

A REQUEST FOR PROPOSAL FOR PERSONAL SERVICES CONTRACT

Department of Highways Professional Services Procurement Bulletin 2013-09 Statewide Traffic Operations Structure and Geotechnical Review Services

This document constitutes a Request for Proposals for Personal Service Contract from qualified individuals and organizations to furnish those services as described herein for the Commonwealth of Kentucky, Department of Highways.

I. PROJECT DESCRIPTION

Project Description – Provide structural engineering services in support of Traffic Operations. This will include geotechnical and structure design and review, as well as understanding and application of the AASHTO Standards. The selected firm shall be prequalified in Structural and Geotechnical Engineering services. One (1) consultant will be selected.

II. PROJECT INFORMATION

Project Manager – Ted Swansegar, P.E.

User Division – Division of Traffic Operations

Approximate Fee – One (1) Consultant will be selected to provide services.

\$250,000 Upset Limit. Work will be assigned via Letter Agreement, not to exceed \$50,000 per Letter Agreement.

Project Funding – State Funds

Contract Duration – 2 Years, ending June 30, 2015

III. PURPOSE AND NEED

To assist the Division of Traffic Operations in the review of plans and specification for Structural Supports for Highway Signs, Luminaries and Traffic Signals.

IV. DBE REQUIREMENT

None

V. SCOPE OF WORK

The selected consultant must possess the expertise and capacity to be able to perform the Structural engineering tasks listed below:

- Capable of performing a variety of geotechnical and structure designs.
- Demonstrate familiarity with the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaries and Traffic Signals, Fifth Edition
- Demonstrate familiarity with the guidance manual for Division of Highway Bridge Design and the AASHTO LRFD Bridge Design Specifications.

- Demonstrate familiarity with Standard Specifications for Road and Bridge Construction.
- Interpretation of the new AASHTO Standards or any other structural standard.
- Design of drilled shafts and spread footing foundations for existing/new locations.
- Foundation recommendation based on soil condition.
- Reviewing shop drawings and structural calculations for high mast, luminaires poles, mast arm (single and dual), monotube (bridge-type), and strain pole structures with spans.
- Familiarity with KYTC Traffic Operations Signal and Lighting Specifications and drawings.
- Preparing Microstation CADD Drawings and writing new specifications.
- Capable of designing sign supports, and sign attachments to bridges and other structures.
- Demonstrate familiarity to maintain visual basic programming of the state owned excel program Signal and Lighting Analysis (SALSA) - (see Traffic Operations website for excel spreadsheet and instructions)
- Demonstrate familiarity with web design and windows program design for the interpretation, modification and development of the state owned web app SALSA. This includes but not limited to the following storage, RDBMS, web hosts, platform tiers, user interfaces, browser support, and security protocol:
 - MS SQL 2008
 - IIS 7 on windows server 2008
 - .NET 4.0
 - ASP
 - SQL reporting services
 - DATA store (SQL table),data access(SQL stored procedures, ADO.net/LINQ)
 - Math Class(Custom Class)
 - Logic (Custom class)
 - Presentation web parts (AJAX enabled web controls)
 - Presentation ASPX web forms
 - CSS5
 - Browser Support: IE 7+, Google Chrome, Firefox, MAC/Windows Safari
 - SSL
 - Forms-Based Authentication
 - Wiki development
- Demonstrate the ability to transfer associated files and host a web app developed for SALSA. This transfer will be from the current consultant to the new consultant.
- Demonstrate the ability to transfer associated files from the hosted web app for SALSA to cabinet IT/COT department.

VI. SPECIAL INSTRUCTIONS

One (1) firm will be selected to provide these services for a period of two (2) years. Contract will have an upset limit of \$250,000. Once the upset limit is reached or the two year term has expired, services will be re-advertised and no additional work assignments will be made under the contract. Contract will not be modified to increase the upset limit or extended for time to assign new work.

Instructions for Response to Announcement can be found at:

<http://transportation.ky.gov/Professional-Services/Pages/Respond-to-an-Announcement.aspx>

VII. ADDITIONAL INFORMATION

Selected consultants must have the capability to collect and analyze the data as well as the capability to work with the Cabinet's Highway Information System (HIS) database and GIS database. In general, the data may be transmitted electronically in standard KYTC formats. It is expected that frequent coordination between the consultant and the Transportation Cabinet's user division will be necessary for each specific task.

VIII. PREQUALIFICATION REQUIREMENTS

To respond to this project, the project team must be prequalified in the following areas by the date of this advertisement.

STRUCTURE DESIGN

- Spans under 500'

GEOTECHNICAL SERVICES

- Geotechnical Engineering Services

IX. PROCUREMENT SCHEDULE

Dates other than Response Date are tentative and provided for information only.

RESPONSE DATE • April 10, 2013, 4:30 p.m. E.S.T. (Frankfort time)

FIRST SELECTION COMMITTEE • April 16, 2013

SECOND SELECTION COMMITTEE • May 1, 2013

CONTRACT SCOPING CONFERENCE • May 8, 2013

NOTICE TO PROCEED • July 1, 2013

X. PROJECT SCHEDULE

Individual project schedules will be by letter agreement on a project by project basis.

- Reviewing shop drawings & calculations for poles Two (2) business days
- SALSA modification1 week Interpretation of new AASHTO Standards Two (2) business days
- Design of drilled shafts and spread footing foundations for existing/new locations. 1 week
- Other Scope of Work Duties As Agreed
- COMPLETION OF ALL SERVICES September 30, 2015

XI. EVALUATION FACTORS

1. Relative experience of consultant personnel assigned to project team with traffic engineering projects for KYTC and/or for federal, local or other state governmental agencies. (10 points)
2. Capacity to comply with project schedule. (10 points)
3. Past record of performance on project of similar type and complexity. (10 points)
4. Project approach and proposed procedures to accomplish the services for the project. (10 points)
5. Consultant's offices where work is to be performed. (2 points)

For state-funded projects, if a Selection Committee vote results in a tie between two (2) firms, one (1) of which will perform more of the work tasks in Kentucky than the other, then the former firm shall be ranked one (1) place ahead of the latter.

XII. SELECTION COMMITTEE MEMBERS

1. Ted Swansegar, P.E., User Division
2. Staci Timol, P.E., User Division
3. Sam Hale, P.E., Secretary's Pool
4. Rachel Mills, P.E., Secretary's Pool
5. David Eaton, Governor's Pool