



*Professional Services
Procurement Bulletin*

2008-01

Statewide Historic Bridge Survey

COUNTY	<i>Statewide</i>
ROUTE	<i>N/A</i>
DISTRICT	<i>Statewide</i>
ITEM NO	<i>N/A</i>
PROJECT DESCRIPTION	<i>Historic Bridge Survey</i>
PROJECT MANAGER	<i>Rebecca Horn Turner</i>
USER DIVISION	<i>Enironmental Analysis</i>
APPROXIMATE FEE	<i>\$325,000.00 Lump Sum</i>
PROJECT FUNDING	<i>Federal Funds</i>
PURPOSE AND NEED	<i>Update and analysis Historic Bridge Survey and assist with development of Management Plan</i>
DBE REQUIREMENT	<i>None</i>
SCOPE	<i>The selected candidate shall provide historical research and related services necessary to re-examine and update the KYTC historic bridge survey, revise historic contexts, evaluate bridges statewide for eligibility (excluding concrete bridges to be done by KYTC staff), and assess quality characteristics of each eligible or listed structure. The consultant shall also be required to provide recommendations for preservation of select bridges of varying truss, timber, concrete and masonry types for the long-term management of these resources. (See attachment for details).</i>

<p><i>SPECIAL INSTRUCTIONS</i></p>	<p><i>None</i></p>
<p><i>AVAILABLE STUDIES</i></p>	<p><i>Kentucky Highway Bridges in Kentucky-1792-1950 will be available for review in the Division of Program Performance -Professional Services Branch, Kentucky Transportation Office Building, 200 Mero Street, Frankfort, Kentucky, between the hours of 9:00 a.m. and 3:00 p.m. (EDT). Consultants may obtain copies from Lynn Copies 1122 US Hwy 127, South, Frankfort, KY 40601 Phone:502-875-8341. Costs will be set by Lynn Copies.</i></p>
<p align="center"><i>PREQUALIFICATION REQUIREMENTS</i></p>	
<p><u><i>Environmental Ar- chaeology And Other Services</i></u></p>	<ul style="list-style-type: none"> • <i>Historic</i>
<p><u><i>Highway Operations / Bridge Maintenance Services</i></u></p>	<ul style="list-style-type: none"> • <i>In-depth Structure Inspection</i>
<p><u><i>Structure Design</i></u></p>	<ul style="list-style-type: none"> • <i>Structure Design-Spans under 500'</i>
<p><u><i>(See QUALIFICATIONS on page 8 for further qualification requirements).</i></u></p>	

PROJECT SCHEDULE & MILESTONES

<i>RESPONSE DATE</i>	<i>August 8, 2007 4:30 (Frankfort Time)</i>
<i>SELECTION COMMITTEE MEETING</i>	<i>September 5, 2007</i>
<i>CONTRACT SCOPING CONFERENCE</i>	<i>September 12, 2007</i>
<i>TENTATIVE DEADLINE FOR CONSULTANT FEE PROPOSAL</i>	<i>October 10, 2007</i>
<i>CONTRACT NEGOTIATIONS</i>	<i>November 7, 2007</i>
<i>NOTICE TO PROCEED</i>	<i>January 9, 2008</i>
<i>DRAFT HISTORIC CONTEXT</i>	<i>May, 2008</i>
<i>FINAL HISTORIC CONTEXT</i>	<i>July, 2008</i>
<i>50% OF FIELDWORK AND SURVEY FORMS COMPLETE</i>	<i>December, 2008</i>
<i>ELIGIBILITY RECOMMENDATIONS, SURVEY FORMS, PHOTOGRAPHS</i>	<i>May 2009</i>
<i>DRAFT REPORT, DRAFT DATABASE, WEB APPLICATION</i>	<i>June, 2009</i>
<i>DRAFT REPORT, DRAFT DATABASE, WEB APPLICATION</i>	<i>August, 2009</i>

Though a more expedited delivery of the survey may be desirable, when establishing a schedule for completion, this schedule should be considered as a maximum delivery schedule.

