



**PROFESSIONAL SERVICES
 PROCUREMENT BULLETIN
 2006-05
 STATEWIDE GPS APPROACH STUDY**

COUNTY	Statewide
ROUTE	N/A
DISTRICT	Statewide
ITEM NO	N/A
PROJECT DESCRIPTION	Global Positioning Systems (GPS) Approach Study for several statewide airports, including a Part 405 Obstruction Survey and an Airport Layout Plan (ALP) Update.
PROJECT MANAGER	Craig Farmer, P.E.
USER DIVISION	KY Department of Aviation
APPROXIMATE FEE	\$500,000 (Estimated)
PURPOSE AND NEED	To gather and analyze the information necessary to assist the FSS with creating a GPS Approach with Vertical Guidance to the associated Airport.
METHOD OF DESIGN	The selected consultant shall utilize the Computer Aided Design & Drafting (CADD) Standards for Highway Plans (version 2.0) policy in the development of the Highway Plans.
DBE REQUIREMENT	Consultant team should include a DBE participation plan with their response to announcement. An additional page will be allowed in the project approach in response to announcement to convey this plan. A maximum of 4 points will be considered in the evaluation factors for the DBE Participation Plan.
PHOTOGRAM-METRIC SERVICES	The Consultant will be responsible for obtaining the aerial photography and will furnish manuscripts on computer disks in .dgn format. The Consultant will also provide hard copies of the aerial photos to the Department.

PROJECT
FUNDING

Federal and State Funded

SCOPE

Collect, analyze, and prepare the information necessary to create a GPS Approach Study to be utilized by the Federal Aviation Administration (FAA) Approach Procedures Office (Atlanta, GA) to generate a GPS Approach with the lowest possible minimums at the associated airport. The Approach Study will include:

1. Photo Control, Aerial Photography and Mapping
2. Field Survey
3. Part 405 Obstruction Survey Drawing
 - Plan and Profile of airport and approaches
 - Obstruction data table
 - Part 405 narrative/survey report
 - Any other information required by FAA Part 405 Survey Standards and Requirements
4. Airport Layout Plan Update
 - Airport Layout Drawing, including existing and proposed facilities, runways, taxiways, apron, etc. (MUST CONFORM TO FAA STANDARDS)
 - Airport Airspace Drawing with Obstruction Data Table (MUST CONFORM TO FAA STANDARDS)
 - Inner Approach Surface Drawing (2 per runway) with obstruction data table (MUST CONFORM TO FAA STANDARDS)
5. GPS Instrument Approach Report
 - Determine airport classification and design aircraft
 - Site visit for data collection/confirmation
 - Existing potential for instrument approaches under current conditions
 - Cost estimate of "modest" airport improvements for better approaches
 - Determine preferred runway end for instrument approach
 - Development of information necessary to be submitted to the FAA Flight Procedures Office to generate a GPS Approach to the preferred runway end with the lowest possible minimums.

SCOPE

6. Coordinate Approval Process with the FAA

- Secure approval of Part 405 Obstruction Survey by FAA/National Geometric Survey (NGS).
- Secure design and approval of the new instrument approach procedure by FAA Flight Procedures
- Submittal of all appropriate applications and forms
- All necessary phone calls and meetings

A contract will be executed for a 2 year period with an option to renew for a 3rd year.

SPECIAL INSTRUCTIONS

Please note the new guidelines for responding to project bulletins should be used. [Instructions Response to Kentucky Transportation Cabinet.pdf](#)

The Department reserves the option to modify the selected consultant's agreement to include any necessary engineering and/or related services for this project. The firm(s) will at that time be prequalified by the Department in the required area(s).

PREQUALIFICATION REQUIREMENTS

The project team shall be prequalified in all areas as follows:

<u>AERONAUTICS</u>	<ul style="list-style-type: none"> • Airport Master Planning
<u>ROADWAY DESIGN</u>	<ul style="list-style-type: none"> • Surveying • Photogrammetry and Related Services

PROJECT SCHEDULE & MILESTONES

RESPONSE DATE	March 8, 2006 4:30 p.m. (Frankfort Time)
SELECTION COMMITTEE DATE MEETING	March 22, 2006
SCOPING CONFERENCE	April 5, 2006
TENTATIVE DEADLINE FOR SCOPING CONFERENCE MINUTES	April 19, 2006
NOTICE TO PROCEED	May 24, 2006
INITIAL SITE VISIT	Milestone Dates will be set on a project by project basis
AERIAL AND GROUND SURVEY	Milestone Dates will be set on a project by project basis
DRAFT GPS STUDY	Milestone Dates will be set on a project by project basis
FINAL GPS STUDY	Milestone Dates will be set on a project by project basis
COORDINATION WITH FAA FLIGHT PROCEDURES (FAA-Atlanta)	Milestone Dates will be set on a project by project basis

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

EVALUATION FACTORS

1. Relative experience of consultant personnel assigned to project team with aviation planning projects for KDA 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 project 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)
6. Consultant team should include a DBE participation plan with their response to announcement. An additional page will be allowed with the Project Approach (page 7) in the response to announcement to convey this plan. (4 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 Farmer, P.E., User Division
2. Perry Semones, P.E., User Division
3. Danl Hall, Secretary's Pool
4. Shari Greenwell, Secretary's Pool
5. Edwin Dyer, Governor's Pool