

## **NOTICE TO ALL CONSULTING ENGINEERING FIRMS**

Solicitation Number S-130-14

The **SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION (SCDOT)** requests a letter of interest and a current resume of qualifications from all interested consulting firms experienced in providing **Preliminary Design Engineering Services** for the US 21 Harbor River Bridge Replacement Project in Beaufort, South Carolina. Requested services include but are not limited to: project management, surveys, geotechnical investigations, hydrology/hydraulics, utility coordination, geotechnical borings and design engineering, environmental documentation and permitting, bridge and structural design, and other related duties deemed necessary.

Supplemental information associated with this solicitation is located at the following link: [http://www.scdot.org/doing/constructionLetting\\_Services.aspx](http://www.scdot.org/doing/constructionLetting_Services.aspx).

For questions, please contact the SCDOT Contracting Officer, Wendy Hollingsworth, at (803) 737-0746 or via email at [Hollingswg@scdot.org](mailto:Hollingswg@scdot.org). Electronic Submissions are due no later than 2:00 PM, February 13, 2014.

# Preliminary Scope of Services

## (US 21 Bridge Over Harbor River in Beaufort County)

### **Task 1 - Project Management**

- Project organization, management, scoping and coordination with the SCDOT Program Manager, Federal Highway Administration, municipalities, and attend resource agency coordination, partnering, and public involvement meetings
- Provide frequent budget, schedule, cost estimate and expenditure reports
- Other duties as deemed necessary by the Program Development Engineer

### **Task 2 – Field Surveys**

- Perform Field topographic and property surveys
- Establish a control baseline
- Perform plat and deed research of all parcels affected within project limits
- Field locate property monuments for impacted parcels
- Perform detailed planimetric and topographic surveys within the project limits
- Perform surveys of existing drainage structure
- Provide river channel survey
- Process acquired survey data and prepare base mapping to include break-lines that reflect field conditions. Available aerial photography will be incorporated into the baseline map
- Perform centerline and control staking
- Perform Geotechnical investigation testing location surveys
- Perform wetland boundary survey to include wetlands map
- Provide supplemental surveys as needed

### **Task 3 – Geotechnical Services**

- Perform preliminary field investigations
- Perform a deep, seismic test hole with suspension logging
- Perform preliminary field engineering
- Perform preliminary laboratory testing
- Perform preliminary engineering analysis for bridge and roadway
- Provide Geotechnical Base Line Report for bridge and roadway
- Perform a site-specific seismic response analysis
- Drill Shaft Load Test

### **Task 4 – Conceptual Bridge and Roadway Plans**

- Identify and analyze various bridge replacement alternatives (Minimum of 3 alternatives)
- Develop conceptual bridge and roadway plans for the preferred bridge replacement alternative (May need to develop concept plans for multiple alternatives to determine impacts – recommend eliminating “preferred” and just saying “alternatives”.)

- Provide conceptual bridge and roadway cost estimates ( for all reasonable alternatives)
- Provide conceptual bridge and roadway cost estimates
- Respond to comments and finalization of conceptual bridge and roadway plans
- Identify preliminary right of way requirements and environmental impacts
- Develop design criteria for roadway, bridge, hydrology and geotechnical

#### **Task 5 – Environmental Documentation and NEPA Compliance**

- Provide Letter of Intent (LOI) to be furnished by the Department
- Perform required documentation for Environmental Assessment Documentation to include: Purpose and need, existing facility, proposed facility, alternative analysis, impact assessment form, natural resources/endangered species survey, wetlands / water quality, farmlands, hazardous waste and underground storage tanks, cultural resources (historical and archaeological), displacements, air quality, floodplains, noise, parks and recreational area, section 4(f) / 6 (f), social and economic conditions, environmental justice, and provide any coordination needed during the project development process
- Prepare and secure Environmental Assessment Document
- Provide public involvement coordination and notifications
- Provide coordination and public notice preparation
- Provide informational mailings
- Perform information open house meeting
- Provide exhibits for information open house meeting
- Attend information open house meeting
- Prepare all public hearing and small group meeting materials
- Perform public hearing meeting
- Provide exhibits for public hearing meeting
- Prepare responses to public comments
- Prepare public hearing certification
- Prepare Finding of No Significant Impact (FONSI) Process to include the following: summary of hearing, agency, other input, SCDOTY, and FHWA responses, changes in design, cost, or environmental impacts since EA and the FONSI recommendation letter
- Perform borrow pit location screening to include: initial screening for potential upland borrow pit sources and coordinate with SCDOT, OCRM, and DHEC

#### **Task 6 – Hazardous Materials**

- Provide an asbestos survey of potential effected structures within the project limits
- Provide an lead-based paint survey of potential effected structures within the project limits

#### **Task 7 - Preliminary Utility Report**

- Prepare Preliminary Utility Report with recommendations to the extent of prior rights
- Preliminary assessment of utility impacts and costs associated with those impacts
- Determine feasibility of early utility relocations that may begin prior to the start of construction, as well as any recommendations for relocations that can and should be included in the construction contract

**Supplemental Information for US 21 Harbor River Bridge Replacement Preliminary  
Studies**

Solicitation Number S-130-14

A detailed scope of services is located under this solicitation number (S-130-14) @ [http://www.scdot.org/doing/constructionLetting\\_Services.aspx](http://www.scdot.org/doing/constructionLetting_Services.aspx).

