



# PROFESSIONAL SERVICES PROCUREMENT BULLETIN 2011-02 BOONE/I-71/75

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<b>COUNTY</b>	Boone
<b>ROUTE</b>	I-71/75
<b>ITEM NO</b>	6-14.50
<b>PROJECT DESCRIPTION</b>	Add auxiliary lanes on I-71/75 from KY 536 to US 42 (NB & SB) as per Interchange Justification Study.
<b>PROJECT MANAGER</b>	Carol Callan-Ramler, P.E.
<b>USER DIVISION</b>	Design
<b>APPROXIMATE FEE</b>	\$400,000 Phase I-Preliminary Engineering and Environmental \$500,000 Phase II-Final Design Lump Sum Fee Contract
<b>PROJECT FUNDING</b>	Federal Funds (Interstate Maintenance)
<b>PROJECT LENGTH</b>	Approximately 1.5 miles
<b>PURPOSE AND NEED</b>	Increase safety and reduce traffic delays experienced within the vicinity of the I-71/75-KY 536 and US 42 interchanges. It shall complement the additional turn lanes for the proposed adjacent reconstruction of said KY 536 interchange which is to function as a diverging diamond (double crossover diamond), Item No. 6-14.00. Since 1994 when the KY 536 interchange opened traffic has experienced tremendous growth. Comparing 2006 ADT with 1994, I-71/75 has increased by a factor of 1.32 to over 104,000 ADT and KY 536 has increased by a factor of 3.41 to nearly 19,000 ADT.
<b>DBE REQUIREMENT</b>	The Consultant team shall include a DBE Participation Plan with their response to announcement. An additional page will be allowed with the project approach in the response to announcement to convey this plan. A maximum of 4 points will be considered in the evaluation factors for the DBE Participation Plan.
<b>METHOD OF DESIGN</b>	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 is required to provide engineering and environmental services to perform Phase I and II Roadway Design; including drainage design, right-of-way plans, construction plans, traffic control plans, cost estimates and structure plans.

## SPECIAL INSTRUCTIONS

The Department may retain any of the advertised services to be performed by in-house state forces.

Additional scope includes coordination with the 6-14.00, I-71/75-KY 536 Interchange Reconstruction, which may include traffic modeling, and support to a project website to be developed by KYTC.

**Instructions for Response to Announcement can be found at:**

[http://transportation.ky.gov/progperform/instructions\\_for\\_response\\_to\\_kentucky\\_transportation\\_cabinet\\_6-9-06.pdf](http://transportation.ky.gov/progperform/instructions_for_response_to_kentucky_transportation_cabinet_6-9-06.pdf)

<b>AVAILABLE STUDIES</b>	<ol style="list-style-type: none"><li>1. <u>Interchange Justification Study: 6-14.01 (KY 536 &amp; KY 338)</u></li><li>2. <u>Boone County Transportation Plan 2030</u></li></ol>
<b>PHOTOGRAMMETRIC SERVICES</b>	The Department will provide the aerial mapping. Data to be available August/September 2010.
<b>GEOTECHNICAL SERVICES</b>	The Department will provide all Geotechnical Services required for the project.
<b>ENVIRONMENTAL</b>	The Selected Consultant will be responsible for the preparation of the appropriate Environmental Studies, CE III document anticipated.
<b>PLANNING</b>	<p>The Selected Consultant will be required to provide a Traffic Model and Analysis. The Highway Capacity Manual (HCM) methodology must be used as a minimum to base analysis of alternatives and all aspects of traffic movements, including .</p> <p>The Selected Consultant will be responsible for all aspects of traffic movements, including lane adds/drops, and coordination with adjacent project, Item No. 6-14.00-I-71/75-Ky 536 Interchange Reconstruction.</p> <p>Traffic projections and related information will be provided by the Department.</p>

<b>STRUCTURE DESIGN</b>	<p>The Selected Consultant shall do the necessary engineering service to submit to the KYTC an Advanced Situation Folder(s) for the appropriate applicable structure(s).</p> <p>The Structure Design will be performed by the Consultant. Prequalification in the area of Structure Design is required to be identified in the Consultant's Response To Announcement.</p>
<b>UTILITIES</b>	<p>The Selected Consultant will be responsible for determining the existing locations of utilities to determine feasibility of redesign or utility relocation, and cost estimates.</p>
<b>TRAFFIC</b>	<p>Traffic projections and related information will be provided by the Department.</p>

**PREQUALIFICATION REQUIREMENTS**

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

<u>ROADWAY DESIGN</u>	<ul style="list-style-type: none"> <li>• Urban Roadway Design</li> <li>• Surveying</li> </ul>
<u>STRUCTURE DESIGN</u>	<ul style="list-style-type: none"> <li>• Spans under 500 feet</li> </ul>
<u>TRANSPORTATION PLANNING</u>	<ul style="list-style-type: none"> <li>• Traffic Demand Modeling</li> </ul>
<u>ENVIRONMENTAL AQUATIC &amp; TERRESTRIAL ECOSYSTEMS ANALYSIS</u>	<ul style="list-style-type: none"> <li>• Macroinvertebrates</li> <li>• Water Quality</li> <li>• Botany</li> <li>• Zoology</li> <li>• Wetlands</li> </ul>
<u>ENVIRONMENTAL ARCHAEOLOGY AND OTHER SERVICES</u>	<ul style="list-style-type: none"> <li>• Prehistoric</li> <li>• Historic</li> <li>• Highway Noise</li> <li>• Air Quality Analysis</li> <li>• Cultural-Historic Analysis</li> <li>• EIS Writing and Coordination</li> </ul>
<u>ENVIRONMENTAL AND UST SERVICES</u>	<ul style="list-style-type: none"> <li>• Hazmat Preliminary Site Assessment (Phase I)</li> <li>• UST Preliminary Site Assessment</li> </ul>

## PROCUREMENT SCHEDULE

RESPONSE DATE	Thursday, September 9, 2010 4:30 p.m. E.S.T. (Frankfort time)
SELECTION COMMITTEE DATE	October 1, 2010
PRE-DESIGN CONFERENCE	October 8, 2010
TENTATIVE DEADLINE FOR CONSULTANT FEE PROPOSAL	October 21, 2010
CONTRACT NEGOTIATIONS	November 15, 2010
NOTICE TO PROCEED	December 15, 2010

## PROJECT SCHEDULE

RIGHT-OF-WAY	February 2012
UTILITIES	February 2012
CONSTRUCTION	February 2013

## EVALUATION FACTORS

1. Relative experience of Consultant personnel assigned to project team with highway projects for KYTC and/or for federal, local, or other state governmental agencies. (15 points)
2. Capacity to comply with project schedule. (15 points)
3. Past record of performance on project of similar type and complexity. (15 points)
4. Project approach and proposed procedures to accomplish the services for the project. (15 points)
5. DBE Participation Plan (4 points)
6. 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. John Eckler, PE, User Division
2. Jim Simpson, PE, User Division
3. Boday Borres, PE, Secretary's Pool
4. Brian Meade, PE, Secretary's Pool
5. Jim Lile, PE, Governor's Pool

# 6-14.50 Project Limits

