

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways Professional Services Procurement Bulletin 2018-10 Statewide Structural Design

This document constitutes a Request for Proposals for Professional 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

Three (3) consultant firms will be selected to provide design of culvert and bridges under 500 foot span on an as-needed basis for two (2) years.

II. PROJECT INFORMATION

Project Manager – Bart Asher, P.E.
User Division – Structure Design
Approximate Fee – \$1,000,000 upset limit (per consultant)
Projects to be assigned by Letter Agreement not to exceed \$300,000 each
Project Funding – State and/or Federal Funds

III. PURPOSE AND NEED

To provide assistance to the Department of Highways, Division of Structural Design with structural engineering and design on an as-needed basis.

IV. METHOD OF DESIGN

Design shall be by American Association of State Highway and Transportation Officials (AASHTO) Load Resistance Factor Design (LRFD) Specifications, unless otherwise stipulated by the Project Manager. The selected consultant shall utilize the Computer Aided Design & Drafting (CADD) Standards for Bridge Design. All submittals shall be in the form of a CADD deliverable and pdf format. The CADD deliverable shall be in Microstation, .dgn format, using Division of Bridge Design File Format, Seed Files, Cell Files and Resource File.

V. SCOPE OF WORK

Structural design services for various structure types as assigned at the discretion of the Division of Structural Design.

The required consulting services will include all final structural design engineering and plan preparation necessary for letting a project to construction.

Consultant may be required to provide roadway design and surveying on some projects as necessary to prepare a complete set of plans.

VI. SPECIAL INSTRUCTIONS

Three (3) firms will be selected to provide these services. The contract period is a two (2) year contract with no new work assigned after June 30, 2020, although the contract may be extended for time to complete work already assigned. Contracts will have an upset limit of \$1,000,000. 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. Contracts will not be modified to increase upset limit or extended for time to assign new work. No Letter Agreement shall exceed \$300,000 without written approval from the State Highway Engineer.

The Selection Committee will randomly draw for the pool and list in consecutive order to determine the initial order for which a project will be offered. Projects will generally be offered to firms on a rotational basis. The Department reserves the right to select one of the firms outside of the assignment order for a particular project if it is to the benefit of the Department (i.e. the firm selected is also completing the Engineering contract for the project). That firm, if selected out of order, will be skipped in the rotation when their turn comes and the regular order will be followed thereafter. The Division of Structural Design reserves the right to group multiple projects together as one offering if it is advantageous to the Department. The Department may also add additional work to an existing Letter Agreement, if needed. A firm will not be offered an additional project until the remaining firms on the list have been offered a project. If a firm declines to accept a project or does not respond to an invitation to perform services for a project within five (5) business days, or the Department and Consultant cannot agree on reasonable scope of work and fee for services, documentation shall be placed in the project files and the next firm on the rotating list shall be offered the project.

Instructions for Response to Announcement can be found at:

<https://transportation.ky.gov/ProfessionalServices/Pages/Respond-to-an-Announcement.aspx>

VII. STANDARD PERSON-HOURS

The person-hours allowed for each “standard” bridge or component as shown below:

Substructures:

- Breastwall Abutments – 80 hours
- Stub Abutments – 30 hours
- Integral End Bents – 30 hours
- Single or Wall Piers – 70 hours
- Multi Column Piers – 70 hours With 8 hours for each additional column
- Intermediate Pile Bent – 50 hours

Superstructure (One, two or three spans):

- “Standardized Superstructures” – 1 hour
- Composite PPCDU (Slab Details per Span) – 10 hours
- Beam Details (Spread Boxes per Span) – 30 hours (includes shop plan review)
- Beam Details (Spread 1-beam per Span) – 30 hours (includes shop plan review)
- Slab Details (Design & Details per Span) – 30 hours

- Construction Elevations – 22 hours

Miscellaneous:

- Title Sheet – 18 hours
- General Note Sheet – 6 hours
- Layout Sheet – 22 hours
- Foundation Layout-Pile Layout Sheet – 10 hours
- Approach Slab (each) – 4 hours
- Reinforced Concrete Cantilever Retaining Wall – 40 hours per wall plus 40 hours per 100 linear feet
- Gravity Wall (Special Design or per Design Section) – 30 hours per wall plus 30 hours per 100 linear feet

Note: The above hours are based on a structure having a Zero (0) degree skew, no phased construction, and a straight structure (Add 10% to the total hours for a skewed structure. Add 25% to the total hours for a phased bridge. Add 25% to the total hours for a curved bridge.)

Culverts:

- One Barrel – 100 hours
- Two Barrel – 140 hours
- Triple Barrel – 180 hours

Culvert Extensions:

- One Barrel – 100 hours
- Two Barrel – 140 hours
- Triple Barrel – 180 hours

Culvert Standardized Drawings

- Standardized Culverts – 16 hours

Person-hours for non-standard structures will be negotiated on a case-by-case basis.

No additional hours will be allowed for skewed culverts.

VIII. PREQUALIFICATION REQUIREMENTS

To respond to this project, the proposed consultant project team must be prequalified in the following areas prior to the response due date of this advertisement.

STRUCTURE DESIGN

- Spans under 500 feet

ROADWAY DESIGN

- Rural Roadway Design
- Urban Roadway Design
- Surveying

IX. PROCUREMENT SCHEDULE

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

- Bulletin Posted – April 10, 2018
- Response Date – May 2, 2018 by 4:30 PM ET (Frankfort time)
- First Selection – May 7, 2018
- Final Selection – May 23, 2018
- Pre-Design Conference – May 30, 2018
- Fee Proposal – June 8, 2018
- Contract Negotiations – June 20, 2018
- Notice to Proceed – July 19, 2018

X. PROJECT SCHEDULE

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

XI. EVALUATION FACTORS

1. Relative experience of consultant personnel assigned to project team with highway projects for KYTC. (15 Points)
2. Past record of performance on project of similar type and complexity. Including three prestressed concrete, one welded steel plate girder and one culvert extension as demonstrated in the response. (15 Points)
3. Project approach and proposed procedures to accomplish services for project. (12 Points)
4. Capacity to comply with project schedule. (8 points)
5. Consultant's offices where work is to be performed. (Kentucky - 2 points, out of state – 0 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. Bart Asher, P.E., User Division
2. Joseph VanZee, P.E., User Division
3. Darren Back, P.E., Secretary's Pool
4. Brent Sweger, P.E., Secretary's Pool
5. Mark Day, P.E., Governor's Pool