

PSAP Grant Program Grant Ranker

View Application--65--Dickenson County E-911 Addressing and Mapping Upgrade

Grant Period: 2010

Tier: Replacement of non-vendor supported wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**NON-VENDOR SUPPORTED**)

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

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

Primary PSAP Applicants: Dickenson County

Jurisdictions Served: Clinchco, Town of
Clintwood, Town of
Dickenson, County of
Haysi, Town of

Project Director:

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Project Description:

Total Project Cost \$160,530.00

Amount Requested: \$150,000.00

Statement of Need:

Dickenson County is located in the rural mountains of Southwest Virginia. Dickenson County is economically at a disadvantage on so many levels to include employment opportunities. Dickenson County has in place a process to become Enhanced 911; however, the process has seen many delays. The Dickenson County E-911 Mapping Office is solely responsible for updating and maintaining the county's 911 addresses as well as all other datasets that provide assistance to the Dickenson County PSAP. Dickenson County E-911 is currently undergoing an Address Verification that will improve the addressing data currently in place. Dickenson County E-911 Mapping Office is currently using outdated hardware (GPS Unit and laptop) and software to address and maintain what data layers are in use. With the assistance of new upgraded hardware and software the Dickenson County E-911 Mapping Office would be able to update information easily to remote computers, increase the maintenance capabilities and enhance the production of data layers to the Dickenson County PSAP. The upgraded hardware and software will allow Dickenson County to perform the day-to-day functions necessary to maintain the 911 addresses and mapping data layers significant to the PSAP.

Comprehensive Project Description:

The goal for Dickenson County in requesting funds is the continuance of creating map layers, maintenance

and enhancement of its mapping to aide the Dickenson County PSAP. Dickenson County E-911 is currently undergoing Address Verification through its vendor, GeoComm. The project is in its final stages and will bring Dickenson County mapping to a current working capacity by delivering the data via geodatabases. The following tasks have been completed or are currently in process: AMS and Verizon have been sent the necessary data from Dickenson County; addressing points and roads database exist and are being utilized in the PSAP; and addressing standard operating procedures in place for Dickenson County. Once the datasets are delivered to Dickenson County in geodatabase files, the GIS personnel will need the hardware and software requested to update and maintain the files. With the current software that Dickenson County is working with, geodatabase files are not applicable to maintain. The software would enable Dickenson County to utilize the tools provided to update and maintain the necessary data to provide the PSAP with data necessary to complete emergency response dispatching. Dickenson County is also requesting assistance in the purchase of mapping software and workstations to utilize this information with our shared services.

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

The equipment purchased will allow GIS personnel to meet current and future expectations of the 911 office by providing means to collect map data to aide the PSAP in emergency response. The software will allow GIS personnel to continue updating and maintaining the addressing data through a more efficient and accurate manner and provide the necessary information to the PSAP for accuracy in their day-to-day procedures.

Budget and Budget Narrative:

The requested funding will be used to purchase hardware and software to maintain and update mapping data and allow the Dickenson County PSAP to accurately locate emergencies within our borders. Funding will support equipment costs for a laptop computer to be used in the field for maintaining 911 addressing; a mapping grade GPS Unit to maintain accuracy of address points and roads; a GIS workstation to include desktop computer with monitors to maintain and continue the 911 addressing between the GIS personnel and the Dickenson County PSAP; software to maintain GIS data that gives the GIS personnel access to address assignment, address range creation, wireless cell sector maintenance, atlas generation, MSAG and CAD geofile management, and also allows the GIS user to perform quality assurance and quality control checks. Dickenson County will also be purchasing a mapping server, four workstations, monitors and the necessary software for dispatch so that we will be able to utilize the information provided by our GIS office in locating emergencies received through wireless cell phone calls. Equipment costs include laptop configured to support the needs of the mapping software in locating, addressing in the field and storage needed to hold the necessary mapping data to be purchased at \$3,516.22; GeoLynx DMS Mobile GIS Data Manager (subfoot accuracy GeoXH) to be purchased at \$8000.00 to include the laptop extension ;GIS workstation including tower computer (HP SB XW4600 E7200 160GB) with monitors (PLANAR PX2411W 24" HA WIDE DVI) to be purchased at \$3493.18, mapping server (HP XW8600 E5440 250GB \$GB XPP DVR), four workstations (HP SB XW4600 E7200 250GB), 5 monitors (PLANAR PX2411W 24" HA WIDE DVI) total for dispatch equipment to be purchased at \$18,297.70. Total for all hardware purchases \$33,307.10. Dickenson County will be purchasing GeoLynx DMS GIS Data Manager to be purchased at \$6,995.00; GeoLynx DMS MSAG Manager to be purchased at \$2,500.00; GPS Analyst for ArcGIS Desktop to be purchased at \$1,995.00; training on the software to be purchased at \$2,460.00, GIS Setup Services at a cost of \$1,087.85, GeoLynx 9-1-1 Dispatch GIS at a cost of \$37,349.84, GeoLynx 9-1-1 Admin at a cost of \$15,642.60, GeoLynx Stats Dispatch Analyst Extension Software at a cost of \$18,602.20, GeoLynx Sync Interoperable Replication and Propagation \$13,126.50, and GeoLynx DMS E9-1-1 GIS Data Management \$27,462.65 for a total of \$127,261.64 for all software. The funds requested total \$150,000.00 for all equipment and software. County will provide \$10,528.64 so the total cost of this project is \$160,528.64.

Evaluation:

The purchasing and installation of the hardware and software will be overseen by the Dickenson County E-911 Director and GIS personnel. Under a combined effort from the Dickenson County E-911 Director, GIS personnel and the vendor, proper performance and maintenance will be checked and conducted.

Attachments