

PSAP Grant Program Grant Ranker

View Application--61--Mathews County PSAP

Grant Period: 2011

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: Continuity and Consolidation **Grant Type:** Individual PSAP

Priority: CPE (CPE)

Primary PSAP Applicants: Mathews County

Jurisdictions Served: Mathews, County of

Project Director:

Danny Howlett
Sheriff

PO Box 190

804-725-7177 (phone)

804-725-7677 (fax)

sheriff@co.mathews.va.us

Project Description:

Total Project Cost \$303,863.00

Amount Requested: \$150,000.00

Statement of Need:

The Mathews County PSAP went live with E-911 in July 2005. At that time all equipment was purchased new with a combination of grant funds through the Wireless Services Board and a 20% local match. Maintenance and support were included for a period of five (5) years. In July 2010, all equipment in the PSAP will be coming out of warranty with some equipment no longer vendor supported. Mathews County took a proactive step five years ago, looked to the future and set aside some local funds to help address this issue. However, due to the budget crises of these past few years the available funds will not meet the financial need, therefore, we are seeking aid once again from the Wireless Services Board. We have set funding priorities with the CPE equipment being at the top of that list. We have been notified by our Verizon representative that our CPE equipment (Plant Vesta) will no longer be supported nor manufactured after August 2010. It will be difficult at best to find replacement parts in the future should this system fail. It is of utmost importance that this system be replaced to ensure continued reliable delivery of E-911 services to the citizens of Mathews County. Without financial assistance, it is highly probable that we will not be able to replace the CPE equipment and will have to reassess our priorities to match available funding. Should this system fail and we are unable to replace it with updated equipment, all E-911 calls would have to be transferred to ten (10) digit phone numbers. We are looking at a strategic plan that will help us to stagger our equipment replacement on an annual basis in an effort to avoid having to replace the bulk of the equipment every five (5) years. This will make our future goals much more attainable from a financial standpoint. All equipment replaced will be done so with the most up-to-date equipment available. We will continue to make it a priority to purchase equipment with the technological ability to take us well into the

future. The approximate total project cost this fiscal year is \$303,863. This will allow us to replace the CPE equipment (2 positions and partial call-taker position), voice recorder, software support for an additional year and hardware for three CAD stations including new servers.

Comprehensive Project Description:

Our goal this year will be to replace as much equipment as possible that will be coming out of warranty or will no longer be vendor supported. We have a set list of priorities which include replacing the CPE equipment, voice recorder, paying for an additional year of software support and replacing CAD stations including new servers, should funding be sufficient. If Mathews County is the recipient of a grant award from the Wireless Services Board, we will upon receipt of those funds advertise a RFP in order to hire a professional firm to assist us with a technical RFP or RFB to replace the equipment. Our plan would be to finalize the entire project including all advertising, vendor selection, purchasing, testing and training, within one year of being awarded the grant. Time is of the essence and we will work to finish this project as soon as possible

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

When we first purchased the equipment for the PSAP back in 2005, we made it our mission and very clear to all vendors that we would not settle for anything less than the most up to date equipment/technology available at the time. We continue to believe in this.

Budget and Budget Narrative:

CPE equipment (2 positions plus a Call Taker position): \$180,000 Voice Recorder: \$50,000 One Year Software Support: \$20,888 (quote attached) Interface from Southern Software: No changes to the current interface will be necessary per Southern Software Hardware Upgrade: \$52,975

Evaluation:

As part of our total project we anticipate spending at least two weeks testing the installed equipment and another two weeks training end users on the new equipment. The project will be deemed a success when end users can demonstrate ability to use the new equipment and also because the most important equipment in the PSAP will once again be under warranty.

Attachments

PSAP Grant Program Grant Ranker

View Application--62--Wise Co Updated 2010 Map Books

Grant Period: 2011

Tier: Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)

Grant Program: Continuity and Consolidation **Grant Type:** Individual PSAP

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

Primary PSAP Applicants: Wise County

Jurisdictions Served: Appalachia, Town of
Big Stone Gap, Town of
Coeburn, Town of
Wise, County of
Pound, Town of
St. Paul, Town of
Wise, Town of

Project Director:

Jessica Swinney
Geographic Information Officer
PO Box 570
276-328-7110 (phone)
276-328-9780 (fax)
gio@wisecounty.org

Project Description:

Total Project Cost \$4,310.00

Amount Requested: \$4,310.00

Statement of Need:

Wise County is located in the rural mountainous region of far Southwest Virginia. Wise County is an economically challenged county and ranks near the bottom of all Virginia Counties for per capita income and household income. The current per capita income in Wise County is (\$17,322) which stands at 54 percent of the state level (\$32,224) and 63 percent of the national level (\$27,466), while median household income stands at 54 and 63 percent respectively. Wise County is economically distressed and funding for this project is very small. Not receiving funding would delay the updating and printing of the county road maps for an unforeseen number of years.

Comprehensive Project Description:

The Wise County PSAP utilizes the GIS mapping daily. Verified 911 calls are mapped on the dispatcher's consoles when they come in. The data is geocoded using the road centerline dataset as well as the structure point addresses. The emergency responders rely heavily on this mapping technology to locate incidents. Accurate data is imperative for emergency responders. The current Wise County Road map is out of date and needs to be updated. There have been numerous changes to the Road map over the past few

years. Updating the County Road map will allow emergency responders to have the most current and accurate road centerline data. The goal of this effort is the continued creation, maintenance, and enhancement of an integrated public safety mapping system for the PSAP and to analyze the performance of the system in supporting operations and planning. Wise County has the following objectives:

- Provide dispatchers and emergency responders with the most current and accurate mapping data in order to assist with emergency response
- Continue to combine the valuable GIS resources from Wise County with the PSAP as well as Emergency Response Organizations and Regional PSAPs

Implementation plan The following tasks have been completed or are currently in the process:

- A 911 structure point address and road centerline database exists and is being utilized in the PSAP (Spring 2008)
- Install addressing and MSAG tools for the in house maintenance of the data as the county becomes E-911 verified (Spring 2010)
- Creation of Standard Operating Procedures for quality control of the PSAP mapping data and an automated synchronization of the MSAG, ALI, and Map databases (Spring 2010)
- Update of PSAP mapping software and hardware (Fall 2009)
- Upgrade of existing network equipment to current industry standards (Fall 2010)
- Upgrade and printing of County Road Map (Fall 2010)
- Distribution of County Road Maps to Emergency Responders (Winter 2010)

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

Wise County is seeking to utilize hosted CAD and CPE equipment with Dickenson County, Lee County, and the City of Norton. Having accurate and current PSAP mapping in place will ease the transition of consolidation or combining the datasets in the future. Also having current Standard Operating Procedures in place will insure that regional sharing of mapping data and resources can continue into the future.

Budget and Budget Narrative:

Wise County respectfully submits the following narrative description of the proposed budget in its application for Wireless Service Board FY11 funding. This grant funding will be used to provide continued services of the GIS mapping capability and data that is already being used on a daily basis in the Wise County 911 Central Dispatch PSAP. Funding supports updating and printing costs of the existing County Road Map. Wise County is coming to the end of their Wireline Project and expects to be 98% verified in FY10. At that time Wise County will assume the responsibility of maintaining the MSAG and total in-house maintenance of the 911 addressing. Currently Wise County relies on Timmons Group for MSAG, road centerline, and address maintenance. The current Wise County Road Map is out of date and needs to be updated. There have been numerous changes to the County Road Map over the past two years. Updating the County Road Map will allow emergency responders to have the most current and accurate road map. The grant request totals \$4310.00

Evaluation:

Objective: Provide dispatchers and emergency responders with the most current and accurate mapping data in order to assist with emergency response
 Measure: Meet with Fire and Rescue Associations to insure the responders have updated maps and data for emergency response
 Objective: Continue to combine the valuable GIS resources from Wise County with the PSAP as well as Emergency Response Organizations and Regional PSAPs
 Measure: Meeting with Emergency Response Organizations and communicating with PSAP and GIS offices on a regular basis

Attachments

PSAP Grant Program Grant Ranker

View Application--63--Fredericksburg PSAP CPE Improvements I

Grant Period: 2011

Tier: Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)

Grant Program: Continuity and Consolidation **Grant Type:** Individual PSAP

Priority: CPE (CPE)

Primary PSAP Applicants: Fredericksburg Police Communications

Jurisdictions Served: Fredericksburg, City of

Project Director:

Waverly Musselman

Captain

2200 Cowan Blvd

540-654-5700 (phone)

540-372-1108 (fax)

wmusselman@pd.fredericksburgva.gov

Project Description:

Total Project Cost \$32,300.00

Amount Requested: \$32,300.00

Statement of Need:

Located equidistant between the City of Richmond and the Nation's Capital, the Fredericksburg 911 Emergency Operations Center serves as the Public Safety Answering Point for its resident population of 22,000 and for the tens of thousands of visitors who daily enter the city to work, shop, and enjoy the tourist and entertainment attractions of this regional focal point. Fredericksburg is the home to a 412-bed hospital center, a university with approximately 4000 students, and a massive retail complex in addition to the many sites of historical interest that attract non-residents into the city's boundaries. Despite its relatively small population, during the last twelve months the Fredericksburg PSAP fielded roughly 18,000 emergency calls through its 911 system, half of which were via wireless 911. In July 2007, the Fredericksburg PSAP moved from cramped and obsolete quarters in the historic district to a new 35,000 square foot facility located in the center of the jurisdiction. Notably, much of the equipment that is essential to the daily operations of the PSAP was moved from the old facility to its new home in the state-of-the-art headquarters of the Police Department. That equipment is now technically outdated and in grave need of replacement, especially since the operation of the PSAP requires non-stop use and guaranteed functionality of all critical systems. Mirroring the economic crises in the rest of the country, the City of Fredericksburg local government has been forced to implement severe financial restrictions against all of its public services, including hiring freezes and position consolidations, cutbacks in training and equipment budgets, and a city-wide salary reduction for all public employees. While the most important element of any PSAP is

undoubtedly the highly trained and dedicated staff members who provide the essential services to the public, it is vital that those professional personnel are supported by the advanced tools and equipment that are critical to the performance of their jobs. When a person calls 911 in a life-threatening emergency, there is simply no excuse for failure to provide the needed service, especially due to malfunction of fundamental equipment. The timely replacement of obsolete equipment that supports the operation of the PSAP is a high priority to Fredericksburg and to the E-911 Services Board. The planned replacement of E-911 equipment as requested in this grant is contained within the City of Fredericksburg's comprehensive strategy that administers regularly scheduled maintenance and updates of all core systems and apparatus necessary to support the functions of public service. The funding requested from the E-911 Services Board represents a very small portion of the moneys needed to finance the Fredericksburg PSAP, which is supported by the Fredericksburg Police Department through an annual operating budget of over \$930,000 for the 911 Emergency Operations Center.

Comprehensive Project Description:

Project Overview The Fredericksburg PSAP consists of six E-911 workstations that are operated by a rotating shift of twelve full-time and eight part-time Communications Officers (dispatchers). The facility is housed in the headquarters of the Fredericksburg Police Department and is staffed at a minimum of three dispatchers on duty twenty-four hours a day. The dispatchers are the first point of contact for individuals who require emergency assistance from Police, Fire, and Rescue first responders. The PSAP also has interoperability capability and long-standing mutual aid agreements with surrounding jurisdictions including the Virginia State Police and the University of Mary Washington Police Department. All dispatchers in the Fredericksburg PSAP are cross-trained to work as Call-taker, Police Dispatcher, and Fire/Rescue Dispatcher, and they rotate through these positions throughout their work week. The dispatchers are also trained in Emergency Medical Dispatch procedures. At their assigned position, each dispatcher is responsible for monitoring multiple radio and phone lines, both emergency and administrative.

