

FY12

PSAP GRANT PROGRAM APPLICATION



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HOW TO APPLY/DEADLINE

The grant application will be available and accessible from VITA's Integrated Services Program's website (<http://www.vita.virginia.gov/isp/>). Upon completion of the application, it is to be submitted to the PSAP Grant Manager, Lisa Nicholson, at lisa.nicholson@vita.virginia.gov. Any supporting documentation must also be submitted along with the application.

After submission, the PSAP Grant Manager will assign a Grant ID and send an e-mail notification to the project contact e-mail address listed on the application received.

All funding requests must be submitted using the grant application. In addition to the grant application reference manual, technical assistance is available from VITA's Public Safety Communications (PSC) staff throughout the grant process. The FY12 PSAP Grant Application Cycle deadline is December 22, 2010 at 11:59 pm.



FY12 PSAP GRANT APPLICATION

PROJECT TITLE

Caroline County E911 GIS Support

GRANT APPLICANT PROFILE/PROJECT CONTACT

PSAP/HOST PSAP NAME: Caroline County

CONTACT TITLE: Major

CONTACT FIRST NAME: Scott

CONTACT LAST NAME: Moser

ADDRESS 1: P O Box 39

ADDRESS 2:

CITY: Bowling Green, VA

ZIP CODE: 22427

CONTACT EMAIL: smoser@co.caroline.va.us

CONTACT PHONE NUMBER: 804-633-1126

CONTACT MOBILE NUMBER: 804-994-4821

CONTACT FAX NUMBER: 804-633-1124

REGIONAL COORDINATOR: Click to select a Regional Coordinator from the drop down list

HOST PSAP AND PARTICIPATING PSAPS/LOCALITIES

_____	_____
_____	_____
_____	_____
_____	_____

GRANT TYPE

Individual PSAP

Consolidation

Regional Initiative

Secondary Consolidation



GRANT PROGRAM TYPE

- Wireless E-911 PSAP Education Program
 Continuity and Consolidation Enhancement

TIER

- Out of Service Non-Vendor Supported
 Technically Outdated Strengthen
 Not Applicable

PROJECT FOCUS [Click to select a project focus from the drop down list](#)

If "Other" selected, please specify: [Click here to enter text](#)

FINANCIAL DATA

Amount Requested: \$117,600.00
 Total Project Cost: \$ 147,000.00

STATEMENT OF NEED

Caroline County needs to continue to update and maintain a sustainable GIS database to support its wireless 911 and 911 address locating and map display. Currently the county has an out of date GIS addressing base and lacks both the hardware and software to maintain the data. The road centerline data also needs to be verified and corrected as necessary. The County does not currently have the budget funds to complete this project without grant funding. The current mapping database is 6 years old and is no longer vendor supported. At this time the County lacks the necessary software to maintain the critical PSAP data.



This statement should reference the relationship to the current funding priorities established by the Grant Committee and include evidence of any financial need. Additional items to discuss that referenced need should include: impact on operational services; consequences of not receiving funding; inclusion of project in a long-term or a strategic plan; and local sustainability:

This project addresses funding priorities 4 and 9

This grant will allow Caroline County use and maintenance of an accurate and GIS system to support PSAP operations. A Primary Mapping System Server/workstation and software will be purchased/installed for data management. This GIS system will have the ability to display a caller's location enabling the communications center to quickly dispatch proper personnel. A routing system, based upon field verification of 911 addresses and road centerline data, will be developed by the County's GIS contractor which allows public safety personnel and apparatus to be directed to an incident in the most expeditious manner. This system will contain layers of fire hydrants, water sources and other identified hazards.

Failure to receive this grant may result in delay of services to citizens of Caroline County. There is incorrect data in our CAD mapping that needs to be fixed, which is paramount to our operations. These improvements are identified in the County's GIS Strategic Plan, and completion of this project will ensure that our long range planning will become reality by allowing the PSAP to provide the most efficient and accurate addressing and mapping services to our citizens when time can be the difference in life or death.

Describe how the grant will be maintained and supported in the future, if applicable.

