

A REQUEST FOR PROPOSALS FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways Professional Services Procurement Bulletin 2019-07 Statewide Planning Traffic Counting

This document constitutes a Request for Proposals for a 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

One Consultant shall be selected to collect vehicular traffic data for the Kentucky Transportation Cabinet (KYTC) Division of Planning used to develop estimates of the amount of vehicular travel, usage, and/or characteristics associated with a system of highways or with a particular location on a highway.

The Consultant shall perform up to 250 counts statewide per year, approximately 2/3 of which will be volume counts and 1/3 of which will be classification counts. There is no guarantee of the quantity of work mentioned in this request for proposals and KYTC is obligated only to the extent of the needed services during the term of the contract.

II. PROJECT INFORMATION

Project Manager – Jadie Tomlinson, P.E.

User Division – Planning

Approximate Fee – \$100,000 Upset Limit

Pay items as listed on attached sheet will be the only method of payment for services provided by the Consultant. Projects will be assigned via Letter Agreement.

Project Funding – State and Federal Funds

III. PURPOSE AND NEED

Collect vehicular traffic data to support Planning, Traffic Operations, Highway Design, Modeling and Air Quality needs, and federal reporting by KYTC.

IV. DBE REQUIREMENT

None

V. SCOPE OF WORK

One consultant will be selected to provide Traffic Data Collection services for the duration of the contract. The data shall be collected per the current editions of the American Association of State Highway Transportation Officials (AASHTO) *Guidelines for Traffic Data Programs*, Federal Highway Administration (FHWA) *Traffic Monitoring Guide*, and the FHWA *Manual on Uniform Traffic Control Devices*. This may include short-term volume, short-term classification, intersection turning-movement volume, and/or intersection turning movement classification data collection.

All classification counts shall be collected using FHWA Scheme "F" 13 plus 2 bins. Speed data shall be collected in KYTC-defined, 13 bins.

Major holidays, school holidays and in-session events shall be monitored so that counts are not performed at those times.

VI. SPECIAL INSTRUCTIONS

The Consultant shall furnish all traffic data collectors. The traffic data collectors shall be capable of collecting data in 15-minute and 60-minute intervals. Equipment shall be capable of collecting directional and non-directional data according to the FHWA *Traffic Monitoring Guide*. The Consultant shall be responsible for all testing, certification, repair and maintenance of the equipment and shall show proof of certification of all counters prior to beginning the counts assigned.

Unless otherwise noted, the Consultant shall be responsible for all necessary labor and equipment to complete the count assignments.

Data collected shall be provided in PEEK format produced by PEEK brand automated data recorders:

- PEEK Daily format including an index for all files submitted
- Raw data files from the data collector regardless of make and manufacturer of the device

The Consultant shall provide Global Positioning System (GPS) units to locate portable count locations by latitude/longitude.

Each data file is to be accompanied by a count card completed by the Consultant. Completed count cards and data files shall be emailed to KYTC personnel.

The Consultant will be responsible for all necessary traffic control.

Fees will be categorized as listed in the attached pay items table. Responding Consultants shall fill in the Unit Price column of the pay items table and include this in a sealed envelope clearly marked "Fee Schedule" with their Response to Announcement.

The contract period will be two (2) years with an upset limit of \$100,000. 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. Contract will not be modified to increase the upset limit or extend for time to assign new work.

Instructions for Response to Announcement can be found at:

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

VII. PAY ITEMS

KENTUCKY STATEWIDE TRAFFIC DATA COLLECTION

Item #	Description	Unit	Unit Price
1	Volume estimate	Each	
2	Volume data collection on non-interstate roadway (includes interstate ramps) using Consultant-supplied data collection equipment (1 lane)	Each	
3	Volume data collection on non-interstate roadway (includes interstate ramps) using Consultant-supplied data collection equipment (2 lane)	Each	
4	Volume data collection on non-interstate roadway (includes interstate ramps) using Consultant-supplied data collection equipment (3 lane)	Each	
5	Volume data collection on non-interstate roadway (includes interstate ramps) using Consultant-supplied data collection equipment (4 lane)	Each	
6	Classification data collection on non-interstate roadway (includes interstate ramps) using Consultant-supplied data collection equipment (maximum two lanes per data collector)	Each	
7	Volume or Classification data collection on non-interstate roadway using KYTC's in-pavement sensors	Each	
8	Volume data collection on interstate roadway using Consultant-supplied data collection equipment (1 lane)	Each	
9	Volume data collection on interstate roadway using Consultant-supplied data collection equipment (2 Lanes)	Each	
10	Volume data collection on interstate roadway using Consultant-supplied data collection equipment (3 Lanes)	Each	
11	Volume data collection on interstate roadway using Consultant-supplied data collection equipment (4 Lanes)	Each	
12	Classification data collection on interstate roadway using Consultant-supplied data collection equipment (maximum two lanes per data collector)	Each	
13	Volume or Classification data collection on interstate roadway using KYTC's in-pavement sensors	Each	
14	Intersection Turning Movement Volume data collection	Hour	
15	Intersection Turning Movement Classification data collection	Hour	
16	Manual classification count	Hour	
17	Video Recording	Each	
18	Video Data Processing and Submission	Lane-Hour	

Pay Items Descriptions

Each pay item shall include the requisite traffic control, as required.

