserves the sole and exclusive right to accept or reject a late Letter of Interest when the lateness is due to matters beyond the control of any third party delivery service. Late Letters of Interest may be returned to the Consultant with the notation: "This Letter of Interest was received after the specified deadline time".

**Lee County Proposed Scope of Services
For
MATERIALS TESTING SERVICES**

Major/Minor Work

Section 1. GENERAL SCOPE STATEMENT

The Consultant shall provide and perform the following professional services which shall constitute the GENERAL SCOPE of the BASIC SERVICES under the covenants, terms and provisions of this PROFESSIONAL SERVICES AGREEMENT:

The professional services to be provided include field and laboratory tests, material evaluation and related reports involving soils and construction materials such as portland cement concrete, asphaltic concrete, etc., at various construction sites in Lee County for projects undertaken by various County departments.

All tests and services shall be performed in accordance with established professional standards for such tests and services. In the case of contracted construction projects, all such tests and services shall be conducted in full accordance with the requirements set forth in the applicable construction contract documents.

The following are standard abbreviations for this agreement:

ASTM	American Society for Testing and Materials
FDOT	Florida Department of Transportation
FM	Florida Methods as outlined in the "Manual of Florida Sampling and Testing Methods: of the FDOT
LBR	Limerock Bearing Ratio
D ₅₀	Median diameter of samples
AASHTO	American Association of State Highway and Transportation Officials
OSHA	Occupational Safety and Health Administration

Section 2. TASKS

Pursuant to the GENERAL SCOPE of the BASIC SERVICES stated hereinabove, the CONSULTANT shall perform all services and/or work necessary to complete the following task(s) and/or provide the following item(s) which are enumerated to correspond to the task(s) and/or item(s) set forth in EXHIBIT "B" entitled "COMPENSATION AND METHOD OF PAYMENT."

TASK 1.00 FIELD INVESTIGATION (ROADWAY):

The geotechnical investigation for roadways shall be conducted according to the Florida Department of Transportation current Soils and Foundations Procedures Manual, the Federal Highway Administration's Checklist and Guidelines for Review of Geotechnical Reports and Preliminary Plans and Specifications, related directives, referenced standards and specifications, and/or as directed in writing by the COUNTY's designated Project Manager.

- 1.01. Mobilization of all equipment required for the operation of an individual field drilling or penetrometer rig under the following conditions:
 - 1.01.1 Site accessible to truck-mounted drilling equipment.
 - 1.01.2 Site only accessible to all-terrain vehicle and/or extensive clearing required.
 - 1.01.3 Testing to take place over water requiring use of a barge.

SCOPE OF SERVICES (Continued)

- 1.02. Auger borings or soundings including water table readings.
- 1.03. Standard Penetration Test (SPT) borings per ASTM 141586 including water table readings, sealing and grouting of bore holes in accordance with state and local laws.
 - 1.03.1 0' to 25' depth
 - 1.03.2 26' to 50' depth
 - 1.03.3 51' to 75' depth
 - 1.03.4 76' to 100' depth
 - 1.03.5 101' to 125' depth
- 1.04. Cone Penetrometer Test (CPT) borings per ASTM D 3441 including water table readings.
- 1.05. Field Vane Shear Tests per ASTM D 2573.
- 1.06. Dilatometer test.
- 1.07. Thin-walled tube samples per ASTM D 1587.
- 1.08. Rock cores (NS double barrel).
- 1.09. Permits for test borings or other work items.
- 1.10. Field Permeability Tests.
- 1.11 Double ring infiltration tests per ASTM D 3385.
- 1.12. Percolation tests.
- 1.13. Muck probing (two-man crew with equipment).
- 1.14. Pavement cores in asphaltic concrete.
- 1.15. Pavement cores in portland cement concrete.
- 1.16. Provide survey services to locate and determine position and elevations of field testing locations (three-man crew with equipment).
- 1.17. Engineering support required in conjunction with determination of piezometric head of artesian aquifers if encountered.
- 1.18. Obtaining environmental corrosion samples of soil and water testing.
- 1.19. Obtain samples to determine ^D50.
- 1.20. Install monitoring wells at COUNTY's direction.
- 1.21. Install or remove casings.
- 1.22. Miscellaneous drilling services not covered elsewhere.
- 1.23. Maintenance of Traffic.
 - 1.23.1 Plan of Operation and required signage.
 - 1.23.2 Flag Person.