In the Project Approach section of the response, the Consultant must provide a proposed work schedule/plan. The plan will detail the specifics of the project including the projected dates for submittal of final context, completion of field work for eligibility determination phase of project, compilation of survey forms and bridge photographs, submittal of draft and final reports, submittal of database configuration for approval, and submittal of web site design. The Consultant selected, with approval of KYTC, may utilize an alternative schedule for deliverables, however, all final work products must be delivered within 18 months of contract award. The proposed schedule is not required to include any projections associated with the Long-term Management and Feasibility Assessments since this phase will only occur after initiation of the Management plan phase of the work by KYTC.

EVALUATION FACTORS

- 1. Relative experience of consultant personnel assigned to project team with highway projects for KYTC and/or federal, local or other state governmental agencies. (15 points)*
- 2. Capacity to comply with project schedule. (10 points)*
- 3. Past record of performance on projects of similar type and complexity. (15 points)*
- 4. Project approach and proposed procedures to accomplish the services for the project. (10 points)*
- 5. Consultant's Kentucky office where work is to be performed. (2 points)*
 - 75% - 100% of work accomplished in Kentucky offices - 2 point(s)*
 - 26% - 74% of work accomplished in Kentucky offices - 1 point(s)*
 - 0% - 25% of work accomplished in Kentucky offices - 0 point(s)*

SELECTION COMMITTEE MEMBERS

- 1. Rebecca Horn Turner, User Division*
- 2. Randall J. Thomas, User Division*
- 3. Matt Bullock, Secretary's Pool*
- 4. Stuart Goodpaster, Secretary's Pool*
- 5. Ed Dyer, Governor's Pool*

BACKGROUND INFORMATION

Many of Kentucky's highway bridges pre-date World War I and have been determined to be dangerous, obsolete or approaching obsolescence. The 1997 Historic Bridge Survey documented 250 bridges. Approximately 139 of the 250 bridges in the highway system were determined eligible for inclusion in the National Register of Historic Places. The 139 bridges determined eligible included 97 truss, 27 arch-concrete, 3 slab, 7 T-beam, 1 frame, 2 suspension, and 1 channel-beam. Federal law affords bridges eligible for or listed on the National Register of Historic Places special protection and invokes special procedures when their replacement is proposed. Since these 139 bridges represent a broad cross-section of bridge technology from all corners of the State, significant variances in their ultimate disposition can occur. Determining how to equitably handle these dwindling resources needs to be addressed in a comprehensive program rather than a project specific basis.

Today only 57 of the 97 truss bridges determined eligible for the National Register are in use. The 2007 Historic Bridge survey will re-evaluate the 57 truss bridges from the 1997 survey plus 120 truss bridges that have never been surveyed and 29 timber bridges for a total of 206 truss and timber bridges.

The Kentucky Transportation Cabinet (KYTC), Division of Environmental Analysis (DEA) is seeking proposals for the development of a Historic Bridge Survey. The objective of this project is to update the existing historic bridge survey by reevaluating the 57 remaining truss bridges that were determined eligible for the National Register of Historic Places in the 1997 survey; and evaluating 120 truss and 29 timber bridges that possess the potential to be eligible for listing in the National Register of Historic Places. KYTC staff will provide a context and perform the evaluation of all concrete and masonry structures statewide. It will be the responsibility of the consultant to incorporate the conclusions of the concrete and masonry portion of the survey provided by KYTC with the consultant's findings in a complete report of Kentucky historic bridges.

Within each bridge type, the consultant shall assist KYTC in prioritizing the NRHP eligible or listed bridges for long-term preservation and adaptive reuse for inclusion in a Historic Bridge Management Plan. To facilitate the development of the Management Plan, the survey will also require an engineering assessment of highly ranked truss, timber, concrete and masonry structures to determine the feasibility of restoration and/or long term preservation. In addition to the Survey Results and the Management Plan, project deliverables will also include a web-based database application.

