



Professional Services Procurement Bulletin 2006-01 Statewide Traffic Data

COUNTY	Statewide
ROUTE	Statewide
DISTRICT	Statewide
ITEM NO	N/A
PROJECT DESCRIPTION	Collect traffic data used to develop estimates of the amount of person or vehicular travel, vehicle usage or vehicle characteristics associated with a system of highways or with a particular location on a highway.
PROJECT MANAGER	David Franke, P.E.
USER DIVISION	Division of Planning
APPROXIMATE FEE	<ul style="list-style-type: none"> • Performing up to 3000 volume counts statewide per year. On a statewide basis, 70% of these volume counts are estimated to have up to 2000 ADT. • Approximately 200 vehicle classification counts on the above roads • Other installation, repair, and maintenance upon request (see page 6) • Miscellaneous counts (see page 6)
PURPOSE AND NEED	Collect traffic data information to support planning, traffic operations, design, modeling and air quality needs and federal reporting of the Cabinet.
PROJECT LENGTH	N/A
METHOD OF DESIGN	N/A
DBE REQUIREMENT	None
AVAILABLE STUDIES	N/A
PROJECT FUNDING	Federal funds (80%) and State Road Funds (20%)

SCOPE	The data must be collected using the concepts described in the “AASHTO Guidelines for Traffic Data Programs,” FHWA “Traffic Monitoring Guide (TMG),” and the Manual on Uniform Traffic Control Devices (MUTCD). This will include short-term volume and classification machine counts, manual volume and classification counts, manual turning counts, and may also include installation, repair, and maintenance of permanent loop sites and Automatic Traffic Recorders. All classification counts are to be collected using FHWA Scheme “F” 13 plus 2 bins. Major holidays, school holidays and in-session events must be monitored so as not to count at those times. The counts except for manual will be at least 48 hours in duration. Manual counts will be up to 12 hours in duration. Speeds will be collected in 13 bins (or KYTC-defined during classification counts).
ENVIRONMENTAL	N/A
PHOTOGRAMMETRIC SERVICES	N/A
STRUCTURE DESIGN	N/A
GEOTECHNICAL SERVICES	N/A
TRAFFIC	The Consultant will be responsible for all necessary traffic control.
SPECIAL INSTRUCTIONS	<ul style="list-style-type: none"> • The Consultant shall furnish all portable traffic counters which use road tubes. The traffic counters shall be capable of collecting data in fifteen minute and sixty minute intervals, outputting the count data to a computer and then transferring files via email and sending count cards by regular mail. The consultant is responsible for all testing, certification, repair and maintenance of the equipment and must show proof of certification of all counters prior to beginning the counts assigned. The consultant will also be responsible for all necessary labor and equipment to complete the count assignments, manual counts, loop placements, or ATR repairs and maintenance (materials may be optional for permanent installation. See Rate Schedule Table.) • Equipment must be capable of collecting directional and non-directional volume data according to the Traffic Monitoring Guide (TMG) standards. Data collected must be reported in a format equal to that produced by PEEK brand of automated date recorders, model ADR 1000.

- Data is to be provided to KYTC in the following formats:
 1. Peek's Daily, Monthly and Index formats
 2. ADR binary file (if Peek ADR Traffic Data Recorders are used)
- Consultant is required to provide GPS units to locate portable count locations by latitude/longitude (using decimal degree).
- The Division of Planning's validation program will be furnished to the selected consultant for Quality Assurance and Quality Control. This validation program must be used for every count before forwarding to KYTC.
- Once counts have been completed and validated, completed count cards, the validated text file, and data files are to be mailed and emailed to respective KYTC personnel.
- Fees will be categorized in the attached table:

LOCATION MAP

- Count cards will accompany all count assignments. City and county traffic count maps are available on the Division of Planning's web site. Specific site locations maintenance or sensor installation will be provided on an as needed basis.
- For use in this advertisement, attached is a list of approximate numbers of portable counts expected per county.

OUTSTANDING-
TRAFFIC COUNTS

[Traffic Outsourcing](#)

PREQUALIFICATION REQUIREMENTS

[Transportation Planning](#)

Traffic Data Collection

PROJECT SCHEDULE & MILESTONES

RESPONSE DATE	September 1, 2005 4:30 p.m. (Frankfort Time)
SELECTION COMMITTEE DATE MEETING	09/15/2005
CONTRACT SCOPING MEETING	09/29/2005
TENTATIVE DEADLINE FOR CONSULTANT FEE PROPOSAL	10/13/2005
CONTRACT NEGOTIATIONS	10/27/2005
NOTICE TO PROCEED	11/10/2005
COUNTS ASSIGNED	02/15/2006
COUNTS COMPLETED BY	11/15/2006
INDIVIDUAL COUNTS MUST BE SUBMITTED WITHIN TWO (2) WEEKS OF COUNT COMPLETION INTERMITTENTLY AS TO ALLOW KYTC PERSONNEL TO REVIEW, PROCESS AND ANALYZE THE DATA	
MILESTONES:	
BY END OF FIRST QUARTER	15%
BY END OF SECOND QUARTER	45%
BY END OF THIRD QUARTER	60%
BY NOVEMBER 15, 2006	100%

The selected consultant is expected to meet the scheduled milestone dates.

EVALUATION FACTORS

1. Demonstrated experience of consultant personnel assigned to project team with traffic data collection for KYTC and/or for federal, local or other state governmental agencies. (18 points)
2. Capacity to comply with correct data format and count schedule. Consultant must provide an electronic file (2 directional classification count) from their data collection equipment as proof. (20 points)
3. Past record of performance on project of similar type, complexity and magnitude. (20 points) Consultant's must list relevant references, names and phone numbers.
4. Project approach and proposed procedures to accomplish the services. (10 points)
5. Fee schedule for the count categories (30 points)
6. 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 office - 0 points

- SELECTION COMMITTEE MEMBERS
1. David Franke, P.E., User Division
 2. Greg Witt, User Division
 3. Mike Bezold, Secretary's Pool
 4. Greg Meredith, Secretary's Pool

RATE SCHEDULE		
Description	Unit	Rate
Classification Monitoring Site (urban or rural, using road tubes, or loops, piezoelectric sensors or other sensors as specified by Cabinet)	Each	
Volume Monitoring Site (urban or rural, using road tubes or loops as specified by Cabinet)	Each	
Intersection Turning Movement and Approach Counts (both class, and volume)	Each	
Manual classification count (Up tp 6 hours)	Each	
Intersection manual turning movement counts <ul style="list-style-type: none"> • Peak (6 hours) • 12-hour (6a.m. to 6 p.m. or 7 a.m. to 7 p.m.) 	Each	
INSTALL NEW TRAFFIC MONITORING SITES both Permanent and Temporary		
Traffic Control/Lane Closure (day time) (All necessary equipment, labor and materials provided by the consultant)	Per lane	
Traffic Control/Lane Closure (night time) (All necessary equipment, labor and materials provided by the consultant)	Per lane	
Shoulder Closure	Each	
Install loop (with all necessary labor, equipment and materials included)	Each	
Install loop (with all necessary labor and equipment included)	Each	
Install piezo (with all necessary labor, equipment and materials included)	Each	
Install piezo (with all necessary labor and equipment included)	Each	
Miscellaneous (install wire, conduit and junction box and complete hook-up of sensors to Cabinet)	Lump sum	