

REQUEST FOR PROPOSALS

911, GIS and CAD addressing information enhancement

Overview: Delaware County is seeking proposals regarding an update to the current 911 CAD addressing information and GIS databanks. Delaware County Emergency Management oversees the Delaware County 911 system which is responsible for dispatching all of the priority call for Fire, EMS and Law enforcement through the County.

The Delaware County Department of Emergency Management is issuing a request for proposals from qualified consultants to perform multiple aspects of updating the current CAD system with regards to incomplete address points, mapping and planning for a reduction in the need for field addressing.

Working directly with the 911 Coordinator the qualified consultant will perform the said task outlined in the scope of work listed below. The information will be updated on two separate CAD databases and the Consultant will be working closely with eth Delaware County Planning department to facilitate these tasks.

Project Objectives:

It is the intent for The Delaware County Emergency Management Office to accomplish the following:

- 1. Assign geographic coordinates (x,y) to the collection of approximately 500 911 addresses that were not established using GPS. These addresses are recorded on hardcopy forms, but do not have x,y coordinates. Various techniques will be needed to calculate coordinates including: geocoding using the County's road centerline and address point shapefiles; dynamic segmentation; and interactive placement using digital tax parcel boundaries, aerial photography, and other references.
- Update the address point and road centerline GIS shapefiles to include those 911 addresses that were assigned coordinates, as described in the previous task.
- Incorporate the updated address point and road centerline GIS shapefiles into the County's CAD system.
- Document the procedure to use for incorporating future updates to these GIS shapefiles into the CAD system.
- Develop recommendations for calculating coordinates for newly assigned 911 addresses, without requiring the use of GPS in the field.
- Determine the feasibility of adding additional GIS data layers to the CAD system.

Scope of Work:

Delaware County has submitted a grant application through the Federal SHSP program to facilitate the completion of this project.

The Delaware County Department of Emergency Services intends to contract with a qualified vendor to provide the following services to update County's InterAct Computer Aided Dispatch System:

- Assign geographic coordinates (x,y) to the collection of approximately 500 911 addresses that were not established using GPS. These addresses are recorded on hardcopy forms, but do not have x,y coordinates. Various techniques will be needed to calculate coordinates including: geocoding using the County's road centerline and address point shapefiles; dynamic segmentation; and interactive placement using digital tax parcel boundaries, aerial photography, and other references.
- Update the address point and road centerline GIS shapefiles to include those 911 addresses that were assigned coordinates, as described in the previous task.
- Incorporate the updated address point and road centerline GIS shapefiles into the County's CAD system.
- Document the procedure to use for incorporating future updates to these GIS shapefiles into the CAD system.
- Develop recommendations for calculating coordinates for newly assigned 911 addresses, without requiring the use of GPS in the field.
- Determine the feasibility of adding additional GIS data layers to the CAD system.

The County estimates that up to 6 person weeks of effort, along with 3-4 onsite visits, will be required to thoroughly complete all of the tasks listed above. Therefore, it is recommended that the vendor use these figures when providing a quotation.

Evaluation Criteria: Each respondent will be evaluated based on the following criteria listed below. Firms submitting proposals shall include statements addressing the following:

1. Overall qualifications and performance of the firm
2. Credentials of staff
3. Prior performance on these or similar projects
4. Information regarding the firm's ability to accomplish the project on time
5. Cost estimate
6. Commitment to the schedule

Selection Process: A Committee consisting of the Emergency Management Office, Planning Department and 911 Coordinator will complete the selection of the qualified consultant.

Materials Submitted: Three paper copies and a digital copy if available of the proposal along with a non-binding cost estimate must be received no later than 5:00 p.m. on August 11th , 2011 They must be addressed and submitted to:

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