SCOPE OF SERVICES (Continued)

1.24. Plugging/sealing of existing water wells in accordance with state and local laws.

1.24.1 Providing all necessary labor and equipment.

1.24.2 Providing cement and all other necessary materials and incidentals.

1.25. Preparation of Engineering Report containing soil boring data, test reports, soil classifications, recommendations as may be appropriate or as directed by the COUNTY.

1.26 Collect a sample of water from mid-depth of a water body either in a silt plume

(construction-related or other) or upstream of a construction site (for background turbidity evaluation).

Determine its turbidity in Nephelometric Turbidity Units (NTU's) as specified by the EPA for the NPDES and NPDWR monitoring programs, prepare a report including any of all of the following (specific to project):

Construction Permit number, date and time of sampling and analysis, sampling test equipment used and procedures, location of sampling sites (including a small map if necessary), background NTU's (if required), site weather conditions, air temperature, wind speed and direction, current direction, tide stage (ebb, flood or slack), depth of water at sample site and depth of sample (to nearest 0.1'), type of construction in the area and written observations of other site conditions of environmental concern (such as turbidity plumes unrelated to the project or manatee sightings). This task includes the provision of a boat and the required equipment to take and analyze the samples. The report must be signed and sealed by a currently registered Professional Engineer. Results include comparison of findings with established limits and shall be telephoned or faxed to the County as soon as available. Samples must be analyzed within 24 hours of taking. Up to 3 copies of an original, sealed written report must be received by the County within 5 working days. Payment for each authorized visit to the site under this task includes the taking (including provision of boat) and analysis of two samples, including transportation of technician and of the samples, and the reports.

1.27 Same responsibilities as in Task 1.26. Payment is to be per sample.

TASK 2.00 LABORATORY TESTING (ROADWAY):

The laboratory testing shall be carried out according to the designated procedures or directives. The laboratory testing for roadway may include:

2.01. Grain size analyses conducted according to FM 1-T88 and related standards.

2.02. Atterburg limits conducted according to FM 1-T89 and FM 1-T90 and related standards.

2.03. Moisture content tests conducted according to FM 1-T265 and related standards.

2.04. Organic content by loss on ignition tests conducted according to FM 1-T267 and related standards.

2.05. Amount of material in soils finer than the U.S. No. 200 Sieve.

2.06. Specific gravity tests conducted according to FM 1-T100 and related standards.

SCOPE OF SERVICES (Continued)

- 2.07. LBR tests conducted according to FM 5-515 and related standards using a minimum of four (4) molds (including Modified Proctor).
- 2.08. Consolidation tests conducted according to FM 1-T216 and directions from the COUNTY's designated Project Manager.
- 2.09. Triaxial compression tests conducted according to FM 1-T234 and directions from the COUNTY's designated Project Manager.
- 2.10. Unconfined compression tests conducted according to ASTM D 2166 and directions from the COUNTY's designated Project Manager.
- 2.11. Corrosion classifications tests conducted according to COUNTY directives and the following:
 - 2.11.1. pH tests conducted according to ASTM D 1293 (water) and ASTM G51 (soil).
 - 2.11.2. Resistivity tests conducted according to ASTM D 1125 (water) and ASTM G 57 (soil).
 - 2.11.3. Chloride content tests conducted according to ASTM D 512.
 - 2.11.4. Sulphate content tests conducted according to ASTM D 4130.
- 2.12. pH tests conducted according to ASTM E 70.
- 2.13. Sieve analyses (3) for D_{50} determinations conducted according to FM 1-T88.