Goals and Objectives The scope of the Fredericksburg PSAP Improvements Project includes the purchase and installation of the following critical equipment components that are technically outdated and obsolete: Touch-screen 22" Vesta monitors to support six (6) E-911 workstations The monitors will support the following functions: 1. Ten incoming 911 lines 2. Seven designated emergency lines that are also available for 911 overflow 3. TTY capability 4. Emergency single button transfer lines to jurisdictions with which we share mutual aid agreements 5. ALL display screens which show the callers address, phone number, and/or location by latitude and longitude 6. 911 call data software 7. Instant recall recorder for incoming and outgoing calls 8. Alarm to alert user to malfunction and outages on the system Touch-screen 22" monitors to support six (6) Orbacom radio systems at E-911 workstations The monitors will support the following functions: 1. Three (3) Police radio frequencies 2. Four (4) Fire/Rescue radio frequencies 3. Radio frequencies for surrounding jurisdictions of Spotsylvania, Stafford, and King George Counties and the Virginia State Police 4. Modules for interoperability 5. Security access to the PSAP via door locks and alarms 6. Encoder to tone out Fire/Rescue personnel and apparatus 7. Tone alerts for Police emergencies 8. Rapid recall recorder for selected radio frequency KVM switches for six (6) E-911 workstations The KVM switches are necessary to achieve optimal efficiency by integrating the keyboards and mouse devices at each workstation. Currently, each E-911 workstation has three separate keyboards and mouse devices, one each for the Vesta E-911 system, the Orbacom radio system, and the Computer Aided Dispatch (CAD) system. The separate keyboards are an inefficient means of accessing each function, as they must be stored under the console in order to conserve desktop space. The KVM switches will allow for the incorporation of the keyboards and mouse devices into one, eliminating the excess equipment, and will give the dispatcher the capability to change the function of the keyboard with a single button.

Headsets and Connection Devices for twenty (20) dispatchers There are only two headsets and earpieces currently in operation in the Fredericksburg PSAP, and those are so obsolete as to be barely functional during most hours of operation. The sound quality through the headsets is poor, causing faulty communication between dispatchers and callers, and between dispatchers and first responders. In order for an E-911 Center to function properly, clear and correct information must be disseminated between those who require services and those who provide services. The proper use of quality headsets enhances communication by blocking the distraction of background noise and improving the clarity of sound transmitted through the device. For optimal efficiency, each dispatcher should have a dedicated device.

Hand-held portable radios for seven (7) frequencies There are seven radio frequencies designated for the jurisdiction of Fredericksburg, three for Police and two each for Fire and Rescue responders. In the event of an emergency evacuation of the PSAP or loss of functionality due to catastrophic failure of the operating systems, portable radios are essential to communicate with first

responders in the field. The portable radios currently in service in the E-911 Center are technically outdated and unable to be repaired because the required parts are no longer available. The portable radios purchased through this grant will be Kenwood model NX200 in order to ensure compatibility with recently acquired radios for the Patrol division of the Police Department. Implementation Strategy If awarded the requested funds from the E-911 Wireless Services Board, the grant will be submitted to City Council for adoption and approval. Within the first three months of the grant period, the Project Director or his designee will prepare and disseminate Requests for Proposals (RFP) as appropriate for the purchase of grant-funded equipment. Immediately following the award of contracts, the grant-funded equipment will be purchased and installed by qualified contractors, with service and operational testing as required. The grant-funded equipment will be included in the Fredericksburg Police Department's comprehensive strategy to ensure the administration of regularly scheduled maintenance and updates as required.

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

Any grant-funded equipment will be purchased with the goal of long-term functionality and the capability of technical upgrades to support enhancements in PSAP technologies.

Budget and Budget Narrative:

Fredericksburg PSAP Improvement Project 1. Monitors for Vesta E-911 Six (6) flat-screen 22" monitors to support the function of ten E-911 phone lines and seven emergency lines at each workstation, plus the ALI screen and TTY module Equipment and Installation _____ \$6600 2. Monitors for Orbacom Radio Six (6) flat-screen 22" monitors to support the function of three Police and four Fire/Rescue radio frequencies at each workstation, plus the frequencies of mutual aid jurisdictions Equipment and Installation _____ \$6600 3. KVM switch Six (6) KVM switches to integrate the keyboards and mouse devices at six E-911 workstations Equipment and Installation _____ \$8500 4. Headsets, connectors, and earpieces Twenty (20) sets to provide one for each dispatcher, to allow for enhanced communication between those in need of services and those providing services Headsets _____ \$5000 5. Hand-held portable radios Seven (7) portable radios, charger(s), and batteries to ensure back-up communication in the event of evacuation or catastrophic malfunction of the PSAP Radios _____ \$5600 Total Project Cost _____ \$32,300

Evaluation:

The replacement of technically outdated equipment and hardware in the Fredericksburg E-911 Center will result in a reduction in maintenance costs and assure that the most efficient and reliable level of service is delivered to the community. The equipment will be purchased and installed by qualified technicians, and immediately following installation, the systems will be tested for proper functioning and quality control. The equipment will be catalogued and included in the maintenance schedule used to track all department inventories. Reports will be filed to track the hours required to perform regular or emergency repairs to the equipment, as such data is highly important to determine present and future organizational models. The Captain in charge of Support Services has been designated as the Project Director for the purchase and installation of any new equipment funded by this grant, and it will be his responsibility to ensure that the implementation strategy as outlined in this application has been successfully accomplished in a timely manner.

Attachments

PSAP Grant Program Grant Ranker

View Application--64--ES911 - GIS Collection - TabletGIS

Grant Period: 2011

Tier: Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)

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: Eastern Shore 9-1-1

Jurisdictions Served: Accomac, Town of
Belle Haven, Town of
Bloxom, Town of
Cape Charles, Town of
Cheriton, Town of
Eastville, Town of
Exmore, Town of
Hallwood, Town of
Keller, Town of
Melfa, Town of
Accomack, County of
Northampton, County of
Nassawadox, Town of
Onancock, Town of
Onely, Town of
Painter, Town of
Parksley, Town of
Saxis, Town of
Tangier, Town of
Wachapreague, Town of

Project Director:

Jeff Flournoy
9-1-1 Director
PO Box 337
757-787-0909 (phone)
757-787-1044 (fax)
jflournoy@esva911.org

Project Description:

Total Project Cost \$30,674.00

Amount Requested: \$30,674.00

Statement of Need:

Addressing in both counties has current deficiencies. This includes inaccurate addressing of some buildings. In addition, a "paper-source" submission is currently in place and a migration to a digital GIS format is needed. It is believed the addition of this GIS equipment would improve the accuracy of addressing and decrease overall time needed for addressing assigning and questions. Failure to not receive these funds will result in a continued slow process and use of "paper source" submission.

Comprehensive Project Description:

GIS Collection Tool (Tablet GIS) - This project includes the purchase of the following: Tablet GIS Software, Set-up Expenses, Training, Technical Support, and Tablets with Integrated GPS (one for Northampton and three for Accomac). The project will provide GIS collection tools for both counties to enhance the accuracy of data collection during the map maintenance process. Tablet GIS will accomplish the goal by allowing users to interact with all County's GIS data while in the field, including orthophotography as well as the ability to generate address numbers while acquiring GPS location. Tablet GIS will also allow users to submit new roads and addresses in a digital GIS format. If funded, it is expected for implementation be begin as soon as possible for both counties.

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

Addressing and GIS data is crucial for 9-1-1 and dispatch operations. Accurate data will continue to promote an efficient and effective operations (using appropriate technology).

Budget and Budget Narrative:

Two attachments included (providing a breakdown of services and equipment).

Evaluation:

Information from users (Accomac and Northampton counties - Planning and GIS Departments) will be obtained to determine effectiveness of equipment purchased with this project.

Attachments

Accomack County TabletGIS.pdf
Northampton County TabletGIS.pdf



November 13, 2009

Mr. Jeff Flournoy
Director
Eastern Shore of Virginia 911 Communications
23201 Front St
Accomac, VA 23301

RE: Quotation for TabletGIS and associated hardware for Accomack County.

Dear Jeff,

This quote is in response to your request for MSAG to provide GIS collection tools for Accomack County to enhance the accuracy of data collection during the map maintenance process. TabletGIS will help accomplish this goal by allowing the user to interact with the all County's GIS data while in the field, including orthophotography as well as the ability to generate address numbers while acquiring a gps location.

TabletGIS also allows the user to submit new roads and addresses in a digital GIS format instead of the paper source submission method currently being employed.

This quote includes pricing for the TabletGIS software, training, setup, and support as well as costs for a TabletPC with an integrated GPS unit. Technical Support includes all point release updates to TabletGIS as well as 8:00 am to 5:00 pm support via telephone in regards to any problems or questions relating to the software. Problems that originate with the either the Tablet PC must be resolved with the original equipment manufacturer.

#	Description	Price
3	TabletGIS Software	\$3,585.00
3	Setup	\$1,785.00
3	Training Session	\$2,385.00
3	Annual Technical Support	\$2,995.00
3	Tablet PC with Integrated GPS	\$12,108.00
	Total	\$22,858.00

If you have any questions about any of the items that I have included in this quote please give me a call. I can be reached at (540) 829-5670 or at brian.avery@msag.com.

Sincerely,

A handwritten signature in blue ink that reads "Brian Avery".

MSAG, LLC.

Brian Avery - Account Executive



November 13, 2009

Mr. Jeff Flournoy
Director
Eastern Shore of Virginia 911 Communications
23201 Front St
Accomac, VA 23301

RE: Quotation for TabletGIS and associated hardware for Northampton County.

Dear Jeff,

This quote is in response to your request for MSAG to provide GIS collection tools for Northampton County to enhance the accuracy of data collection during the map maintenance process. TabletGIS will help accomplish this goal by allowing the user to interact with the all County's GIS data while in the field, including orthophotography as well as the ability to generate address numbers while acquiring a gps location.

TabletGIS also allows the user to submit new roads and addresses in a digital GIS format instead of the paper source submission method currently being employed.

This quote includes pricing for the TabletGIS software, training, setup, and support as well as costs for a TabletPC with an integrated GPS unit. Technical Support includes all point release updates to TabletGIS as well as 8:00 am to 5:00 pm support via telephone in regards to any problems or questions relating to the software. Problems that originate with the either the Tablet PC must be resolved with the original equipment manufacturer.

#	Description	Price
1	TabletGIS Software	\$1,195.00
1	Setup	\$595.00
1	Training Session	\$795.00
1	Annual Technical Support	\$1,195.00
1	Tablet PC with Integrated GPS	\$4,036.00
	Total	\$7,816.00

If you have any questions about any of the items that I have included in this quote please give me a call. I can be reached at (540) 829-5670 or at brian.avery@msag.com.

Sincerely,

A handwritten signature in blue ink that reads "Brian Avery".

MSAG, LLC.