Direct costs for mileage, per diem, and lodging will be negotiated in accordance with the Professional Services policy for field personnel.

Estimates – for route segments the Project Manager determines not feasible to use automated methods. A count card shall accompany the estimated count.

Volume data collection for the specified number of lanes on non-interstate roadway (includes interstate ramps) using Consultant-supplied, data collection equipment – the collection and submission (including count card) of a minimum of 48 hours of volume data on a non-interstate roadway (includes interstate ramps), using consultant-supplied, data collection equipment.

Classification data collection on non-interstate roadway (includes interstate ramps) using Consultant-supplied, data collection equipment (maximum two lanes per data collector) – the collection and submission (including count card) of a minimum of 48 hours of classification data (including speed data) on a non-interstate roadway (includes interstate ramps), using consultant-supplied, data collection equipment.

Volume or Classification data collection on non-interstate roadway (includes interstate ramps) using KYTC's in-pavement sensors – the collection and submission (including count card) of a minimum of 48 hours of volume or classification data (including speed data for classification counts) on a non-interstate roadway (includes interstate ramps), using KYTC's in-pavement sensors.

Volume data collection for the specified number of lanes on interstate roadway using Consultant-supplied data collection equipment – the collection and submission (including count card) of one week of volume data on an interstate roadway, using consultant-supplied, data collection equipment.

Classification data collection on interstate roadway using Consultant-supplied data collection equipment (maximum two lanes per data collector) – the collection and submission (including count card) of one week of classification data (including speed data) on an interstate roadway, using consultant-supplied, data collection equipment.

Volume or Classification data collection on interstate roadway using KYTC's in-pavement sensors – the collection and submission (including count card) of one week of volume or classification data (including speed data for classification counts) on an interstate roadway, using KYTC's in-pavement sensors.

Intersection Turning Movement Volume data collection – the collection and submission of intersection turning movement volume data.

Intersection Turning Movement Classification data collection – the collection and submission of intersection turning movement classification data.

Manual classification count – the collection and submission (including count card) of manual classification data.

Video Recording – the field deployment and collection of a video recording unit to capture vehicular

volume and/or classification data.

Video Data Processing and Submission – the processing and submission (including count card) of vehicular volume and/or classification data from video.

As a quality control measure, the Project Manager may request a recount for any submitted data. If the recount is less than $\pm 10\%$ of the original count, the Consultant will be paid for both counts (the original count and the recount) at the contract price for the specific count. If the recount is greater than $\pm 10\%$ of the original count, the Contractor will be paid for the original count but shall bear the entire cost of the recount.

VIII. PREQUALIFICATION REQUIREMENTS

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

[TRANSPORTATION PLANNING](#)

- Traffic Data Collection

IX. PROCUREMENT SCHEDULE

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

- Advertisement Date – January 8, 2019
- Response Due – January 30, 2019 by 4:30 pm ET (Frankfort Time)
- First Selection – February 4, 2019
- Final Selection – February 20, 2019
- Contract Scoping Conference – February 27, 2019
- Notice to Proceed – April 1, 2019

X. PROJECT SCHEDULE

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

XI. EVALUATION FACTORS

Consultants will be evaluated by the selection committee based on the following, weighted factors:

1. Demonstrated experience of Consultant personnel with traffic data collection for KYTC and/or federal, local or other state governmental agencies. (20 points)
2. Capacity and availability of equipment to comply with correct data format and count schedule. (20 points)
3. Past record of performance on project of similar type and complexity. Consultant shall list relevant references, names, and phone numbers. (20 points)
4. Project approach and proposed procedures to accomplish the services for the project. (10 points)
5. Proposed Unit Price Fees. (8 points)

6. Knowledge of the locality and familiarity of the general geographic area. (2 points)

The fees, if determined reasonable and acceptable by the committee, will be written into the contract. If the rates are determined to not be acceptable, rates will be negotiated after Consultant selection.

XII. SELECTION COMMITTEE MEMBERS

1. Jadie Tomlinson, P.E., User Division
2. Melissa Brown, User Division
3. Stewart Lich, P.E., Secretary's Pool
4. Patrick Perry, P.E., Secretary's Pool
5. Kellie Baker, P.E., Governor's Pool