DETAIL SCOPE OF WORK

1. Context

The Consultant will be expected to perform the following:

Update the existing historic contexts developed in the previous bridge survey for the evaluation of truss and timber bridges;

Create new contexts for historic truss and timber bridges for the period of 1950-60 and Works Progress Administration;

For each context, develop registration requirements for determining truss and timber bridge eligibility; and

Develop criteria and parameters to objectively identify the "best" examples of each bridge type.

2. Technical Specifications

The Consultant shall prepare for truss and timber bridges:

Document the present condition of each bridge;

Evaluate and recommendations for National Register eligibility (Criteria A, B and C) of each bridge relative to bridge type and historic context;

Complete a Kentucky Historic Bridge Survey Form for each bridge;

Provide color digital on CD (CD format marked for identification). Photographs should be labeled and include views of each approach, upstream and downstream and architectural and structural elements and any other significant, character defining details.

B. The Consultant shall:

Prepare a report that at a minimum includes the updated and new historic contexts, a discussion of what is known about each bridge type (number, distribution, condition, significance), a description and evaluation of each bridge that was surveyed for truss and timber and information provided by KYTC for all concrete and masonry type;

Develop a bridge database (Access® software or other as approved by KYTC); and

Develop a web application that will graphically identify the location of each surveyed bridge (concrete, truss, etc.), its eligibility status, copy of survey forms, and photographs.

DETAIL SCOPE OF WORK CONTINUED

3. Preservation Recommendations

The Consultant shall prepare recommendations for the bridges that warrant the most consideration for long-term management and preservation from a historic property perspective. Recommendations shall be prioritized both within each bridge type and statewide and shall consider:

The number of bridges statewide within each bridge type;

The criteria under which bridges have been recommended as eligible for the National Register, and revised historic contexts;

Historic Integrity;

Compelling historic qualities; and

Reasonable preservation options.

These recommendations must consider the number of bridges within each category, and the general physical condition of each structure as well as the existing and anticipated future transportation needs along the route.

Long-term Management and Feasibility Assessments

To assist KYTC in the development of a long-term Management Plan for these resources, the Consultant shall:

Re-examine structures identified by KYTC as possible candidates for preservation to determine structural integrity, preservation/restoration/rehabilitation needs, estimated costs, etc.

Provide recommendations for those structures within each bridge type that represent best examples of each type of truss, timber, concrete and masonry that are also most feasible for inclusion in a long-term management plan.

Throughout all phases of the work, the Consultant will be required to prepare monthly status reports and meet quarterly with the Historic Bridge Survey Project Team.

QUALIFICATIONS

- *Consultant must meet the Secretary of Interior's Standards 36 CFR 61, Appendix A (Professional Qualifications and Standards), meet the pre-qualification standards for historic preservation as established by KYTC and have a vitae of each key project participant on file at the Kentucky Heritage Council;*
- *The Consultant must also demonstrate prequalification in the area of Bridge Maintenance Services/In-depth Structure Inspection and Structure Design-Spans under 500'. If any bridges with spans >500 feet are to be considered, use of a firm prequalified for such work shall be approved at that time;*
- *Consultant must describe personnel and technical resources that will be dedicated to the compilation and presentation of bridge survey data;*
- *The Consultant must have all equipment/personnel necessary to complete the project. No use of KYTC equipment or personnel should be expected;*
- *The Consultant must identify subcontractors to be utilized in the development of this project; and*
- *The Consultant must provide a resume of experience in developing surveys for placing NRHP eligible bridges or other historic structures in hierarchical historic contexts. Resumes shall include summaries of historic resource surveys conducted by the Consultant during the last five years. Consultant may submit summaries for transportation and/or bridge related projects, up to a maximum of 4-5 projects, which must include the following:*
 - *Date, location and customer contact (name, address, phone number) for each survey developed;*
 - *Description and number of historic resources surveyed and approximate total cost of project service; and,*
 - *Date contracted, contracted completion date and actual completion date. For purposes of this information, "completion" is defined as the date of issuance of final SHPO acceptance of the filed report (i.e. not conditional approval contingent upon report revision.)*