Brian Avery - Account Executive

PSAP Grant Program Grant Ranker

View Application--65--ES911 - Field Verification (Addressing)

Grant Period: 2011

Tier: Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)

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: Eastern Shore 9-1-1

Jurisdictions Served: Accomac, Town of
Belle Haven, Town of
Bloxom, Town of
Cape Charles, Town of
Cheriton, Town of
Eastville, Town of
Exmore, Town of
Hallwood, Town of
Keller, Town of
Melfa, Town of
Accomack, County of
Northampton, County of
Nassawadox, Town of
Onancock, Town of
Onely, Town of
Painter, Town of
Parksley, Town of
Saxis, Town of
Tangier, Town of
Wachapreague, Town of

Project Director:

Jeff Flournoy
9-1-1 Director
PO Box 337
757-787-0909 (phone)
757-787-1044 (fax)
jflournoy@esva911.org

Project Description:

Total Project Cost \$24,256.00

Amount Requested: \$24,256.00

Statement of Need:

Addressing in both counties has current deficiencies, including in towns that are responsible for their own addressing. This project would address numerous address inaccuracies in three towns on the Eastern Shore of Virginia.

Comprehensive Project Description:

Field Verification (addressing) in the Towns of Wachapreague, Onancock, and Cape Charles - After appropriate meetings with each town and the collection of relevant source map data, field verification crews will be sent to each town to verify address numbers of all structures in each town. This information collected in the field will be used to update the E911 base map file with current address information. In addition to printable files of map-book pages; address and road shapefiles of the date will be delivered.

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

Addressing and GIS data is crucial for 9-1-1 and dispatch operations. Accurate data will continue to promote an efficient and effective operations (using appropriate technology).

Budget and Budget Narrative:

One attachment included from vendor, providing cost overview and project description.

Evaluation:

Information from users (Accomac and Northampton counties (Planning and GIS Departments) and 9-1-1 staff) will be obtained to determine effectiveness of address verification project.

Attachments

ESVA Address Verification.pdf



Wednesday, October 21, 2009

Mr. Jeff Flournoy
Director, ESVA 911 Center
23201 Front Street
Accomac, VA 23301

RE: Quotation for the Field Verification for the Towns of Wachapreague, Onancock, and Cape Charles.

Dear Mr. Flournoy

The following is a services quote based on our discussion about the field verification of the towns of Wachapreague, Onancock, and Cape Charles. This document will detail the scope of services and price for the complete verification of each town and the addition of all updated data into the ESVA GIS. Each town will be priced individually and may be done separately from the others.

Scope of Services:

1. MSAG will conduct a kickoff meeting with each town to discuss the start of the project and collect any relevant source map data.
2. MSAG will send a field verification crew to each town to verify the address numbers of all the structures in the town. Our field personnel will drive every road in each town in order to locate all buildings that require a street address
3. MSAG will use the information collected in the field to update the E911 base map files with all the current address information.

Deliverables:

1. Printable PDF files of the map book pages in Accomack County that contain the each of the three towns.
2. Address and Road shapefiles of the updated data.
3. Reports of any problem addresses.

Description	Price
Field Verify Town of Wachapreague	\$6,632.00
Field Verify Town of Onancock	\$9,160.00
Field Verify Town of Cape Charles	\$8,464.00
Total	\$24,256.00

If you have any questions, or require any additional information, please don't hesitate to contact me by phone at (540) 829-5670 or via email at brian.avery@msag.com.

Sincerely,

Brian Avery
Account Executive - MSAG LLC

PSAP Grant Program Grant Ranker

View Application--66--ES911 - Domain Server

Grant Period: 2011

Tier: Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)

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

Priority: Other (**OTHER**)

Primary PSAP Applicants:

Eastern Shore 9-1-1

Jurisdictions Served:

Accomac, Town of
Belle Haven, Town of
Bloxom, Town of
Cape Charles, Town of
Cheriton, Town of
Eastville, Town of
Exmore, Town of
Hallwood, Town of
Keller, Town of
Melfa, Town of
Accomack, County of
Northampton, County of
Nassawadox, Town of
Onancock, Town of
Onely, Town of
Painter, Town of
Parksley, Town of
Saxis, Town of
Tangier, Town of
Wachapreague, Town of

Project Director:

Jeff Flournoy
9-1-1 Director
PO Box 337
757-787-0909 (phone)
757-787-1044 (fax)
jflournoy@esva911.org

Project Description:

Total Project Cost \$5,588.00

Amount Requested: \$5,588.00

Statement of Need:

The current domain server for the 9-1-1 Center is presently serving the 9-1-1 Center's needs, however a temporarily (older desktop PC) is currently on the floor functioning as a back-up domain server. The server requested will work in conjunction with the present domain server (primary and secondary).

Comprehensive Project Description:

Domain Server - PowerEdge 2970 (server in quote) - This server will work in conjunction with another server functioning as the domain server and will replace a older desktop PC (sitting on the floor) currently functioning as our back-up/secondary domain server.

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

As Information Technology and computer equipment continue to become paramount to PSAP operations, this equipment will provide the additional server capabilities necessary for 9-1-1 Center operations.

Budget and Budget Narrative:

Domain Server (PowerEdge 2970 in quote) - \$5,588. This quote represents the expected cost for the server. Installation and support will be provided by the county IT departments. Unable to submit quote from vendor (was given hardcopy from IT Department in Northampton County)

Evaluation:

After installation of server, functionlity will be evaluation by IT staff to verify performance capabilities and expectations.

Attachments

PSAP Grant Program Grant Ranker

View Application--67--ES911 - Training (APCO)

Grant Period: 2011

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

Grant Program: Enhancement **Grant Type:** Regional Initiative

Priority: PSAP Individual Training Program (**PSAP INDIVIDUAL**)

Primary PSAP Applicants:

Eastern Shore 9-1-1

Jurisdictions Served:

Accomac, Town of
Belle Haven, Town of
Bloxom, Town of
Cape Charles, Town of
Cheriton, Town of
Eastville, Town of
Exmore, Town of
Hallwood, Town of
Keller, Town of
Melfa, Town of
Accomack, County of
Northampton, County of
Nassawadox, Town of
Onancock, Town of
Onely, Town of
Painter, Town of
Parksley, Town of
Saxis, Town of
Tangier, Town of
Wachapreague, Town of

Project Director:

Jeff Flournoy
9-1-1 Director
PO Box 337
757-787-0909 (phone)
757-787-1044 (fax)
jflournoy@esva911.org

Project Description:

Total Project Cost \$6,945.00

Amount Requested: \$6,945.00

Statement of Need:

Training opportunities for Dispatchers are limited, mainly due to travel limitations and budget considerations. It is a given that additional training, especially using respected sources such as APCO, benefit Communications Officers, their agency, and ultimately the public we serve.

Comprehensive Project Description:

APCO Training (on-line) - Includes the following: 1. Fire Service Communications - In early 2010 staff at the ESVA 9-1-1 Center will complete this training (using FY10 PSAP grant funds), however additional staff will need this training - Requesting four classes, 2. Public Safety Communications Staffing and Employee Retention - Supervisory staff will complete class as part of additional management training - Requesting three classes, 3. Telecommunicators Role in Homeland Security - In 2010 staff at the ESVA 9-1-1 Center will complete this on-line training (using PSAP grant funds - FY10) - Feel this class is appropriate for today's dispatch personnel and currently limited training if offered to personnel for this important topic - Requesting eighteen classes (four for additional ESVA 9-1-1 staff, and six for each law enforcement dispatch center in each county).

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

No equipment purchased, rather needed public safety training.

Budget and Budget Narrative:

Fire Service Communications (on-line) - APCO - \$429 for each class (Total for four staff is \$1,716), Public Safety Communications Staffing and Employee Retention (on-line) - APCO - \$249 for each class (Total for three staff is \$747), Telecommunicators Role in Homeland Security (on-line) APCO - \$249 for each class (Total for eighteen staff is \$4,482) --- Unable to provide electronic copy of quote - Hardcopy obtained from APCO Institute website.

Evaluation:

After class completion, staff will provide feedback on training offered and delivered.

Attachments

PSAP Grant Program Grant Ranker

View Application--68--ES 911 - Centerline/Address Verification

Grant Period: 2011

Tier: Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)

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

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

Primary PSAP Applicants: Eastern Shore 9-1-1

Jurisdictions Served: Accomac, Town of
Belle Haven, Town of
Bloxom, Town of
Cape Charles, Town of
Cheriton, Town of
Eastville, Town of
Exmore, Town of
Hallwood, Town of
Keller, Town of
Melfa, Town of
Accomack, County of
Northampton, County of
Nassawadox, Town of
Onancock, Town of
Onely, Town of
Painter, Town of
Saxis, Town of
Tangier, Town of
Wachapreague, Town of

Project Director:

Jeff Flournoy
9-1-1 Director
PO Box 337
757-787-0909 (phone)
757-787-1044 (fax)
jflournoy@esva911.org

Project Description:

Total Project Cost \$18,000.00

Amount Requested: \$18,000.00

Statement of Need:

The ESVA 9-1-1 Center does not have the necessary capabilities to maintain every aspect of our CAD

mapping (limited support is provided by vendors and both counties IT Departments). Specifically an evaluation of our CAD mapping data would provide benefit and detect mapping problems before they become problems during emergencies.

Comprehensive Project Description:

CAD Mapping Data Improvement - 1. A systematic evaluation of our CAD mapping data - Includes, A. Checking road centerline for topological integrity, B. Checking address points (parity and order), C. Checking street centerline segments (address ranges, gaps and overlaps, and missing street ranges). 2. Based on the results of the evaluation of CAD mapping data, perform the following tasks, A. Correct street names, B. Correct centerline geometry issues, C. Correct street segment number ranges, 4. Reporting violations of parity or order in numbering/addressed structures. Deliverables will include address point connector lines and an address quality report as well as a shapefile or personal geodatabase of corrected attributes and data.

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

This is really a service and not equipment - However it supports correcting inaccurate data in our CAD mapping, which is paramount to our operations.

Budget and Budget Narrative:

Centerline/Address Verification - Expected costs are \$18,000. A quote is attached from a selected vendor.

Evaluation:

After completion of project, the process will be explored and data will be examined to verify accuracy.

Attachments

dataimprovement.pdf



December 3, 2009

Eastern Shore of Virginia 911 Commission
23201 Front Street
Accomac, VA 23301

ATTENTION: Jeff Flournoy, Director

Re: Data Improvement Proposal

Dear Mr. Flournoy,

Spatial Systems Associates Inc. (SSA) is pleased to submit this proposal to the Commission for your consideration.

Earlier this year you asked SSA to provide an estimate of the cost of building response zone polygons, using an approach similar to the one we employed in Worcester County, MD. We have provided that estimate and are awaiting the Commission's decision on how to proceed.

In the course of evaluating your road centerline and address data for the preparation of the estimate, it became apparent to us that there were some basic data quality issues that needed to be investigated, and where possible resolved, in order to reduce the delays that could occur in responding to incident calls when problematic data is used to locate incidents and guide responders.

We suggest that two tasks are required to improve the quality of your centerline and address data:

1. A systematic evaluation of the data.
2. The correction of obvious geometry and database errors discovered during the evaluation process.

Task 1 – Data Evaluation

SSA will use our SpatialMap911 tool (in use in Worcester County for address assignment and verification) and other custom tools and database analyses to carry out an evaluation of the Commission's road centerline and address point data sets to identify any of the following issues:

1. Check road centerline geometry for topological integrity—i.e. do the road segments connect to each other (we observed numerous places where they did not).
2. Check address points for:
 - a. The address parity (even / odd placement on appropriate sides of the centerline) is respected, and if not exceptions noted.
 - b. Address order is respected (incrementing in proper direction based on rules and out of sequence numbers flagged).
3. Check street centerline segments for:
 - a. Address ranges of street segments include all the actual in use addresses of structures correctly addressed to a given street.
 - b. Gaps and overlaps of address ranges on street segments.
 - c. Missing address ranges.