TASK 3.00 CONSTRUCTION QUALITY CONTROL

The CONSULTANT shall perform activities during the pre- construction and/or construction phases as required by the COUNTY. All activities shall be coordinated with the COUNTY's designated representatives. Activities may include:

- 3.01. Analysis of pile driving dynamics based on data supplied by the CONTRACTOR employing the wave equation analysis. The computer program used shall be approved in advance by the COUNTY. The CONSULTANT shall provide graphs of the following: 1) ultimate soil resistance as a function of the number of blows per foot and 2) maximum pile tensile and compression stresses as a function of blows per foot.
- 3.02. Conducting and reporting pile drilled shaft load test (up to 200 tons) by standard methods as approved by the COUNTY (ASTM 1143 & ASTM 3385).
- 3.03. Conducting and reporting pile/drilled shaft load test (up to 200 tons) by quick-load methods as approved by the COUNTY (ASTM 1143 & ASTM 3385).
- 3.04. Performing pile driving analysis utilizing dynamic measurement devices as approved by the COUNTY.
- 3.05. Analysis and reporting of pile load test data.
- 3.06. Monitoring of settlement platform installation.

SCOPE OF SERVICES (Continued)

- 3.07. Monitoring, performing analysis and reporting settlement platform data.
- 3.08. Installation of piezometers.
- 3.09. Monitoring, analyzing and reporting of piezometers data.
- 3.10. Installation of slope inclinometer casing.
- 3.11. Monitoring, analyzing and reporting of slope inclinometer data.
- 3.12. Monitoring of geotextile/geogrid installation.
- 3.13. Monitoring of sand drain/wick drain installation.
- 3.14. Monitoring of other specialized geotechnical methods and/or equipment during construction phase.
- 3.15. Service as technical expert in the investigation and analysis of unforeseen geotechnical problems during the construction phase.

TASK 4.00 BITUMINOUS:

The CONSULTANT shall provide upon written authorization qualified assistance to the COUNTY in the inspection, sampling, testing, and reporting of data for bituminous construction materials. All activities will conform to the FDOT Standard Specifications for Road and Bridge Construction, the Project Special Provisions, Standard Indices, and the referenced standards. The services include:

- 4.01. Straightedge measurements on completed surface courses.
- 4.02. Coring, markings and retention of asphaltic concrete pavement samples and determination of thickness, type and condition of pavement.
- 4.03. Sampling of bituminous material according to FM 1-T040.
- 4.04. Sampling of bituminous paving mixtures according to FM 1-T168.
- 4.05. Deliverance of marked core samples and bituminous samples to the location directed by the COUNTY.
- 4.06. Inspection of bituminous concrete production plants to issue compliance with approved specifications, standard operating procedures and/or quality control plans.

TASK 5.00 AGGREGATE AND BASE MATERIAL SOURCES:

The CONSULTANT shall provide upon written authorization, qualified assistance to the COUNTY in the inspection, sampling, testing and reporting of data for aggregate and base material sources. All activities shall conform to the FDOT Standard Specifications for Road and Bridge Construction, Standard Indices, the FDOT Standard Operating Procedure for Evaluation, Approval, and Control of Mineral Aggregate Sources, the FDOT Standard Operating Procedure of Quality Assurance on Mineral Aggregate Sources, and the referenced standards. The services include:

SCOPE OF SERVICES (Continued)

5.01. Inspection of quality control procedures according to the Standard Operating Procedure at fine aggregate, coarse aggregate and base material sources.

5.02. Taking samples according to FM 1-T002 at fine aggregate, coarse aggregate and base material sources.

5.03. Classification of soils according to AASHTO M 145 using applicable related standards.

5.04. Moisture-density relation tests according to FM 5-521 (Modified Proctor Test).

5.05. Moisture-density relation tests according to FM 5-525 (Standard Proctor Test).

5.06. Carbonate content and organic matter in limerock tests according to FM 5-514.

5.07. Organic impurities in sands (colorimetric) according to FM 1-T021.

5.08. Resistance to abrasion by use of Los Angeles Machine according to FM 1-T096.

TASK 6.00 ROADWAY EMBANKMENT AND BACKFILL MATERIALS:

The CONSULTANT shall provide upon written authorization, qualified assistance to the COUNTY in the inspection, sampling, testing and reporting of data for roadway embankment and backfill materials. All activities shall conform to the FDOT Standard Specifications for Road and Bridge Construction, the Project Special Provisions, Standard Indices, the FDOT Field Sampling and Testing Guide and the referenced standards. The services shall include:

6.01. Inspection of embankment fill materials.

6.02. Inspection of subgrade and stabilized subgrade materials.

6.03. Inspection of base and stabilized base materials.

6.04. Sampling of materials in Sections 6.01, 6.02 and 6.03 according to FM 1-T002 and FM 5-504, as applicable.

6.05. Determination of in-place density by nuclear method according to FM 1-T238.

6.06. In-place density when full-time technician is on project site.

TASK 7.00 PORTLAND CEMENT CONCRETE (PLANT):

The CONSULTANT shall provide upon written authorization, qualified assistance to the COUNTY in the inspection, sampling, testing, and reporting data for portland cement concrete plant. All activities shall conform to the FDOT Standard Specifications for Road and Bridge Construction, the Project Special Provisions, the FDOT Field Sampling and Testing Guide, Standard Indices, FDOT Standard Operating Procedures, and the referenced standards. The services shall include:

7.01. Inspection of cement concrete production plants to insure compliance with approved specifications, standard operating procedures and/or quality control plans.

SCOPE OF SERVICES (Continued)

TASK 8.00 **PORTLAND CEMENT CONCRETE (PROJECT SITE):**

The CONSULTANT shall provide upon written authorization, qualified assistance to the COUNTY in the inspection, sampling, testing and reporting of data for portland cement concrete (project site). All activities shall conform to the FDOT Standard Specification for Road and Bridge Construction, the Project Special Provisions, the FDOT Standard Operating Procedure, and the referenced standards. The services shall include:

- 8.01. Sampling of aggregate according to FM 1-T002.
- 8.02. Sampling and testing of water for use in cement concrete according to FM 1-T026 and FM 5-506.
- 8.03. Sampling of cement.
- 8.04. Sampling of flyash according to FM 3-C311.
- 8.05. Sampling of fresh cement concrete according to FM 1-T141.
- 8.06. Sampling of fresh concrete from revolving drum truck mixers or agitators according to FM 5-501.
- 8.07. Making and curing concrete test specimens according to FM 1-T023.
- 8.08. Obtaining drilled cores of concrete according to FM 1-T024.
- 8.09. Slump test of cement concrete according to FM 1-T-119.
- 8.10. Air content test of freshly mixed concrete according to FM 1-T196.
- 8.11. Weight per cubic foot, yield, and air content (gravimetric) tests of concrete according to FM 1-T121.
- 8.12. Temperature measurement of concrete.
- 8.13. Compressive strength tests of cylindrical concrete specimens according to FM 1-T022 including labor.
- 8.14. Standard concrete cylinder preparation, curing and testing.
- 8.15. Concrete Beam Tests (set of 3)
- 8.16. Compressive strength of molded masonry mortar cylinders and cubes (ASTM C780.A7).
- 8.17. Sampling and testing grout (ASTM C1019).
- 8.18. Sampling and testing concrete masonry units (ASTM C140).
 - 8.18.1 Compressive strength and measurement of dimensions.
 - 8.18.2 Absorption.
- 8.19. Compressive strength of masonry prisms (ASTME 447).

TASK 9.00 PRECAST OR PRESTRESSED CONCRETE PRODUCTS:

The CONSULTANT shall provide upon written authorization, qualified assistance to the COUNTY in the inspection, sampling, testing and reporting of data for precast concrete products. All activities shall conform to the FDOT Standard Specifications for Road and Bridge Construction, the Project Special Provision, Standard Indices, approved shop drawings, the FDOT Standard Operating Procedure for the inspection of precast drainage structures and referenced standards. The service shall include:

- 9.01. Inspection of precast or prestressed concrete products operations to ensure compliance with the Quality Control Plan and/or Standard Operating Procedure.
- 9.02. Inspection of three edge bearing acceptance tests in accordance with FM 3-C497.
- 9.03. Making and curing concrete test specimens according to FM 1-T023.
- 9.04. Inspection of the obtaining of drilled cores or sawed beams of concrete according to FM 1-T024.
- 9.05. Testing drilled cores or sawed beams of concrete according to FM 1-T024, FM 1-T026, FM 1-T148 and FM1-T231.
- 9.06. Testing concrete pipe sections according to FM 3-C497.
- 9.07. Compressive strength tests of cylindrical concrete specimens according to FM 1-T022.
- 9.08. Sampling of aggregate according to FM 1-T002.
- 9.09. Specific gravity and absorption tests for fine aggregate according to FM 1-T084.
- 9.10. Specific gravity and absorption tests for course aggregate according to FM 1-T085.
- 9.11. Performance of absorption test on drilled cores according to FM 3-C497.
- 9.12. Inspection and stamping of precast or prestressed concrete products complying with all relevant standards.
- 9.13. Provide a minimum of 600 s.f. field office at the precast yard including all equipment, material and utilities.
 - 9.13.1. Set up and removal of field office.
 - 9.13.2. Maintain field office for duration of activity.

TASK 10.00 MISCELLANEOUS MATERIALS:

The CONSULTANT shall provide upon written authorization, qualified assistance to the COUNTY in the inspection, sampling, testing, and reporting of data for miscellaneous materials. All activities shall conform to the FDOT Standard Specifications for Road and Bridge Construction, the Project Special Provisions, Standard Indices, approved shop drawings, Standard Operating Procedures, and referenced standards. The services shall consist of providing qualified personnel for inspection of materials and manufacture of miscellaneous products for COUNTY use to ensure compliance with COUNTY specifications, standards and procedures. The services shall include:

SCOPE OF SERVICES (Continued)

10.01. TIMBER PRODUCTS:

Tests and inspections will be performed according to Southern Pine Inspection Board Standards.

- a. Inspection for cracks, splits, knots and size before treatment and application of hammer as required.
- b. Inspection for penetration and retention of treating solution.
- c. Verification of assay and penetration and retention of treating solution.
- d. Application of hammer mark to acceptable units.
- e. Collection and verification of certification of assay reports and tank readings.
- f. Obtaining pertinent project numbers.

10.02. CORRUGATED METAL PIPE:

- a. Inspection of manufacturing procedure.
- b. Inspection of rivet spacing.
- c. Inspection of depth of corrugation.
- d. Inspection of asphalt coating thickness.
- e. Inspection of gauge thickness and internal diameter.
- f. Verification of certification of chemical analyses.
- g. Obtaining copies of all analyses and certifications.
- h. Ascertaining the pertinent project number.

10.03. SIGNS:

- a. Inspection of all materials.
- b. Inspection of fabrication process.
- c. Inspection of welds.
- d. Verification of material certifications.
- e. Inspection of signs for compliance with approved shop drawings and the Manual on Uniform Traffic Control Devices.

SCOPE OF SERVICES (Continued)

10.04. MISCELLANEOUS SERVICES AND TESTS:

- a. The COUNTY may, from time to time, require additional miscellaneous tests and/or services. Such services shall be determined on a case-by-case basis as to scope, number and test standard.

TASK 11.00 LABORATORY TESTING OF CONSTRUCTION MATERIALS:

The CONSULTANT shall provide upon written authorization qualified assistance to the COUNTY in the testing and reporting of data for laboratory testing of construction materials. All testing must conform to the referenced specification or standard unless approved in advance by the COUNTY. The services shall provide:

- 11.01. Determination of amount of aggregate material finer than 0.075 mm.
- 11.02. Unit weight and voids in aggregate (FM 1-T019).
- 11.03. Organic impurities in sand for concrete (FM 1-T021).
- 11.04. Sieve analysis of fine and coarse aggregates (FM 1-T027).
- 11.05. Mechanical analysis of extracted aggregate and quantitative extraction of bitumen from bituminous paving mixtures (FM 1-T030 and FM 1-T164).
- 11.06. Specific gravity and absorption of fine aggregate (FM 1-T084).
- 11.07. Specific gravity and absorption of coarse aggregate (FM 1-T085).
- 11.08. Los Angeles abrasion test (FM 1-T096).
- 11.09. Soundness of aggregate (FM 1-T104).
- 11.10. Reducing field samples of aggregate testing size (FM 1-T248).
- 11.11. Total moisture content of aggregate by drying (FM 1-T248).
- 11.12. Carbonates and organic matter in limerock (FM 5-514).
- 11.13. Degradation of limerock screenings (FM 5-512).
- 11.14. Resistance to plastic flow of bituminous mixtures using Marshall apparatus (FM 1-T245).
- 11.15. Resistance to plastic flow of field produced mixtures using Marshall apparatus (FM 1-T245).
- 11.16. Bulk specific gravity of compacted bituminous mixtures (FM 1-T166).
- 11.17. Compressive strength of cylindrical concrete specimens (FM 1-T022).
- 11.18. Dry preparation of disturbed soil and aggregate samples for test (FM 1-T087).

SCOPE OF SERVICES (Continued)

- 11.19. Particle size analysis of soils (FM 1-T088).
- 11.20. Liquid limit of soils (FM 1-T089).
- 11.21. Plastic limit and plasticity index of soils (FM 1-T090).
- 11.22. Specific gravity of soils (FM 1-T100).
- 11.23. Wet preparation of disturbed soil sample for test (FM 1-T146).
- 11.24. Permeability of granular soils (constant-head) (FM 1-T215).
- 11.25. Consolidation of soils (FM 1-T216).
- 11.26. Triaxial compression tests (FM 1-T234).
- 11.27. Moisture content of soils (FM 1-T265).
- 11.28. Determination of organic content by ignition loss (FM 1-T267).
- 11.29. Coefficient of permeability (falling head) (FM 5-513).
- 11.30. Moisture-density relations using 10 lb. hammer and 18 in. drop (FM 5-521).
- 11.31. Moisture-density relations using 5.5 lb. hammer and 12 in. drop (FM 5-525).
- 11.32. Electrical conductivity and resistivity of water (FM 3-D1125).
- 11.33. pH of water (ASTM D 1293).
- 11.34. Chloride ion in soils (ASTM D 512).
- 11.35. Sulfates in soils (ASTM D 4130).

TASK 12.00 ASBESTOS TESTING AND SURVEYS

The CONSULTANT shall provide upon written authorization qualified assistance to the COUNTY in the inspection, sampling, testing and reporting of data for suspected asbestos containing materials. Testing and survey activities shall conform to EPA and State of Florida standards where applicable and shall be performed by a EPA Certified Facility Inspector or Management Planner, or Florida Registered Asbestos Consultant. The Laboratory Accreditation Program (NVLAP). When requested, survey reports addressing temporary fiber control measures and ultimate remediation procedures shall be signed and sealed by a Florida Registered Asbestos Consultant. Testing and survey activities may include:

12.01 Meeting with County personnel to determine project scope, schedule, time constraints and other requirements; research of existing records and plans; and facility survey activities including visual inspection to identify areas of suspected asbestos containing materials, assessment of their physical condition, and materials sampling from homogeneous materials.

12.02 Bulk sample analysis of suspected asbestos containing materials by EPA Method 600/R-93/116.

SCOPE OF SERVICES (Continued)

12.03 Report preparation including findings regarding the type, estimated percentage, general location and approximate quantities of asbestos present, and recommendations for temporary fiber control measures and ultimate remediation procedures, if requested.

TASK 13.00 RADON HAZARD

The CONSULTANT shall provide upon written authorization qualified assistance to the COUNTY in the inspection, sampling, testing, and reporting of data for radon hazard in accordance with EPA and State of Florida Health and Rehabilitative Services. All measurements shall be taken by a Florida Certified Measurement Specialist. All devices shall be EPA listed and laboratory analysis performed by an EPA proficient laboratory.

13.01 Meeting with County personnel to determine project scope, schedule, time constraints and other requirements; research of existing records and plans; and facility survey activities including visual inspection to identify areas of suspected radon hazard, assessment of their physical condition, and materials sampling.

13.02 Sample analysis will be in accordance with USEPA and State of Florida, Health and Rehabilitative Services.

13.03 Report preparation regarding radon content will be in picocuries per liter and recommendations for remediation procedures, if requested.