County staff will be trained by our consultant to perform certain routine data maintenance, while consultant will continue to perform detailed maintenance. Consultant will maintain data layers for the PSAP, while ESRI software will be updated/maintained through service contract. Support will be a combination of in-house and consultant.

COMPREHENSIVE PROJECT DESCRIPTION

**FOR WIRELESS E-911 PSAP EDUCATION PROGRAM GRANT REQUESTS:**

Describe how the education/training is 9-1-1/public safety communications specific and how this will benefit E-911 and the employee(s) and/or PSAP.

N/A

FOR CONTINUITY AND CONSOLIDATION OR ENHANCEMENT PROJECTS:

Provide a thorough, concise, and complete description of the project, including an outline of the goals and objectives, implementation strategy, and a work plan.

The project is broken into three areas: 1) 911 Addressing/mapping workstation and ESRI software, and maintenance thereof, 2) 911 address/road centerline data field verification and routing package, and 3) E-911 address maintenance by County's GIS consultant.

The goal is to improve the overall readiness of the Caroline County PSAP by improving the accuracy of the 911 data and being able to update and provide data as quickly as possible.

(ATTACH IMPLEMENTATION STRATEGY/ WORKPLAN)

FOR CONTINUITY AND CONSOLIDATION OR ENHANCEMENT PROJECTS:

PROJECT TIMELINE – Select each applicable phase of the project and indicate the estimated completion date. Sample activities for each phase can be found in the PSAP Grant Program Guidelines as well as on the addendum to this form.



PROJECT PHASE	ESTIMATED COMPLETION DATE
<input type="checkbox"/> INITIATION (Project approved by appropriate stakeholders)	Completed
<input type="checkbox"/> DESIGN/PLANNING (Project, system, or solution requirements are developed)	Completed
<input type="checkbox"/> ACQUISITION (Selected system or solution is procured)	07 / 13 / 11
<input type="checkbox"/> IMPLEMENTATION (Selected system or solution is configured and installed)	08 / 01 / 11
<input type="checkbox"/> TESTING/COMPLETION (Selected system or solution is tested and put in production)	09 / 01 / 11

Identify the longevity or sustainability of the project.

While the project timeline is five years, the project will be sustainable indefinitely, as the Workstation and software will allow trained staff to maintain all applicable 911 data into the future. Once the 911 Workstation/server is purchased, the County IT department will maintain and replace it on a regular replacement schedule.

The field verification of 911 addresses and the existing road centerline data will ensure all information is up to date, and can be carried forward in the future. This improved data is the basis of the routing package which can route public safety personnel to an incident expeditiously.



Describe how this project supports the Virginia Statewide E-911 Strategic Comprehensive Plan.

This purchase will support future technologies for all PSAP technologies and responsibilities. The 911 addressing workstation allows the ongoing maintenance of addresses and mapping, as well as the utilization of new imagery provided by VGIN.

The road centerline and address verification will support PSAP operations through the correction of inaccurate data and maps, which is paramount to operations.

REGIONAL INITIATIVE (if applicable)

The relationship of the initiative to the participating PSAPs:

Click here to enter text

Intended collaborative efforts:

Click here to enter text



Resource sharing:

Click here to enter text

How does the initiative impacts the operational or strategic plans of the participating agencies:

Click here to enter text

CONSOLIDATION (Primary or Secondary) - (if applicable)

How would a consolidation take place and provide improved service:

Click here to enter text



How should it be organized and staffed:

Click here to enter text

What services should it perform:

Click here to enter text

How should policies be made and changed:

Click here to enter text

How should it be funded:

Click here to enter text



What communication changes or improvements should be made in order to better support operations:

Click here to enter text

BUDGET AND BUDGET NARRATIVE

List the planned expenditures to be made with grant funds. (NOTE: In lieu of a line item breakdown, an itemized cost schedule or detailed vendor prepared quote may be submitted as an attachment.) Briefly explain the reason for each requested budget item and provide the basis for its cost:

Quote from Worldview Solutions, which is the County's GIS contractor is listed below.

Road Centerline and Site Address Field Verification and Network Development – GPS field verification of all County site address and road centerline locations. Includes development by WorldView of a routable road network based on the road centerline data to allow efficient dispatching of public safety apparatus.