The results of our analysis will be summarized in an address quality report for your review.

Appendix 1 to this proposal contains screen shots from other 911 projects our firm has completed showing the types of reports and illustrations that you may expect to receive as part of our address quality report.

Task 2 – Data Improvement

SSA will meet with you to discuss our findings arising out of the completion of Task 1 and propose a strategy to correct errors identified in that task.

Our work may include, based on the priorities assigned by the Commission as a result of our meeting:

1. Correcting street names in the address database when they differ from the master address list name.
2. Correcting centerline geometry issues by ensuring segments are snapped to each other and overshoots are deleted.
3. Correcting street segment number ranges where existing in use number conflicts do not make such corrections impossible.
4. Reporting on apparent violations of parity or order in numbering or addressed structures apparently addressed to the wrong street. We will not change in use addresses that display these errors.

Deliverables

Task 1 – Two deliverables”

1. SSA will deliver address point connector lines that are machine generated as part of our review process; these are used to verify that a structure’s street address matches the name of the adjoining street.
2. SSA will produce an address quality report for your review and use. It will be an excel spreadsheet listing issues identified and illustrations, if required The report will include an ArcGIS file with an error point feature layer permitting look up of each problem instance identified by our quality control technicians.

Task 2 – Two deliverables:

1. Project planning meeting to discuss the implications of the Commission of our findings in Task 1.
2. Shapefile or personal geodatabase of corrected street name attributes in the address point file and corrected geometry for street centerlines and corrected attributes for street segments identified as requiring correction in Task 1.

Data Warranty

SSA warrants that the data delivered for this project will be free of error. Any centerline geometry and range or road name data errors discovered by the Commission during the one year period after delivery of the data to the Commission will be corrected by SSA at SSA’s expense.

Time of Performance

Spatial Systems Associates Inc. is prepared to begin work on this project within two weeks of project award. We estimate Task 1 can be completed within one and the total project within two months of project award.

Cost and Payment Terms

Spatial Systems Associates Inc. is prepared to complete Task 1 for a firm fixed price of \$10,000. Payment will be due within thirty days of the delivery of the address quality report to the Commission.

Spatial Systems Associates Inc. (SSA) is prepared to undertake Task 2 on a Time and Materials basis at an estimated cost of \$8,000. SSA will submit monthly invoices of staff time expended on the project accompanied by a project status report. Payment will be due within 30 days of the invoice date.

Sincerely

A handwritten signature in black ink, appearing to read "Henry Weissenberger". The signature is fluid and cursive, with a long horizontal stroke at the end.

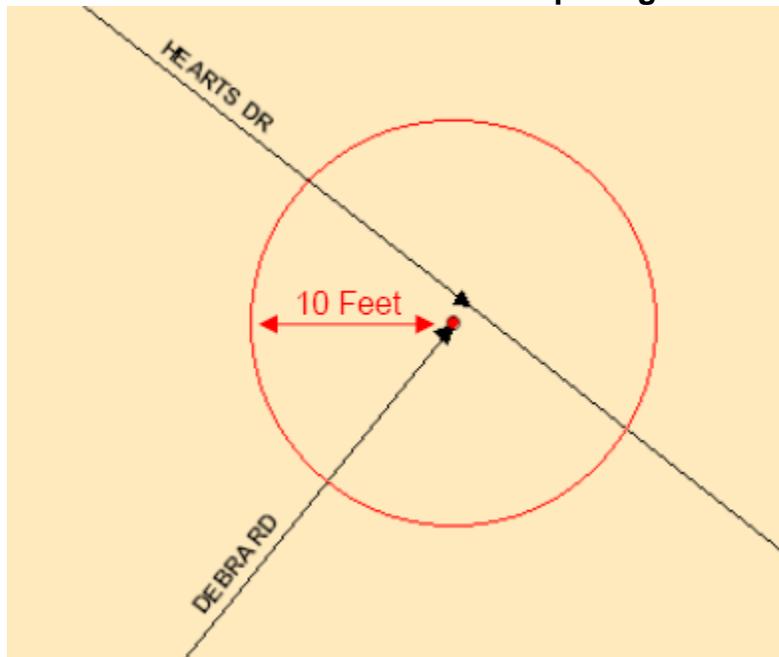
Henry Weissenberger
Director, State and Local Solutions

Appendix 1 – Sample Screen Shots

Illustration 1 – Sample Sequence/parity Report

	A	B	C	D	E
	CL_NAME	A_ADDR	T_ADDR_DEC	T_ADDR	STRUC_OIERROR
1	FIRST AV	2	6.65474077476	7	1420 STRUCTURE ADDRESSED TO WRONG SIDE OF ROAD
2	FIRST AV	12	8.00212881427	8	839 OUT OF SEQUENCE
3	FIRST AV	4	8.40766079924	9	560 STRUCTURE ADDRESSED TO WRONG SIDE OF ROAD
4	FIRST AV	13	9.84389515518	10	822 OUT OF SEQUENCE
5	FIRST AV	6	10.35039518370	11	1042 OUT OF SEQUENCE
6	FIRST AV	14	11.09909199690	12	540 OUT OF SEQUENCE
7	FIRST AV	7	11.73356798070	13	1564 OUT OF SEQUENCE
8	FIRST AV	15	12.10082049090	12	208 OUT OF SEQUENCE
9	FIRST AV	8	12.55385012570	13	513 OUT OF SEQUENCE
10	FIRST AV	16	13.63837552440	14	511 OUT OF SEQUENCE
11	FIRST AV	10	14.76781410440	15	538 STRUCTURE ADDRESSED TO WRONG SIDE OF ROAD
12	MAHURON DR	0	1119.39772519000	1119	678 STRUCTURE ADDRESSED TO WRONG SIDE OF ROAD
13	MARIE DR	0	1499.41738344000	1499	1225 STRUCTURE ADDRESSED TO WRONG SIDE OF ROAD
14	WOODSIDE DR	614	615.26450871500	616	1878 OUT OF SEQUENCE
15	WOODSIDE DR	0	616.77957946500	618	175 OUT OF SEQUENCE
16	WOODSIDE DR	0	619.83223305200	620	1636 ADDRESS OUT OF RANGE FOR SEGMENT
17	BOLLINGER RD	1245	1262.40144204000	1263	1769 OUT OF SEQUENCE
18	BOLLINGER RD	1221	1272.71803081000	1273	529 OUT OF SEQUENCE
19	BOLLINGER RD	1320	1300.93472331000	1302	124 OUT OF SEQUENCE
20	BOLLINGER RD	0	1428.82129032000	1429	26 OUT OF SEQUENCE
21	BOLLINGER RD	0	1434.79940516000	1436	826 ADDRESS OUT OF RANGE FOR SEGMENT
22	BOLLINGER RD	1500	1506.26787810000	1506	1162 OUT OF SEQUENCE
23	BOLLINGER RD	0	1512.63194529000	1514	340 OUT OF SEQUENCE
24	BOLLINGER RD	1562	1557.41288644000	1558	833 OUT OF SEQUENCE
25	BOLLINGER RD	0	1557.74789060000	1558	258 OUT OF SEQUENCE
26	BOLLINGER RD	0	1558.05392886000	1558	266 ADDRESS OUT OF RANGE FOR SEGMENT
27	BOLLINGER RD	1704	1669.58702094000	1670	1861 OUT OF SEQUENCE
28	BOLLINGER RD	0	1671.78334422000	1672	1317 OUT OF SEQUENCE
29	COOL SPRING DR	1040	1042.48038427000	1042	980 OUT OF SEQUENCE
30	COOL SPRING DR	0	1045.12116386000	1046	458 ADDRESS OUT OF RANGE FOR SEGMENT
31	OAK AV	428	428.92253893800	430	1174 OUT OF SEQUENCE
32	OAK AV	0	429.88953910500	430	672 OUT OF SEQUENCE
33	OAK AV	0	429.88953910500	430	672 OUT OF SEQUENCE

Illustration 2 – Centerline Gap Image



PSAP Grant Program Grant Ranker

View Application--69--911 addressing computer grant

Grant Period: 2011

Tier: Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)

Grant Program: Continuity and Consolidation **Grant Type:** Individual PSAP

Priority: Mapping System (**MAPPING**)

Primary PSAP Applicants: Buckingham County

Jurisdictions Served: Buckingham, County of

Project Director:

Kevin Flippen
E-911 Coordinator
P.O. 252
434-969-7734 (phone)
434-969-1638 (fax)
kflippen@buckinghamcounty.virginia.gov

Project Description:

Total Project Cost \$7,533.00

Amount Requested: \$7,533.00

Statement of Need:

The need for E-911 addressing is becoming increasingly important since Buckingham began the process in 2005. With the addition of several new housing developments and structures throughout the county, we are finding critical data from mapping can provide an accurate location and faster response time. Additionally, we are finding that orthophoto imagery supplied by VGIN is becoming more detailed and .tiff files are increasing in size forcing a need to upgrade our outdated laptops that are used for mapping and address assignment. Therefore, the need for this grant is replace current E-911 addressing laptops with updated equipment allowing for the new larger VGIN .tiff files. Additionally this will also allow for further expansion for E-911 purposes.

Comprehensive Project Description:

The goal for this project is to replace outdated equipment that Buckingham County is currently using for E-911 addressing purposes. The current equipment is now outdated and not capable of supporting the new orthophoto imagery that is supplied to us by VGIN. This updated imagery is important as we handle E-911 calls and to our responding sheriff's deputies and fire/rescue. If this grant is awarded to Buckingham County the new laptops will be ordered and all necessary updates for the mapping programs will be done in house and these new laptops will be ready for operation within 2 weeks of their arrival. The new equipment will be used to continue our mapping updates and E-911 addressing assignments. These laptops are on

state government contract and are readily available to be shipped upon the completion of our order. With the current size of .tiff files supplied by VGIN and current mapping program space requirements, we feel these new laptops should provide us service for a minimum of three (3) years.

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

This purchase will support future technologies for PSAP readiness by allowing us to utilize new imagery as supplied by VGIN as well as having enough space available to allow for updated and improved mapping programs.

Budget and Budget Narrative:

Replacing outdated equipment. Cost basis is state contract price.

Evaluation:

Awarding of grant and purchasing of equipment.

