

**Professional Services
Procurement Bulletin
2007-07
District 7
Traffic Engineering Services**

COUNTY	<i>Anderson, Bourbon, Boyle, Clark, Fayette, Garrard, Jessamine, Madison, Mercer, Montgomery, Scott, Woodford</i>
ROUTE	<i>Various</i>
DISTRICT	<i>Highway District 7</i>
PROJECT DESCRIPTION	<i>The selected Consultant will be responsible for performing Traffic Engineering services in Highway District 7. The selected Consultant will conduct traffic counts, Speed Studies, Accident Studies/ Diagrams, Corridor Reviews, Emergency/Railroad Preemption, and other required Traffic Engineering functions. The selected Consultant will provide Traffic Engineering recommendations and Engineering Drawings based upon the results of those Studies. This will include management of electrical contractors that are under contract to the Transportation Cabinet for electrical device (Traffic signals and systems, Flashing beacons, and School Flashers and Pedestrian Crossings outside of Fayette County) operations and maintenance, installation of new electrical devices, and changes to existing electrical devices.</i>
PROJECT MANAGER	<i>Craig Price, Highway District 7 Traffic Engineer</i>
USER DIVISION	<i>Highway District 7</i>
APPROXIMATE FEE	<i>The selected Consultant will be assigned specific activities to perform, and will be paid in accordance with the prices established for the various activities. Task assignments will be based on the tasks that are performed to accomplish Traffic Engineering services in Highway District 7. Work is anticipated in the general categories as indicated in the Scope. Work will be assigned via letter agreement, not to exceed \$200,000 per letter agreement. This contract will have an up-set limit of \$1,500,000.</i>

PUR- POSE AND NEED	<p><i>Perform traffic engineering services to assist the Highway District 7 Traffic Engineer.</i></p>
SCOPE	<p><i>The selected consultant must possess the expertise and capacity to be able to perform the traffic engineering tasks listed below:</i></p> <p><i>Maintain continuous coordination with the Highway District 7 Traffic Engineer to schedule activities related to this Contract. Prepare Reports detailing activities, results, and compliance with expected completion time-frames.</i></p> <p><i>Traffic Counts - In general, 12 hr, 96 hr, peak hour, and turning movement counts (may be manual counts, electronic counts, or tube counts).</i></p> <p><i>Intersection Delay Studies - In general, intersection delay studies will be used to determine the total vehicle delay on a specific approach to an intersection. Intersection Delay is typically measured during the peak hour and includes the number of vehicles on the approach, the total vehicle delay (veh-hours), the maximum queue length for the approach, and the average delay per vehicle (seconds) on the approach.</i></p> <p><i>Travel Time Studies - In general, the travel speed study will be for an arterial street. The study may involve multiple runs with all runs included in the study. The study should be performed with software developed by the Cabinet, using PDS and GPS units. Software shall be provided by the Cabinet. PDA and GPS units shall be provided by the consultant. Studies will typically involve analysis collected.</i></p> <p><i>Survey/Drawing/Inventory - The task order will indicate the degree of sophistication desired. In most cases, a good sketch with rough distances will be adequate. Inventories will generally consist of equipment and support infrastructure.</i></p> <p><i>Speed Studies - Speed studies shall be conducted manually and in conformance with standard practice from the Traffic Control Devices Handbook or another acceptable traffic engineering reference. Speed study data collected with tubes or other automated methods is unacceptable. Speed study areas will be designated on a map with the number of required collection points per direction indicated. A standard reporting format (Excel spreadsheet) will be provided by the District Traffic Engineer. Based upon the Studies performed as enumerated, prepare Engineering recommendations and drawings to accomplish the additions/changes that may result from those studies.</i></p> <p><i>Manage the activities of electrical contractors that are under contract to the Transportation Cabinet in Highway District 7 for the Operation and Maintenance of electrical devices outside of Fayette County. This currently includes 277 Traffic Signals, 77 Flashing Beacons, and 137 School Flashers and Pedestrian Crossings. There are 15 Traffic Signal Systems incorporating 125 of the Traffic Signals. The Transportation Cabinet plans to modify or change the existing contracts with electrical contractors to include priority and emergency response time requirements.</i></p> <p><i>Manage the activities of electrical contractors that are under contract to the Transportation Cabinet in Highway District 7 to make modifications and improvements to existing electrical devices as required.</i></p> <p><i>Manage the activities of electrical contractors that are under contract to the Transportation Cabinet in Highway District 7 to install new electrical devices as required.</i></p>