TASK 14.00 LEAD HAZARD (potential exists in several major categories)

The CONSULTANT shall provide upon written authorization qualified assistance to the COUNTY in the inspection, sampling, testing, and reporting of data for lead hazard in accordance with EPA and State of Florida Health and Rehabilitative Services.

14.01 Meeting with County personnel to determine project scope, schedule, time constraints and other requirements, research of existing records and plans, and survey activities including visual inspection to identify areas of suspect lead containing materials, assessment of their physical condition, and materials sampling from homogenous materials.

14.02 Laboratory analysis of suspect lead containing materials.

14.03 Laboratory analysis of lead in drinking water.

14.04 Report preparation including findings about the general location of lead containing materials.

TASK 15.00 INDOOR AIR QUALITY

The CONSULTANT shall provide upon written authorization qualified assistance to the COUNTY in the inspection, sampling, testing, and reporting of data for indoor air quality consisting of a broad spectrum of potential problem sources. All activities shall conform to all current and existing OSHA regulations.

15.01 Initial Assessment and Consultation. Items under this task would include a visual survey of the facility, interview of building occupants, search of records and historical data, preliminary assessment and recommendations for further evaluations.

15.02 Detailed Evaluation Sampling and Testing. Based on the results obtained during Task 15.01, perform a detailed evaluation of the indoor air quality including air sampling and laboratory analyses, HVAC system checks and balance, toxicity related evaluations and preparation of a detailed report summarizing observations, findings and work items required under this task, fees will be developed and negotiated with the County on a project by project basis.

General Project Information

- This contract will be for a period of two (2) years.
- This contract does not entitle any firm to exclusive rights to County contracts. The County reserves the right to perform any and all available required work in-house or by any other means it so desires.
- This is a "Master" contract, which is not for any specific project. Work will be negotiated, authorized, scheduled, funded, and accounted for by the issuance of a Purchase Order, by the requesting department, division or other governmental entity.
- DRUG FREE WORKPLACE: Whenever two or more proposals, which are equal with respect to price, quality, and service, are received for the procurement of contractual services, a proposal received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the evaluation/award process. In order to have a drug-free workplace, a business shall comply with the requirements of Florida Statutes 287.087.
- COOPERATIVE PURCHASING: The Lee County Board of County Commissioners participates in cooperative purchasing agreements; it is hereby made a part of this proposal that the submission of any proposal in response to this request constitutes a proposal made under the same conditions, for the same contract price, to the other governmental entities.

Each governmental agency desiring to accept this proposal, and make an award thereof, shall do so independently of any other governmental agency. Each agency shall be responsible for its own purchases and each shall be liable only for services ordered and received by it, and no agency assumes any liability by virtue of this proposal.

- AUTHORITY TO PIGGYBACK: It is hereby made a condition of this agreement that this agreement constitutes an agreement made under the same conditions, for the same price, and for the same effective period as this agreement, to any other governmental entity.

It is further understood that any governmental entity that electing to piggyback from this agreement with Lee County, will issue its own purchase orders, and will require separate billing

- No amount of work is guaranteed upon the execution of a Professional Services Agreement.
- Testing and hourly rates and all other negotiated expenses will remain in effect throughout the duration of the contract period, including the renewal period.
- The County reserves the right to add or delete, at any time, any or all tasks or services associated with this agreement.

IMMIGRATION LAWS: Lee County will not intentionally award County contracts to any Consultant who knowingly employs unauthorized alien workers, constituting a violation of the employment provisions contained in 8 U.S.C. Section 1324 a(e), Section 274A(e) of the Immigration and Nationality Act ("INA).

Lee County shall consider the employment by any Consultant of unauthorized aliens a violation of Section 274A(e) of the INA. Such violation by the recipient of the employment provisions contained in Section 274A(e) of the INA shall be grounds for unilateral cancellation of the contract by Lee County.

Project Dates:

Advertisement Date:	Friday, June 11, 2010
Response Deadline:	Wednesday, June 30, 2010 by 2:00 p.m.
Respond to :	ContractsInBox@leegov.com
Phone:	(239) 533.8883