Attachments

CDWGQuote#BLGB499.pdf



SALES QUOTATION

QUOTE NO.	ACCOUNT NO.	DATE
BLGB499	10889948	12/14/2009

BILL TO:
 JAMIE SHUMAKER
 13360 W. JAMES ANDERSON HWY

SHIP TO:
 BUCKINGHAM COUNTY
 Attention To: JAMIE SHUMAKER
 13360 W. JAMES ANDERSON HWY

Accounts Payable
 BUCKINGHAM , VA 23921

BUCKINGHAM , VA 23921
 Contact: JAMIE SHUMAKER

Customer Phone #434.969.5022

Customer P.O. # NON-TOUCH CF30

ACCOUNT MANAGER		SHIPPING METHOD	TERMS	EXEMPTION CERTIFICATE
NICOLE TUZZOLINO 866.850.5223		FedEx Ground	NET 30 Days	GOVT-EXEMPT
QTY	ITEM NO.	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
1	1723567	BTO PAN TB 30 SL9300 160GB 2GB XP Mfg#: PNB-CF-30KBPAX2M Contract: SYNEX GSA SCHEDULE (SLED) GS-35F-0143R	3,435.00	3,435.00
1	1068836	MS GSA OFFICE PRO PLUS 2007 Mfg#: MLG-79P-01207 Contract: GSA Schedule GS-35F-0195J Electronic distribution - NO MEDIA	331.38	331.38
SUBTOTAL				3,766.38
FREIGHT				0.00
TAX				0.00
				US Currency

THE RIGHT TECHNOLOGY. RIGHT AWAY.™

TOTAL ↕ **3,766.38**

CDW Government Inc.
 230 North Milwaukee Ave.
 Vernon Hills, IL 60061
 Phone: 847.371.5000

Fax: 847-None

Please remit payment to:
 CDW Government Inc.
 75 Remittance Drive
 Suite 1515
 Chicago, IL 60675-1515

PSAP Grant Program Grant Ranker

View Application--70--CRAIG COUNTY PSAP GRANT

Grant Period: 2011

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

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

Priority: Next Generation 9-1-1 (**NG**)

Primary PSAP Applicants: Craig County

Jurisdictions Served: Craig, County of

Project Director:

Geromy Nichols
E-911 Coordinator
Craig County 911 Center
540-864-5127 (phone)
540-864-5590 (fax)
craige911@tds.net

Project Description:

Total Project Cost \$35,000.00

Amount Requested: \$35,000.00

Statement of Need:

UPS: The current uninterrupted power supply has been in service approximately 12 years and showing signs of its age. The County's 911 System depends on a constant power source. Craig County is a rural county and power from AEP and the Craig Botetour Electric Coop experience frequent outages. These outages are a result of the number of miles the power source has to travel through the National Forest to reach New Castle, the location of the heart of the 911 system. Software Evergreen Maintenance: We have been able to purchase the Software Evergreen this year with grant money, but no funding is available for the maintenance required to keep the system current. With out this maintenance the system will be come obsolete.

Comprehensive Project Description:

The projects include the installation of adequate UPS equipment to assure uninterrupted operation of the County's 911 System. The porject will also include the second years maintenance of the recently installed 911 equipment. The first years maintenance was a part of the contract to purchase and install the updated equipment. The equipment to be purchased through this grant will be completed within 180 days of notification of award of the grant. A list of the anticipated equipment purchase is attached.

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

The equipment to be purchased is compatible with any current or anticipated technology that has a primary purpose of managing data.

Budget and Budget Narrative:

Uninterrupted Power Supply: Purchased through ONEAC SINERGY II UPS. \$8,182.35 for 48/42/85 H@50/60 208/240/120 SE202XAJ-OH8XXX and \$19,037.70 for 96/83/167 H@ 50/60 202/240/120 POSITRON,Software Evergreen-Year 2 Maintenance \$6,404.52 for Software Evergreen on-site maintenance services.

Evaluation:

This system will be continually monitored by the Craig County Sheriff's Office and Craig County Administrator's Office to make sure we comply with statewide E-911 System.

Attachments

Evergreen Software Quote.doc
--

On the PO – please reference the quote number for Craig County – Q70987D. The total of the PO should be for \$135,374.09.

Again- I would like to suggest that you include the following statement on the purchase order to secure that below cost on maintenance for a period of (5) years. Again - Positron has recently changed the way they quote maintenance services but your quote was not affected because it was active. If this statement is not on the PO – they will not lock in the quoted estimate for you and Craig County will be subject to the 3% call center fee. I again want to point this out because you will be paying about 15K-18K in addition to the cost estimate below.

Again – this is your option but I felt the need to point it out and make sure that you were clearly aware. Also if you absolutely choose not to include the statement – I also need to know that because you will need to include that for your first year so I will need to revise the quote.

“Craig County accepts Software Evergreen and On-Site Maintenance Services as outlined below to be billed on an annual basis”.

Software Evergreen - Year 2	\$ 6,404.52
Software Evergreen - Year 3	\$ 6,596.66
Software Evergreen - Year 4	\$ 6,794.56
Software Evergreen - Year 5	\$ 6,998.39
On-Site Maintenance - Year 2	\$ 20,139.26
On-Site Maintenance - Year 3	\$ 20,743.44
On-Site Maintenance - Year 4	\$ 21,365.74
On-Site Maintenance - Year 5	\$ 22,006.71

When you are ready to issue the PO, please fax or email to our Inside Sales Department:

Inside Sales
insidesales@positron911.com
 5101 Buchan Street
 Montreal, QC, H4P 2R9
 Phone: (514) 345-2270
 Fax: (514) 345-2267
www.positron911.com

PSAP Grant Program Grant Ranker

View Application--71--Phase II Quality Control of MSAG validated parcels

Grant Period: 2011

Tier: Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)

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: Wise County

Jurisdictions Served: Appalachia, Town of
Big Stone Gap, Town of
Coeburn, Town of
Wise, County of
Pound, Town of
St. Paul, Town of
Wise, Town of

Project Director:
Jessica Swinney
Geographic Information Officer
PO Box 570
276-328-7110 (phone)
276-328-9780 (fax)
gio@wisecounty.org

Project Description:

Total Project Cost \$37,296.00

Amount Requested: \$12,389.00

Statement of Need:

Wise County is located in the rural mountainous region of far Southwest Virginia. Wise County is an economically challenged county and ranks near the bottom of all Virginia Counties for per capita income and household income. The current per capita income in Wise County is (\$17,322) which stands at 54 percent of the state level (\$32,224) and 63 percent of the national level (\$27,466), while median household income stands at 54 and 63 percent respectively. Wise County is economically distressed and funding for this project is very small. Not receiving funding would delay the update of equipment for an unforeseen number of years.

Comprehensive Project Description:

The Wise County PSAP utilizes the GIS mapping daily. Verified 911 calls are mapped on the dispatcher's consoles when they come in. The data is geocoded using the road centerline dataset as well as the structure point addresses. The emergency responders rely heavily on this mapping technology to locate incidents. Accurate data is imperative for emergency responders. A crucial element of 911 PSAP operations is to ensure the GIS map data, ALI database, and MSAG are maintained properly for accurate 9-1-1 call

plotting. This project will provide Wise County with industry standard hardware and software necessary to keep the GIS data up-to-date. This project will be used to provide continued services of the GIS mapping capability and data that is already being used on a daily basis in the Wise County 911 PSAP. Funding supports the second phase of MSAG validated parcel mapping. An additional layer of quality control will be added to the E-911 addresses by utilizing existing parcels as a tool to cross check the existing E-911 Address database to validate the 911 addresses and MSAG databases. Anderson & Associates created an initial parcel layer of Wise County in 2003. Since that time Wise County has worked in conjunction with the Wise County Circuit Court Clerk's Office and the Wise County Commissioner of Revenue's Office to maintain and update those parcels. The parcels have the Tax Assessment Land Book information attached as attributes with an E-911 Address. Now that Wise County will become E-911 Verified the parcel data can be used as a tool to cross check the existing E-911 Address database to validate the 911 addresses and MSAG databases. This will provide the Wise County PSAP with an additional layer of quality control for the completed E-911 verification project. The goal of this effort is the continued timely creation, maintenance, and enhancement of an integrated public safety mapping system for the PSAP and to analyze the performance of the system in supporting operations and planning. Wise County has the following objectives which were obtained from the GIS Strategic Plan:

- Provide dispatchers and emergency responders with the most current and accurate mapping data in order to assist with emergency response
- Strive for continued improvement of data standards and accuracy of the public safety mapping data system
- Automate update procedures to public safety mapping data
- Continue to combine the valuable GIS resources from Wise County with the PSAP as well as Emergency Response Organizations and Regional PSAPs

Implementation plan The following tasks have been completed or are currently in the process:

- A 911 structure point address and road centerline database exists and is being utilized in the PSAP
- Install addressing and MSAG tools for the in house maintenance of the data as the county becomes E-911 verified
- Creation of Standard Operating Procedures for quality control of the PSAP mapping data and an automated synchronization of the MSAG, ALI, and Map databases
- Update of PSAP mapping software and hardware
- Upgrade of existing network equipment to current industry standards.

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

Wise County is seeking to utilize hosted CAD and CPE equipment with Dickenson County, Lee County, and the City of Norton. Having accurate and current PSAP mapping in place will ease the transition of consolidation or combining the datasets in the future. Also having current industry standard hardware and software in place will insure that regional sharing of mapping data and resources can continue into the future.

Budget and Budget Narrative:

Wise County respectfully submits the following narrative description of the proposed budget in its application for Wireless Service Board FY11 funding. This project will be used to provide continued services of the GIS mapping capability, connectivity, and data that is already being used on a daily basis in the Wise County 911 PSAP. Funding supports the second phase of MSAG validated parcel mapping. The grant request totals \$12389.00 Wise County requested funding in FY09/10 for MSAG validated parcel work in the amount of \$37,296. The County was only awarded \$24,907 in Fy09/10 progress has been made in the first 6 months of the fiscal year and to keep the momentum and correctly validate the parcels the additional funding is requested to complete the project.

Evaluation:

Objective: Continued improvement of data standards and accuracy of public safety mapping data Measure: Review of Data Report Card and Standard Operating Procedures for 911 addressing & public safety mapping on a quarterly basis Objective: Automate update procedures of public safety mapping data Measure: Communication with the technical staff of the PSAP and County as well as the vendors of software and equipment for automating processes and procedures to maximize productivity Objective: Provide dispatchers and emergency responders with the most current and accurate mapping data in order to assist with emergency response Measure: Meet with Fire and Rescue Associations to insure the responders have the proper maps and data for emergency response Objective: Continue to combine the valuable GIS resources from Wise County with the PSAP as well as Emergency Response Organizations and Regional PSAPs Measure: Meeting with Emergency Response Organizations and communicating with PSAP and GIS offices on a regular basis

Attachments

PSAP Grant Program Grant Ranker

View Application--72--MECC Regional GIS Repository

Grant Period: 2011

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:** 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: Wise County

Jurisdictions Served: Appalachia, Town of
Big Stone Gap, Town of
Coeburn, Town of
Wise, County of
Pound, Town of
St. Paul, Town of
Wise, Town of

Project Director:

Jessica Swinney
Geographic Information Officer
PO Box 570
276-328-7110 (phone)
276-328-9780 (fax)
gio@wisecounty.org

Project Description:

Total Project Cost \$30,000.00

Amount Requested: \$30,000.00

Statement of Need:

Wise County is located in the rural mountainous region of far Southwest Virginia. Wise County is an economically challenged county and ranks near the bottom of all Virginia Counties for per capita income and household income. The current per capita income in Wise County is (\$17,322) which stands at 54 percent of the state level (\$32,224) and 63 percent of the national level (\$27,466), while median household income stands at 54 and 63 percent respectively. Wise County is economically distressed and funding for this project is very small. If funding is not received for this project then the project would not be undertaken.

