

PSAP Grant Program Grant Ranker

View Application--105--Parcel GIS Data Development

Grant Period: 2010

Tier: Broaden or increase the delivery of wireless E-911 equipment or services beyond established minimum functional standards (**BROADEN**)

Grant Program: Enhancement **Grant Type:** Individual PSAP

Priority: GIS: low priority (refer to GIS-related Grant Request Prioritization Matrix for a description of GIS projects that would have a low funding priority) (**GIS LOW PRIORITY**)

Primary PSAP Applicants: Caroline County

Jurisdictions Served: Bowling Green, Town of

Project Director:

Mike Hall
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Project Description:

Total Project Cost \$117,800.00

Amount Requested: \$52,800.00

Statement of Need:

Caroline County has begun the first phase of GIS development, including the creation of a GIS strategic plan that will identify long term mapping needs for the County. The County is just starting to develop its GIS database and is a late adopter of the mapping technology. Funding for the County's overall effort is limited and a PSAP grant will provide the County with resources to improve the overall quality of the parcel data while addressing the PSAP data requirements of its emergency services staff. Development of this improved parcel data is a critical part of the County's overall enterprise GIS data development efforts.

Comprehensive Project Description:

In 2004, Caroline County conducted an IT Needs Assessment and prioritized the development of a parcel GIS database as part of its long term IT goals. The County has obtained funding for a number of GIS-related tasks and intends to use this PSAP project grant to expand the use of parcel ownership information across a variety of County systems, including its dispatch system. This grant requests partial funding for the development of the County's critical parcel database. Specifically, this grant would fund an upgrade to the County's parcel conversion efforts from a purely tax map based approach to a hybrid approach, which would include a mix of parcels converted using COGO survey techniques and the remainder of the parcels converted using a traditional best fit approach. This project would convert 12,000 County parcels using

major subdivision plats using COGO, in order to help improve the overall accuracy of neighboring parcel boundaries. Data developed using this technique would be used to increase the accuracy of the entire County dataset and would also be helpful for developing highly accurate boundaries in more densely populated areas of the County.

How will the equipment purchased will support future technologies for PSAP readiness?:

Data developed under the project will support PSAP readiness by allowing the County to accurately locate highly accurate property boundaries throughout the locality. This data is critical for PSAP readiness, as it provides first responders with the key ownership information they need during a crisis.

Budget and Budget Narrative:

The total planned expenditures for the task items identified in the project are as follows: COGO 12,000
Parcels @ \$4.40 per parcel = \$52,800

Evaluation:

As part of its Enterprise GIS efforts, the County is developing a GIS Strategic Plan. One of the goals of the plan is to measure the effectiveness of the County's first phase of GIS development, which includes the development of the parcel data layer for the County. The most important criteria for the successful development of this data is the accuracy of the end product. The County can use a number of quantitative techniques to measure the accuracy of the data. In particular, the County can compare the data with known points on the ground, source documents providing survey information about particular ownership boundaries, and the ability for emergency services personnel to use the data in an emergency.

Attachments