

PROFESSIONAL SERVICES PROCUREMENT
BULLETIN
2011-01

STATEWIDE UNDERWATER INSPECTION
AND SCOUR COUNTERMEASURE DESIGN

COUNTY	Statewide
PROJECT DESCRIPTION	Provide underwater inspection services related to scour at bridge substructures and the design of bridge scour countermeasures.
PROJECT MANAGER	J.C. Wilhoite, P.E.
USER DIVISION	Maintenance
APPROXIMATE FEE	One (1) consultant will be selected to provide services. \$500,000.00 Upset Limit. Work will be assigned via letter agreement with a negotiated Cost Plus A Fixed Fee per letter agreement.
PROJECT FUNDING	Federal Funds.
PURPOSE AND NEED	Perform underwater inspections of bridges outside the normal 5 year inspection cycle. Perform hydraulic analysis to predict the maximum scour depth. Provide bridge scour countermeasure design on an as needed basis. Other scour related services as needed.
DBE REQUIREMENT	None
METHOD OF DESIGN	The Selected Consultant shall utilize the current CADD Standards for Highway Plans policy in the development of the Highway Plans.

SCOPE OF WORK

The selected consultant will perform inspection and engineering services relative to identifying existing scour conditions at bridge substructures and developing a countermeasure plan of action. This will include:

- Perform underwater inspections in accordance with current NBIS standards
- Inspecting the current condition of the scour
- Determining the extent of the scour
- Provide underwater acoustic images or equivalent images of the scour condition
- Perform hydraulic analysis including scour and stream stability to determine the flow characteristics during different flood events
- Design and develop a countermeasure plan of action to correct any scour or stream stability issues in accordance with HEC 18 and HEC 23 (current edition)
- Produce a Contract Ready Proposal (CRP) in the current KYTC format to implement the plan of action
- Provide other scour related services that may be defined by the KYTC

SPECIAL INSTRUCTIONS

One (1) firm will be selected to provide these services. The contract period is a two (2) year contract. The contract will have an upset limit of \$500,000.00. Once the upset limit 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 the upset limit or extended for time to assign new work.

Instructions for Response to Announcement can be found at:

http://transportation.ky.gov/progperform/instructions_for_response_to_kentucky_transportation_cabinet_10-10-08.pdf

AVAILABLE STUDIES

None

PREQUALIFICATION REQUIREMENTS

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

BRIDGE MAINTENANCE SERVICES

- Underwater Structure Inspection

PROCUREMENT SCHEDULE

RESPONSE DATE	Wednesday, August 11, 2010 4:30 p.m. E.S.T. (Frankfort time)
SELECTION COMMITTEE DATE	September 1, 2010
PRE-DESIGN CONFERENCE	September 15, 2010
TENTATIVE DEADLINE FOR CONSULTANT FEE PROPOSAL	October 1, 2010
CONTRACT NEGOTIATIONS	November 1, 2010
NOTICE TO PROCEED	December 1, 2010
COMPLETION OF ALL SERVICES	November 30, 2012

EVALUATION FACTORS

1. In-house capacity and capacity to perform the required services. (20 points)
2. Performance on past or similar projects. (20 points)
3. Demonstrate familiarity with regulatory requirements and KYTC procedures for underwater inspection of bridges (Certified Diver and KY Licensed Professional Engineer with experience in underwater bridge inspection and scour evaluations. (20 points)
4. Project approach to completing the assigned task. (11 points)
5. Capacity to comply with schedules. (10 points)
6. Computer development skills with emphasis on new and innovative technology. (10 points)
7. 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.

SELECTION COMMITTEE MEMBERS

1. J.C. Wilhoite, PE, User Division
2. Josh Rogers, PE, User Division
3. Marvin Wolfe, PE, Secretary's Pool
4. Deanna Miller, PE, Secretary's Pool
5. David Atwell PE, Governor's Pool