Comprehensive Project Description:

The counties of Washington, Smyth, Scott, Lee, Russell and the City of Bristol have been working to establish a Southwest Virginia GIS Repository. The Wise County PSAP utilizes the GIS mapping daily. Verified 911 calls are mapped on the dispatcher's consoles when they come in. The data is geocoded using the road centerline dataset as well as the structure point addresses. The emergency responders rely heavily on this mapping technology to locate incidents. Accurate data is imperative for emergency responders. Wise

County would like to join the Southwest Virginia GIS Repository. This would allow Wise County to efficiently share data with the surrounding localities as well as the state VITA VBMP program. In addition, any disparate data sets can be consolidated using geoprocessing (GP) tasks, facilitating the consumption of these layers into the PSAP's mapping system. This grant project will enhance the Wise County PSAPs ability to assist with mutual aid, provide effective regional response, backup other localities critical data, and provide backup emergency dispatch capability. This can occur with near-real time on demand geospatial updates of critical infrastructure and address layers using ArcGIS Server Replication or ESRI Compatible as an alternative solution. The grant will include upgrading ESRI versions and licensing, and mapping display capabilities and conformance of data to the Southwest Virginia GIS Repository. The Goals and Objectives of this project have been adapted from the original request to establish a Southwest Virginia GIS Repository Goals and Objectives 1. To efficiently and effectively share data between neighboring jurisdictions for use in dispatch mapping applications. 2. To develop a standard database layout for various GIS layers that will be shared. 3. To create an automated geoprocessing routine that merges data layers from each locality with little or no user interfacing and to do this on a daily basis. 4. To create an "on-demand" data downloading process.. 5. To ultimately link our regional data server to other data servers in the region and state. 6. To have as little impact on local mapping, GIS, and IT applications and processes as possible. 7. To keep new monthly maintenance costs at a similar or minimal increase. Implementation Strategy and Work plan We anticipate this project will include: 1. Assessment of the current PSAP and GIS systems and requirements to enable ESRI ArcGIS Server Replication or ESRI Compatible as an alternative solution for participating PSAPs. 2. Assessment of the current networking infrastructure and establishment of a secured network to enable the replication of data among the regional participants. 3. Data standardization to support the individual PSAP mapping I CAD systems (GeoComm) data input requirements. 4. Development of work processes required to automate the data update in each locality and replication to the PSAP mapping systems 5. Configuration of a Geodata service providing one or two way replication between participating PSAPS 6. Configuration of a Geodata service providing replication between the PSAP and VITA 7. Training and documentation on the installation, setup, and configuration of any tasks and replication services

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

Wise County is seeking to utilize hosted CAD and CPE equipment with Dickenson County, Lee County, and the City of Norton. Having accurate and current PSAP mapping in place will ease the transition of consolidation or combining the datasets in the future. This would allow Wise County to efficiently share data with the surrounding localities as well as the state VITA VBMP program. In addition, any disparate data sets can be consolidated using geoprocessing (GP) tasks, facilitating the consumption of these layers into the PSAP's mapping system. This grant project will enhance the Wise County PSAPs ability to assist with mutual aid, provide effective regional response, backup other localities critical data, and provide backup emergency dispatch capability. This can occur with near-real time on demand geospatial updates of critical infrastructure and address layers using ArcGIS Server Replication or ESRI Compatible as an alternative solution. The grant will include upgrading ESRI versions and licensing, mapping display capabilities and conformance, and mapping display rendering assistance.

Budget and Budget Narrative:

Wise County respectfully submits the following narrative description of the proposed budget in its application for Wireless Service Board FY11 funding. The grant request totals \$30000.00 Funding will support the data standardization to join the existing counties in the Southwest Virginia GIS Repository. Configuration of a Geodata service providing one or two way replication between participating PSAPS; Configuration of a Geodata service providing replication between the PSAP and VITA; Training and documentation on the installation, setup, and configuration of any tasks and replication services. Funding will also include upgrading ESRI versions and licensing, mapping display capabilities and conformance of mapping data.

Evaluation:

Objective: To efficiently and effectively share data between neighboring jurisdictions for use in dispatch mapping applications. Measure: Assessment of the current PSAP and GIS systems and requirements to enable ESRI ArcGIS Server Replication or ESRI Compatible as an alternative solution for participating PSAPs. Objective: To develop a standard database layout for various GIS layers that will be shared. Measure: Assessment of the current networking infrastructure and establishment of a secured network to enable the replication of data among the regional participants.

Attachments

PSAP Grant Program Grant Ranker

View Application--73--Phase II Upgrading Technically Outdated Primary Mapping Hardware/Software

Grant Period: 2011

Tier: Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)

Grant Program: Continuity and Consolidation **Grant Type:** Individual PSAP

Priority: Primary mapping servers and workstations (**MAPPING SUPPORT**)

Primary PSAP Applicants: Wise County
Jurisdictions Served: Appalachia, Town of
Big Stone Gap, Town of
Coeburn, Town of
Wise, County of
Pound, Town of
St. Paul, Town of
Wise, Town of

Project Director:

Jessica Swinney
Geographic Information Officer
PO Box 570
276-328-7110 (phone)
276-328-9780 (fax)
gio@wisecounty.org

Project Description:

Total Project Cost \$45,329.00

Amount Requested: \$45,329.00

Statement of Need:

Wise County is located in the rural mountainous region of far Southwest Virginia. Wise County is an economically challenged county and ranks near the bottom of all Virginia Counties for per capita income and household income. The current per capita income in Wise County is (\$17,322) which stands at 54 percent of the state level (\$32,224) and 63 percent of the national level (\$27,466), while median household income stands at 54 and 63 percent respectively. Wise County is economically distressed and funding for this project is very small. Not receiving funding would delay the update of equipment for an unforeseen number of years. The equipment being requested has been giving an end of support life cycle for 2011.

Comprehensive Project Description:

The Wise County PSAP utilizes the GIS mapping daily. Verified 911 calls are mapped on the dispatcher's consoles when they come in. The data is geocoded using the road centerline dataset as well as the structure point addresses. The emergency responders rely heavily on this mapping technology to locate incidents. Accurate data is imperative for emergency responders. A crucial element of 911 PSAP operations

is to ensure the GIS map data, ALI database, and MSAG are maintained properly for accurate 9-1-1 call plotting. This grant project will provide Wise County with industry standard hardware and software necessary to keep the GIS data up-to-date. This project will be used to provide continued services of the GIS mapping capability, connectivity, and data that is already being used on a daily basis in the Wise County 911 PSAP. Funding supports the second phase of upgrading technically out of date networking equipment for the primary mapping servers and workstations. In fiscal year 2009-2010 funding was awarded for the purchase of a new mapping server for the GIS data and a new server for updated dispatch mapping software. After installing the servers and beginning the configuration process it was discovered that there is a severe bottleneck in the network and maxed out routers that have been discontinued and are coming to the end of support life cycle in 2011. To alleviate these bottlenecks and discontinued/out of service equipment funding is being requested for updated switches, uplink cabling, and fiber installation between the primary mapping servers and workstations. According to a Network Assessment that was conducted by SyCom Technologies "The current Wise County network topology uses the "router on a stick" concept. The 2600 series router has one physical interface and several sub interfaces; all VLAN's are trunked over that one interface. This particular design is outdated and a Layer 3 switch is the recommended replacement for best practice in this scenario." It was also recommended that existing 2950 switches be replaced as well. The 2950s have been identified as coming to the end of support life cycle in 2011. The goal of this effort is the continued timely creation, maintenance, and enhancement of an integrated public safety mapping system for the PSAP and to analyze the performance of the system in supporting operations and planning. Wise County has the following objectives which were obtained from the GIS Strategic Plan:

- Provide dispatchers and emergency responders with the most current and accurate mapping data in order to assist with emergency response
- Strive for continued improvement of data standards and accuracy of the public safety mapping data system
- Automate update procedures to public safety mapping data
- Continue to combine the valuable GIS resources from Wise County with the PSAP as well as Emergency Response Organizations and Regional PSAPs Implementation plan

The following tasks have been completed or are currently in the process:

- A 911 structure point address and road centerline database exists and is being utilized in the PSAP (Spring 2008)
- Install addressing and MSAG tools for the in house maintenance of the data as the county becomes E-911 verified (Spring 2010)
- Creation of Standard Operating Procedures for quality control of the PSAP mapping data and an automated synchronization of the MSAG, ALI, and Map databases (Spring 2010)
- Update of PSAP mapping software and hardware (Fall 2009)
- Upgrade of existing network equipment to current industry standards (Fall 2010)

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

Wise County is seeking to utilize hosted CAD and CPE equipment with Dickenson County, Lee County, and the City of Norton. Having accurate and current PSAP mapping in place will ease the transition of consolidation or combining the datasets in the future. Also having current industry standard hardware and software in place will insure that regional sharing of mapping data and resources can continue into the future.

Budget and Budget Narrative:

Wise County respectfully submits the following narrative description of the proposed budget in its application for Wireless Service Board FY11 funding. This project will be used to provide continued services of the GIS mapping capability, connectivity, and data that is already being used on a daily basis in the Wise County 911 PSAP. Funding supports the second phase of upgrading technically out of date equipment for the primary mapping servers and workstations. The grant request totals \$45329 The current networking equipment is the Cisco Catalyst G2950-48 which is a discontinued model and the Cisco 2610XM with only one 100MB port -- "router on a stick", which is being maxed out (CPU and throughput). The Cisco Catalyst G2950-48 has been identified as having a Last Date of Support in 2011. The setup is a bottleneck and this along with the slow shared DS1 circuit is the main reason for our internet connection issues. The Sycom engineer recommended a 48-port Layer 3 gigabit switch to combine the router and switch along with a separate and higher capacity internet circuit in order to alleviate the problems. Much better network response times are anticipated by replacing this equipment. In many instances the updates "time out" and have to be restarted or reran which can cause mapping problems in the dispatch mapping by only copying partial mapping files. Wise County is coming to the end of their Wireline Project and expects to be E-911 verified in FY10. At that time Wise County will assume the responsibility of maintaining the MSAG and total maintenance of the 911 addressing. Currently Wise County relies on Timmons Group for MSAG and address

maintenance. However Wise County will be taking over the maintenance in-house and needs a reliable network for updating data. "Time-outs" and slow response times of the map generation really slows address and road maintenance. The large files including the VGIN Orthophotography can really put a strain on a sluggish network. Funding is being requested for new 48 port switches and maintenance along with an interface converter and patch cables, installation and service; and remote backup of GIS data;

Evaluation:

Objective: Continued improvement of data standards and accuracy of public safety mapping data Measure: Review of Data Report Card and Standard Operating Procedures for 911 addressing & public safety mapping on a quarterly basis Objective: Automate update procedures of public safety mapping data Measure: Communication with the technical staff of the PSAP and County as well as the vendors of software and equipment for automating processes and procedures to maximize productivity Objective: Provide dispatchers and emergency responders with the most current and accurate mapping data in order to assist with emergency response Measure: Meet with Fire and Rescue Associations to insure the responders have the proper maps and data for emergency response Objective: Continue to combine the valuable GIS resources from Wise County with the PSAP as well as Emergency Response Organizations and Regional PSAPs Measure: Meeting with Emergency Response Organizations and communicating with PSAP and GIS offices on a regular basis

Attachments

PSAP Grant Program Grant Ranker

View Application--74--Waynesboro CAD Upgrade

Grant Period: 2011

Tier: Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)

Grant Program: Continuity and Consolidation **Grant Type:** Individual PSAP

Priority: Computer-Aided Dispatch (**CAD**)

Primary PSAP Applicants: Waynesboro 9-1-1 Communications

Jurisdictions Served: Waynesboro, City of

Project Director:

Gary Critzer

Director

250 S. Wayne Ave. Suite 301

540-942-6698 (phone)

540-942-6521 (fax)

critzergp@ci.waynesboro.va.us

Project Description:

Total Project Cost \$149,990.00

Amount Requested: \$149,990.00

Statement of Need:

Currently use Motorola (formerly CRISNET) NETCAD and CRIS products. Products are technically outdated and do not meet current needs of the PSAP. Support, while obtainable, is difficult to obtain. System does not support mobile, paging, or VCIN interfaces. Seeking to upgrade to OSSI CAD system which will allow all these features as well as enhance the regional interface with Staunton and Augusta PSAP's with which we share a great deal of data and currently use OSSI CAD systems. The three PSAP's also provide back-up to one another should a PSAP have to be evacuated and having the same CAD will allow for improved continuity during those times.