In consultant selection, the SCDOT will consider and conduct a comparative ranking of the firms submitting based upon the following:

15%	Specific experience of the proposed project manager in managing major highway/bridge corridor improvement projects. <b>*See Note Below</b>
10%	Specific experience of key team members in preparing NEPA EA documents for major highway/bridge projects. <b>*See Note Below</b>
20%	Specific experience of key team members in preparing preliminary geotechnical studies, to include: deep seismic test holes, drilled shaft load test, and final seismic analysis, for major highway/bridge projects. <b>*See Note Below</b>
10%	Specific experience of key team members in preparing traffic and alternatives analysis for major highway/bridge corridors.
5%	Description of the consultant's understanding of the project, including the major environmental, geotechnical, and engineering challenges.
10%	Familiarity of the firm/team with SCDOT practices and procedures.
10%	Team Composition - Demonstrate that the team has the personnel and experience to provide all services for the development of conceptual plans and documents for any improvements that may be identified.
10%	Responsiveness to the SCDOT, and the availability/readiness of the proposed staff.
5%	Past performance of the firm/team on similar type projects.
5%	DBE utilization plan.

**\*Note:** In each criterion above where special experience is evaluated, each project listed should include the client name, specific role of the team member for the consultant, and a point of contact for the client with telephone number and email address.

The proposal must contain the following: letter of interest, current resume of qualifications, a direct response to each of the selection criteria identified above, and Standard Form 330 (SF 330) as required by the Federal Acquisitions Regulations. All parts of the SF 330 must be completed in its entirety for the prime consultant, any sub-consultants and any sub-contractors. Additionally, all proposals must clearly list the percentage of work for prime consultant and subconsultant(s) that will be performing work as part of the project.

Consultants are prohibited from submitting on multiple proposals as the prime consultant in response to this advertisement. The preceding, with the exception of SF 330, shall be limited to 20 double-spaced pages printed on one side only.

To qualify as a DBE on this project, the firm must be listed as approved for the type of work to be performed in the South Carolina Unified DBE Directory at the time of the bid submittal. The directory can be found at the following link:

[http://www.scdot.org/doing/doingPDFs/businessDevelop/UCP\\_DBE\\_Directory.pdf](http://www.scdot.org/doing/doingPDFs/businessDevelop/UCP_DBE_Directory.pdf).

**All responding firms must utilize the SCDOT's new electronic proposal submission process. Information regarding Project Wise can be found at the following link: <http://www.scdot.org/doing/constructionLetting/ProjectWise.aspx>. Please contact Eric Stuckey at 803-737-1003 or [StuckeyEC@scdot.org](mailto:StuckeyEC@scdot.org) to set up an account to begin utilizing the electronic submittal process.**

The SCDOT selection will be based on information submitted; however, additional information and/or an interview may be required.

All responders must visibly mark as "CONFIDENTIAL" each part of their submission that they consider to contain proprietary information the release of which would constitute an unreasonable invasion of privacy. All unmarked pages will be subject to release in accordance with law. Proposer should be prepared, upon request, to provide justification of why such materials should not be disclosed under the South Carolina Freedom of Information Act, S.C. Code Section 30-4-10, et seq.

Consultants and sub-consultants must have an SCDOT approved indirect cost rate prior to contract execution. Please refer to the following link for additional information: [http://www.scdot.org/doing/contractor\\_Audit.aspx](http://www.scdot.org/doing/contractor_Audit.aspx).

Consultants shall comply with Title VI of the Civil Rights Act of 1964. The SCDOT strongly encourages the use of and involvement of Disadvantaged Business Enterprises (DBE) on this project.

The contract will be cost plus a fixed fee with a contract maximum, or lump sum, or approved unit cost at the discretion of the SCDOT. There is no guarantee of any specific amount of work.

All electronic proposal submissions and the letter of interest should be addressed to the Contracting Officer, Room 128, at the South Carolina Department of Transportation, P.O. Box 191, Columbia, South Carolina 29202 or 955 Park Street, Room 128, Columbia, South Carolina 29201, no later than 2:00 PM, February 13, 2014.