SPECIAL INSTRUCTIONS	<p><i>A general Services Master Agreement will be entered into for a period of 2 years with the option to renew for an additional 1 year if remaining upset limit exists. This contract will not be modified to increase the upset limit beyond the \$1,500,000.00 limit.</i></p> <p><i>MANDATORY Pre-Proposal Conference Highway District 7 Office-January 26, 2007 at 9:30 a.m. (EST)</i></p> <p><u><i>2007-07 District 7 Traffic Engineering Services - Pre Proposal Conference - 1-26-07 - Q&A (Updated 1-19-07)</i></u></p>
ADDITIONAL INFORMATION	<p><i>The selected Consultant must have the capability to perform any/and or all of the Traffic Engineering services enumerated above for Highway District 7. This will require rapid response to management of maintenance needs on a 24/7 basis 365 days per year.</i></p> <p><i>The selected Consultant must have the capability to collect and analyze the data from traffic studies that it may conduct, 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.</i></p>
PHOTO-GRAMMETRIC SERVICES	N/A
STRUCTURE DESIGN	N/A
GEOTECHNICAL SERVICES	N/A
TRAFFIC	N/A
ENVIRONMENTAL	N/A
UTILITY	N/A
PREQUALIFICATION REQUIREMENTS	
<u>TRAFFIC ENGINEERING</u>	<ul style="list-style-type: none"> • <i>Traffic Engineering Services</i> • <i>Electrical Engineering Services</i>

PROJECT SCHEDULE & MILESTONES

<i>MANDATORY Pre-Proposal Conference Highway District 7 Office</i>	<i>January 26, 2007 at 9:30 a.m. (EST)</i>
<i>RESPONSE DATE</i>	<i>February 7, 2007 4:30 p.m. (Frankfort Time)</i>
<i>SELECTION COMMITTEE DATE MEETING</i>	<i>February 21 or 22, 2007</i>
<i>SCOPING CONFERENCE</i>	<i>March 1, 2007</i>
<i>TENTATIVE DEADLINE FOR CONSULTANT FEE PROPOSAL</i>	<i>Set on a project by project basis</i>
<i>CONTRACT NEGOTIATIONS</i>	<i>Set on a project by project basis</i>
<i>NOTICE TO PROCEED</i>	<i>July 1, 2007</i>
<i>COORDINATION WITH HIGHWAY DIS- TRICT 7 TRAFFIC ENGINEERING</i>	<i>CONTINUOUS</i>
<i>MANAGEMENT OF ELECTRICAL CON- TRACTORS PER CABINET CONTRACTS:</i>	<i>AS REQUIRED</i>
<i>TRAVEL TIME STUDIES:</i>	<i>FOUR TO TWELVE WEEKS</i>
<i>SPEED STUDIES:</i>	<i>THREE WEEKS</i>
<i>SURVEYING/DRAWING/INVENTORY:</i>	<i>FOUR TO TWELVE WEEKS</i>
<i>TRAFFIC COUNTS:</i>	<i>THREE WEEKS</i>
<i>INTERSECTION DELAY:</i>	<i>THREE WEEKS</i>

The selected consultant is expected to meet the scheduled milestone dates

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. (10 points)***
- 2. Capacity to comply with project schedule. (10 points)***
- 3. Past record of performance on projects 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 Kentucky office where work is to be performed. (2 points)***

75% - 100% of work accomplished in Kentucky offices - 2 points

26% - 74% of work accomplished in Kentucky offices - 1 point

0% - 25% of work accomplished in Kentucky offices - 0 points

SELECTION COMMITTEE MEMBERS

- 1. Craig Price, P.E., User Division***
- 2. Glenn Anderson, P.E., User Division***
- 3. Michael Calebs, Secretary's Pool***
- 4. Shari Greenwell, Secretary's Pool***
- 5. Howard Cruse, Governor's Pool***