Comprehensive Project Description:

Replace existing CAD system which is technically outdated with a CAD that allows for VCIN interface, paging, and mobile applications. The project will have ongoing maintenance and software support from local government resources.

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

It will support current and future VCIN/NCIC interfaces, work with mobile data applications, and allow for enhanced data sharing with neighboring PSAP's in Staunton and Augusta. Through a data sharing agreement improved system redundancy could exist.

Budget and Budget Narrative:

See attached vendor quote. This is a turn key CAD upgrade using some existing hardware.

Evaluation:

Evidence of improved operational efficiencies via data sharing and redundancy will improve overall regional effectiveness in managing 911 calls for service and possibly reduce or eliminate transfers of callers by using a CAD to CAD dispatch interface.

Attachments

CADOnly-BudgetQuote-11-24-09.pdf

SUNGARD[®] PUBLIC SECTOR

Budgetary Quote

Date	Quote #	Acct Mgr
11/24/09	MFGMQ1858	Mike Martin

Quote Prepared For:

City of Waynesboro
 Gary Critzer
 250 S. Wayne Ave
 Suite 301
 Waynesboro, Virginia 22980
 Phone: 540-942-6698

STAND-ALONE CAD SYSTEM

Qty	Part Number	Product Description	Unit Price	Extended Price	Annual Maintenance
<i>Computer Aided Dispatch</i>					
1	CAD-T1	BASE COMPUTER AIDED DISPATCH SYSTEM TIER-1	\$27,300	\$27,300	\$4,914 7x24
2	CAD-CON-T1	ADDITIONAL CAD CONS.LIC.(4 Total CAD Consoles)	\$2,600	\$5,200	\$936 7x24
1	CAD-E911-T1	E911 INTERFACE MODULE	\$4,500	\$4,500	\$810 7x24
1	CAD-MAP-T1	FIRST CAD MAP DISPLAY AND MAP MAINTENANCE SOFTWARE LICENSE	\$3,500	\$3,500	\$630 7x24
3	CAD-MAPD-T1	ADDITIONAL CAD MAP DISPLAY LICENSE	\$1,000	\$3,000	\$540 7x24
1	CAD-PG-T1	ALPHA NUMERIC PAGING MODULE	\$4,500	\$4,500	\$810 7x24
1	CAD-INT-PG-T1	SUNGARD OSSI'S INTERFACE TO PAGEGATE	\$1,000	\$1,000	\$180 7x24
1	CAD-MRM-T1	CAD RESOURCE MONITOR DISPLAY LICENSE WITH MAPS	\$1,000	\$1,000	\$180 7x24
1	MCT-SWI	STATE/NCIC MESSAGING SOFTWARE	\$20,000	\$20,000	\$3,600 7x24
4	MCT-MIS	LAN CLIENT LICENSE FOR MESSAGE SWITCH	\$300	\$1,200	\$216 7x24
1	DISCOUNT	DISCOUNT	-\$11,480	-\$11,480	\$0
				SubTotal:	\$59,720
<i>CAD Implementation Services</i>					
1	CAD-PROJ-MGNT	CAD PROJECT MANAGEMENT	\$7,200	\$7,200	- n/a
1	CAD-IMPL	BASE CAD SOFTWARE IMPLEMENTATION	\$9,600	\$9,600	- n/a
1	CAD-INST	BASE CAD SOFTWARE INSTALLATION	\$9,100	\$9,100	- n/a
1	MCT-SWI-IMPL	IMPLEMENTATION OF BASE MESSAGE SWITCH	\$1,400	\$1,400	- n/a

Qty	Part Number	Product Description	Unit Price	Extended Price	Annual Maintenance	
1	MCT-SWI-INST	INSTALLATION OF BASE MESSAGE SWITCH	\$2,800	\$2,800	-	n/a
1	CAD-MAP-CONV	MAP BASED GEOFILE GENERATION	\$20,000	\$20,000	-	n/a
1	CAD-MAP-EDTRN	MAP EDITOR TRAINING	\$3,600	\$3,600	-	n/a
1	CAD-MNT-TRN	CAD MAINTENANCE TRAINING	\$4,800	\$4,800	-	n/a
2	CAD-USR-TRN	CAD USER TRAINING	\$4,800	\$9,600	-	n/a
1	CAD-PROF-ADD	ADDITIONAL PROFESSIONAL SERVICES	\$1,200	\$1,200	-	n/a
1	CAD-TE	TRAVEL EXPENSES FOR CAD SERVICES	\$2,000	\$2,000	-	n/a
1	CAD-LE	LIVING EXPENSES FOR CAD IMPLEMENTATION SERVICES	\$3,500	\$3,500	-	n/a
			SubTotal:	\$74,800		
CAD Application Server						
1	HWR-SERV-APP-LVR	Base Application Server	\$4,600	\$4,600	-	n/a
1	THP-MS-WIN2003STD	Windows Server 2003 R2 Standard Edition	\$548	\$548	-	n/a
1	THP-MS-SQLSTDPROC	Microsoft SQL Server 2005 Standard Edition CPU License	\$4,523	\$4,523	-	n/a
1	TCH-INSTALL-SERV	Implementation Services for Application Server	\$1,400	\$1,400	-	n/a
			SubTotal:	\$11,071		
Miscellaneous Hardware and System Software						
4	HWR-MATROX-P690LPe	Matrox P690 Plus LP PCIe x16 Video Card	\$258	\$1,033	-	n/a
1	THP-PAGEGATE	PageGate Network Paging Software	\$565	\$565	-	n/a
Miscellaneous Implementation Services						
2	TCH-INSTALL-ONSITE	On-Site Installation for Application Servers	\$1,400	\$2,800	-	n/a
			Total:	\$149,990	\$12,816	

This quote is valid until 08/31/10

PSAP Grant Program Grant Ranker

View Application--75--PATRICK COUNTY-COMPUTER AIDED DISPATCH (CAD)

Grant Period: 2011

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:** Individual PSAP

Priority: Computer-Aided Dispatch (**CAD**)

Primary PSAP Applicants: Patrick County

Jurisdictions Served: Patrick, County of

Project Director:

Mickie Martin
E911 Coordinator
P.O. Box 933
276-694-3161 (phone)
276-694-5033 (fax)
mmartinpcso@kimbanet.com

Project Description:

Total Project Cost \$28,700.00

Amount Requested: \$28,700.00

Statement of Need:

We are requesting funds to purchase two CAD systems to include all software, hardware and installation. Patrick County currently has two dispatch positions. It is our desire to expand our center to four positions. This will allow our center to handle emergency calls in a more timely manner during peak times or major emergencies. This will also provide backup positions for the dispatchers in case of equipment failure at one of the positions. If we loose one position in dispatch due to equipment malfunction, our ability to process calls in a timely manner is compromised as we have no other position to utilize. With current budget constraints that we are facing, it is not possible to fund the purchase of this critical equipment without the assistance of the Virginia Wireless Services Board.

Comprehensive Project Description:

This project requires the purchase of two new CAD systems. It is our goal to expand our dispatch center to four full positions. We currently have two positions that includes, radio consoles, CAD, mapping and CPE. We currently have funding to purchase new radio consoles and mapping and are in the process of obtaining funding for CPE. The last key piece we are missing is the CAD system. These new positions will be used by extra personnel in situations that generate a high volume of calls, for backup positions for our center as well as for our neighboring counties and for training purposes. We are committed to investing the time and effort required to support the project initiatives and to insure that the project milestones and goals are met

or exceeded. The equipment will be supported and maintained by Patrick County.

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

Upon implementation of this proposed project, our dispatch center will have the capability to provide more efficient call processing during major emergency calls. This will further enhance our goal to establish a regional backup center with Franklin County.

Budget and Budget Narrative:

The total costs to fund this project is estimated at \$28,700. This includes: System software licensing \$15,000, CAD workstations with monitors \$3,300, Network printers \$650, Installation/configuration \$750 5 years maintenance \$9,000.

Evaluation:

The loss of one position at our center greatly impacts our call processing. Equipment failures sometimes requires parts to be shipped and positions are down for several days. To expand our center from two positions to four will allow for backup, training, increase our capacity to handle high volume calls in times of a major disaster. This creates less stress on the calltaker as well as provides a better service to our citizens and the public passing through our county. More efficient call processing will be our measure for success.

Attachments

PSAP Grant Program Grant Ranker

View Application--76--PATRICK COUNTY - TIME SYNCHRONIZATION

Grant Period: 2011

Tier: Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)

Grant Program: Continuity and Consolidation **Grant Type:** Individual PSAP

Priority: Time Synchronization (**TIME SYNCH**)

Primary PSAP Applicants: Patrick County

Jurisdictions Served: Patrick, County of

Project Director:

Mickie Martin
E911 Coordinator
P.O. Box 933
276-694-3161 (phone)
276-694-5033 (fax)
mmartinpcso@kimbanet.com

Project Description:

Total Project Cost \$10,752.00

Amount Requested: \$10,752.00

Statement of Need:

We are currently using a Spectracom Netclock that was installed in 1999. Due to budget constraints it is not possible to fund the replacement of this critical equipment with the assistance of the Virginia Wireless Services Board Grant Program. We have previously requested funding from the Wireless Services Board for this project but was not approved because this project did not meet the guidelines of the program at that time. Since then the grant guidelines have been expanded to include this type project. We currently do not have any other funding sources for this project. If this project is approved, we will maintain this system from local funds.

Comprehensive Project Description:

We are requesting funding to replace our current Spectracom Netclock that was installed in 1999 and is technically outdated. If this grant is approved we will purchase and install a time synchronization system that will interface with: CPE, CAD, RMS, recording and radio systems. This will insure consistency of time stamps added to event records, reports, and voice recordings. All systems will be synchronized with a master clock.

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

Today's networks and computer systems require time sensitive data for such tasks as logging events, records management, network optimization and troubleshooting, and synchronizing operations. The

installation of this system will keep us current with today's standards as well as future technologies,

Budget and Budget Narrative:

The total cost for this project is estimated to cost \$10,752. Netclock/GPS master clock \$4,295, OCXO Oscillator \$695, Premium support package \$749, digital displays \$2,535, installation and misc, \$2,478. Total is for complete system with five years support.

Evaluation:

With the installation of this new system, all components of our 911 system will be synchronized with a master clock. The project will be evaluated by having each system reporting the same time stamp for each incident. This is valuable information in court cases as well as properly documenting time frames for calls for service.