Cost: \$33,000.00

ESRI E911 Database Software / Hardware / Maintenance – Acquisition, installation, configuration and maintenance of ESRI's ArcGIS Server Workgroup Standard software on a Dell Server. This will provide the County with the necessary hardware and software to maintain the critical PSAP data over the five year period.

Cost: \$32,500.00

E911 GIS Data Maintenance – Five years of maintenance of all County E911 related GIS data layers, including parcels, site addresses, road centerlines, utilities and other planning data layers. Data layer updates will be delivered to the County and made available on its web site once per quarter. WorldView staff will travel on-site once each quarter to deliver updated Maps and E911 data for use in the County's CAD software.

Cost: \$53,500.00

E911 GIS Web Site Maintenance – Five years of maintenance and support for the County GIS web site, to include hardware, software, bandwidth, and quarterly data updates.

Cost: \$28,000.00

Total cost: \$147,000.00

EVALUATION



How will the project be evaluated and measured for achievement and success:

The projects success will be measured by the amount of improvement in location of callers and overall services to all emergency services resulting from updated GIS system. Information from users of the system will be obtained to determine effectiveness of equipment purchased with this project. The completion of this project will ensure that our long range planning will become reality by allowing the PSAP to provide the most efficient and accurate addressing and mapping services to our citizens when time can be the difference in life or death.



FINANCIAL AND PROGRAMMATIC REPORT

PROJECT PHASES

SAMPLE ACTIVITIES

PHASE

SAMPLE ACTIVITIES

INITIATION

(Project approved by appropriate stakeholders)

- Project concept is documented
- Local Board or governing authority approval or endorsement is received
- PSAP grant application is filed
- Local budgets are obtained
- Appropriated grant funds are approved
- Budgetary estimates are obtained

DESIGN/PLANNING

(Project, system, or solution requirements are developed)

- Requirements are documented
- Components to be purchased are identified
- General design is documented

ACQUISITION

(Selected system or solution is procured)

- RFP (or other bid related processes) are drafted
- Proposals are evaluated
- Contract is signed
- Purchase orders are issued
- Quotes are obtained/grant funds draw down

IMPLEMENTATION

(Selected system or solution is configured and installed)

- Purchased components are delivered and installed
- Training is performed

TESTING/COMPLETION

(Selected system or solution is tested and put in production)

- Performance of system/solution is validated
- System/solution goes "live"

QUOTE

December 14, 2010

Michael A. Finchum
Director of Planning & Community Development
233 West Broaddus Avenue
Bowling Green, Virginia 22427

Dear Mr. Finchum:

The following quote provides Caroline County with five years of E911 related software, hardware, data development and maintenance services in support of extending the County's original PSAP grant:

- **Road Centerline and Site Address Field Verification and Network Development** – GPS field verification of all County site address and road centerline locations. Includes development by WorldView of a routable road network based on the road centerline data.
Cost: \$33,000.00
- **Esri E911 Database Software / Hardware / Maintenance** – Acquisition, installation, configuration and maintenance of Esri's ArcGIS Server Workgroup Standard software on a Dell Server. This will provide the County with the necessary software to maintain the critical PSAP data over the five year period.
Cost: \$32,500.00
- **E911 GIS Data Maintenance** – Five years of maintenance of all County E911 related GIS data layers, including parcels, zoning, site addresses, road centerlines, utilities and other planning data layers. Data layer updates will be delivered to the County and made available on its web site once per quarter. WorldView staff will travel on-site once each quarter to deliver updated Tax Maps, Zoning Maps and E911 data for use in the County's CAD software.
Cost: \$53,500.00
- **E911 GIS Web Site Maintenance** – Five years of maintenance and support for the County GIS web site, to include hardware, software, bandwidth, and quarterly data updates.
Cost: \$28,000.00

The total cost of all services is **\$147,000.00** and the cost of services in this quote are fixed and include all travel, time and materials. Terms and conditions within the County's existing GIS services contract with WorldView apply. Please contact me at any time to discuss any questions related to this quote or if I can provide you with any additional information.

Regards,



Jamie Christensen
WorldView Solutions Inc