

## PSAP Grant Program Grant Ranker

# View Application--82--Martinsville-Henry County 911 GIS/ArcEditor Upgrade, GIS Server & Display Monitor

**Grant Period:** 2010

**Tier:** Strengthen current equipment and service delivery capability by upgrading existing wireless E-911 related equipment or services (**STRENGTHEN**)

**Grant Program:** Continuity and Consolidation **Grant Type:** Regional Initiative

**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:** Martinsville - Henry County 9-1-1

**Jurisdictions Served:** Henry, County of  
Martinsville, City of

### **Project Director:**

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### **Project Description:**

**Total Project Cost** \$25,200.00

**Amount Requested:** \$25,200.00

### **Statement of Need:**

The Martinsville-Henry County 911 Center utilizes the X-Trakker mapping solution by MicroDATA. To this date, our mapping department has used ESRI ArcEditor version 9.2 to build the associated databases, layers, etc. for our mapping solution. In July 2008, MicroDATA offered a new release of their X-Trakker solution that contains new features which can only be used by customers using the ArcEditor version 9.3 platform. Since we use the 9.2 version, we have not been able to take advantage of these new features. We feel by upgrading to the ESRI ArcEditor 9.3 version, our PSAP, serving both the City of Martinsville and the County of Henry, will be able to explore the latest available in mapping technology. Our PSAP also utilizes two 32" display monitors to display wireless and wireline mapping data as well as PSAP call data. These monitors have been in place for over 4 years under 24x7 use and are showing significant loss in video clarity. These monitors are not under any maintenance or support and the warranty has long since expired. Our PSAP also is requesting funds to purchase a color printer to be used for printing quality images from our mapping solution for 911 operations. We are also requesting funds to replace to computers/servers that are 3+ years old that store GIS and mapping related databases used by our PSAP

for daily operations. The current computers/servers performing these tasks are aged and are in need of replacement.

### **Comprehensive Project Description:**

The Martinsville-Henry County 911 Center is looking to upgrade our current software, ESRI ArcEditor 9.2 to the latest version ESRI ArcEditor 9.3. This new updated version will allow our PSAP to take advantage of the latest ESRI has to offer in the ArcEditor solution. MicroDATA, who provides the mapping solution in our PSAP, has already released updates for our X-Trakker mapping solution using the ArcEditor 9.3 platform. We have not been able to utilize these updates from MicroData since we are currently running ArcEditor version 9.2. If this grant is awarded, our PSAP will immediately purchase the 9.3 upgrade from ESRI and install it on our current computers running the 9.2 version of ArcEditor. Our PSAP will also replace two 32" display monitors, currently in use within our PSAP, to display wireless and wireline mapping data as well as 911 call data. The current monitors in use were purchased over 4 years ago and are in use 24x7. They are showing significant loss in clarity and are becoming distorted. If awarded, our PSAP will immediately purchase two 32" display monitors to replace these two current aging monitors. Our PSAP will also purchase a color printer that will be used within the PSAP for printing quality mapping images for daily operations. These images could include wireless 911 mapping images as well as others to be used for investigations, research, troubleshooting, etc. Our PSAP is also looking to replace two GIS computers/servers that are 3+ years old. These computers/servers house the PSAP's GIS related databases as well as the aerial photography serving both jurisdictions.

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

ESRI ArcEditor version 9.3 is the latest ESRI offers in the ArcEditor platform. The 9.2 version, which we are currently running, has been in place for several years and we feel confident the 9.3 version will provide the solution needed by our PSAP for the foreseeable future. This solution will permit our PSAP to utilize the latest features and technology now offered by our mapping vendor MicroData. The two proposed 32" display monitors will be used for years to come to display mapping data, call data, as well as future video technology for use within our PSAP. The color printer will be used to support daily and future operations within the PSAP, to include future technologies. The two GIS related computers/servers will be used to provide GIS data and support to the PSAP's MicroDATA mapping solution.

### **Budget and Budget Narrative:**

Itemized Cost Schedule \$6,300.00 - Update to ESRI ArcEditor 9.3 with Extensions Single Use Primary to permit our PSAP to upgrade from version 9.2. \$6,000.00 - Replace two (2) 32" mapping display monitors within the PSAP. \$900.00 - Wiring, Installation, etc. \$4,000.00 - HP Color LaserJet Printer \$8,000.00 - Two (2) GIS Servers Total Requested - \$25,200.00

### **Evaluation:**

This project will be evaluated by PSAP management. The ArcEditor 9.3 software upgrade will be measured for success by the ability to implement the new technology in mapping currently being offered by our mapping vendor MicroData. The 32" display monitors will allow our PSAP to continue to provide a quality level of video display for use within our PSAP for mapping wireless and wireline mapping data as well as call data. The printer will enhance our operations by providing us with a tool to provide quality images from our mapping solution. The two servers will allow the PSAP to replace two 3+ year old servers which house the PSAP's GIS related databases.

### **Attachments**