Attachments

PSAP Grant Program Grant Ranker

View Application--77--Training Dispatch Console

Grant Period: 2011

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

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

Priority: Radio consoles (**CONSOLES**)

Primary PSAP Applicants: Hanover County ECC

Jurisdictions Served: Ashland, Town of

Project Director:

Rodney Gentry, ENP
Support Division Manager
7501 Library Drive
804-365-6162 (phone)
804-365-6300 (fax)
rlgentry@co.hanover.va.us

Project Description:

Total Project Cost \$111,300.00

Amount Requested: \$111,300.00

Statement of Need:

To enhance the training and dispatching for new hire dispatchers, Hanover County would like to have a functioning dispatch console in its Training Breakout room. This would provide a functioning console for training, scenario, and provide a back up console. Additionally, this console would be located in our back-up EOC, and can serve as a resource during crisis. It enhances our ability to practice wireline and wireless 911 calls, CAD interfacing, call processing, and dispatching.

Comprehensive Project Description:

Hanover County is seeking funding to support a fully functional dispatch console. This console will enhance in-house training, as it will encompass current equipment that the dispatchers use daily on the live dispatch floor. Training is supported as it offers the same interaction as a normal dispatch console would be. This console will contain: CAD, CAD mapping, Positron VIPER answering position, Motorola MCC7500 dispatch console, Priority Dispatch EMD and EFD interfaces, and playback recording.

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

This console, as with all of Hanover's consoles in its new dispatch center offer the latest in technology. This console will be equipped with a P25 dispatch radio console, and a NG911 capable phone answering position.

Budget and Budget Narrative:

Motorola MCC7500 Dispatch Console = \$47,000; CAT5 homeruns/data drops x8 @\$150ea. = \$1200; Console Furniture Setup = \$2,000; Extending the Ground Ring = \$2,800; Extending UPS power circuits = \$3,000; Positron VIPER answering position = \$40,500; CAD Equipment (hardware) = \$5,800; Priority Dispatch Software licenses (EMD/EFD) = \$7,600; Monitor rack arrays = \$1.400.

Evaluation:

This project will be measured instantly with a functioning training dispatch console. The console will be capable of being live, and in a test environment. All new hires/dispatchers will be trained on this console. Additionally this console will allow for in-service for existing dispatchers on functionality, TTD, Wireless Phase 2, scenarios, etc...

Attachments

Wireless Board Grant Request 2011 - 121509.doc
--

Hanover County
Emergency Communications



***2011 Virginia Wireless
E911 Services Board's
PSAP Grant Request***

Prepared by:

Rodney Gentry, ENP
Support Division Manager
December 15, 2009

Table of Contents:

- I. Executive Summary
- II. Statement of Need
- III. Project Description
- IV. Budget and Budget Narrative
- V. Evaluation Plan
- VI. Appendices
 - a. Budgetary Costs



I. Executive Summary:

Hanover County is a Primary PSAP that supports Wireless E911 for the citizens of Hanover County, and the Town of Ashland Virginia. It is the intent of this Grant Request to formerly ask the Wireless E911 Service Board's consideration for Hanover County to purchase and install a training dispatch console under the "Strengthen current equipment and service delivery capability".¹

Hanover County serves over 470 square miles, with a population of over 100,000 citizens including the Town of Ashland. Over the past 3 years, Hanover Emergency Communications Center (ECC) received over 26,000 911 Wireless Calls. This accounted for over 55% of the total number of 911 calls the ECC received over the past 3 years. Hanover ECC has built a new 911 Center. This center has the latest Motorola Radio Console, Positron VIPER CPE system, as well as CAD, CAD Mapping, and Priority Dispatch EMD and EFD. This is the reason behind the request for Hanover County to the Wireless E911 Services Board for \$111,300. This request reflects 100% of the projected cost for the new system.

II. Statement of Need:

To enhance the training and dispatching for new hire dispatchers, Hanover County would like to have a functioning dispatch console in its Training Breakout room. This would provide a functioning console for training, scenario, and provide a back up console. Additionally, this console would be located in our back-up EOC, and can serve as a resource during crisis. It enhances our ability to practice wireline and wireless 911 calls, CAD interfacing, call processing, and dispatching.

Based on the budgetary cost provided by Motorola, Verizon (Positron), and County IT the cost of the project will be approximately \$111,300. Hanover County ECC is requesting, through its Grant Program, the Wireless Services Board's consideration is assisting with the cost of this new console. If awarded, the \$111,300 will be applied to the final cost of the newly installed, tested,

¹ Grant Guidelines for Virginia Wireless E911 Services Board's PSAP Grant Program (pg 12)



and accepted dispatch console which would be installed in Q3 2010.



Appendix A

Quotes Provided by specific Vendors as of 12/1/09:

Motorola: (equipment list can be provided – CONFIDENTIAL)	= \$47,000
Priority Dispatch Licenses	= \$7,600
Positron/Verizon	= \$40,500
Electrical Services	
-Grounding Ring	= \$2,800
-Extending UPS circuits	= \$3,000
Console Furniture	
-Setup	= \$2,000
-Monitor Racks	= \$1,400
County IT Hardware	= \$5,800
CAT5 Network Cable Installation (x8 drops @ \$150ea.)	= \$1,200

PSAP Grant Program Grant Ranker

View Application--78--Isle of Wight Netclock Replacement

Grant Period: 2011

Tier: Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)

Grant Program: Continuity and Consolidation **Grant Type:** Individual PSAP

Priority: Time Synchronization (**TIME SYNCH**)

Primary PSAP Applicants: Isle of Wight Sheriff's Office

Jurisdictions Served: Isle of Wight, County of
Smithfield, Town of
Windsor, Town of

Project Director:

Diane Jones
ECC Manager
17110 Monument Circle, Suite C
757-365-6290 (phone)
757-357-0706 (fax)
djones@iwus.net

Project Description:

Total Project Cost \$10,000.00

Amount Requested: \$10,000.00

Statement of Need:

Replacing the Netclock will synchronize time among the various systems in use in the 911 PSAP, allowing for accurate record keeping and searching of historical data. Currently, searching out an event in history and reconstructing it is more time-consuming than it needs to be and the resulting reconstructions of events require a letter of explanation to go with the recordings and documentation, to explain why there is a 2 to 3 minute discrepancy in time stamps when the recording plainly shows the call being dispatched while the caller was still on the phone. The County has suffered revenue loss this year due to Smithfield Foods closing one of their plants in Smithfield and International Paper discontinuing operations at their plant in Franklin. This has left many of our citizens unemployed, creating a greater drain on County resources at exactly the time that revenues are decreasing. Without grant funding it is unlikely the equipment will be upgraded. PSAP would be required to wait until the equipment shuts all the way down and requires emergency replacement.

Comprehensive Project Description:

Netclock replacement: Current netclock equipment is out of date and our IT staff recommends replacement as soon as practical in order to properly synchronize the systems in the PSAP. Project would require hardware, software, and installation to interface with all current systems.

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

A requirement for the project is that the system proposed be capable of upgrades to support emerging technologies without major equipment overhaul. It is further required that the system proposed be scalable, preferably modular, such that future expansions are simple and cost effective.

Budget and Budget Narrative:

See attachments

Evaluation:

The project will be deemed successful when all equipment is installed and times are synchronized between the CAD, 911 CPE, and radios.

Attachments

Netclock quote.doc



QUOTE

95 Methodist Hill Drive
Rochester, NY 14623
Phone 585.321.5800 Fax 585.321.5219

QUOTE #: 09-004419/1
DATE: 12/1/2009

sales@spectracomcorp.com
www.spectracomcorp.com

TO: Diane Jones
Isle of Wight Emergency Communications
PO Box 80
Isle of Wight, VA
United States

FROM: Mike Messina
Technical Sales Rep
(585) 321-5850 (direct)
mmessina@spectracomcorp.com

QTY	MODEL #	DESCRIPTION	UNIT PRICE	LINE TOTAL
1	9383-05	NetClock/GPS Stratum 1 time source with built-in Ethernet connectivity and NTP server with web browser interface. MIL-STD-810F tested chassis includes front panel displays, 19" width (1U high) and rack mounting ears with handles. RoHS and CE compliant. Oven controlled Crystal Oscillator (OCXO) option replaces TCXO for 9383 or 9389. Delivered in 19" wide 1U NetClock unit. Includes rack mounting ears. Provides up to 1 month of holdover in the event the GPS signal is unavailable.	\$ 4,990	\$ 4,990
2	9388	Stratum 1 when synchronized via RS-485 time code from a NetClock. MIL-STD-810F tested chassis includes rear panel Ethernet connector, lock-down power connector, 19" width (1RU) and rack mounting ears with handles. RoHS and CE compliant.	\$ 1,495	\$ 2,990
			TOTAL	\$ 7,980

TERMS AND CONDITIONS INCLUDE

Availability: Stock to 4 weeks after acceptance of order

Payment: 30 days net (with approved credit)

Warranty: 5-year limited warranty

Pricing: All pricing is in US Dollars (\$)

FOB: Rochester

Shipping Charges: Prepaid and added to the invoice

Quote Validity: 30 Days after quote is issued

Installation: Not included in proposal

***Spectracom's standard terms and conditions of sale will apply.

PSAP Grant Program Grant Ranker

View Application--79--isle of Wight Call Taker Positions

Grant Period: 2011

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:** Individual PSAP

Priority: CPE (CPE)

Primary PSAP Applicants: Isle of Wight Sheriff's Office

Jurisdictions Served: Isle of Wight, County of
Smithfield, Town of
Windsor, Town of

Project Director:

Diane Jones
ECC Manager
17110 Monument Circle, Suite C
757-365-6290 (phone)
757-357-0706 (fax)
djones@iwus.net

Project Description:

Total Project Cost \$130,000.00

Amount Requested: \$120,000.00

Statement of Need:

The additional workstations will permit call-takers to process 911 calls with NG capable CPE comparable to that being used in the existing 911 PSAP. Without them the lines would end up routed to regular desk-set phones with no ability to map location for wireless calls and no interface to the rest of the 911 equipment. Replacing the Netclock will synchronize time among the various systems in use in the 911 PSAP, allowing for accurate record keeping and searching of historical data. Replacing the logging recorder will enhance the ability to capture 911 calls in accordance with state mandates. The current recorder is well past its lifespan and becoming hard to service. The County has suffered revenue loss this year due to Smithfield Foods closing one of their plants and International Paper discontinuing operations at their plant. This has left many of our citizens unemployed, creating a greater drain on County resources at exactly the time that revenues are decreasing. Without grant funding it is unlikely the equipment will be upgraded. The PSAP would just continue to fall farther behind technologically until the equipment shuts all the way down and requires emergency replacement.

Comprehensive Project Description:

Additional workstations: The 911 CPE is being replaced this year to bring it onto IP based NG capable workstations. This improves the capability of the system but does nothing to address increasing call volume. Project would require hardware and software to replicate existing workstations and fully integrate

the new workstations with the PSAP equipment.

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

A requirement of all vendors for the projects is that the systems proposed be capable of upgrades to support emerging technologies without major equipment overhaul. It is further required that systems proposed be scalable, preferably modular, such that future expansions are simple and cost effective.

Budget and Budget Narrative:

See attachments

Evaluation:

The project will be deemed successful when the total number of call taker positions is increased from 4 to 6 with full next generation capability.

Attachments

Isle of Wright two positions customer 100509.rtf
--



Quote Header: Quote Level Title/Description:

Account Manager	Customer Name	Quote #	Revision
	ISLE OF WIGHT COUNTY (VA) 911	1-250G6Z	1

Primary Transport Service	Quote Date	SE
	10/05/2009	AINSWORTH SEWELL

Equipment & Services by Site:

Site Level Title/Description:	Maintenance Payment Option: Prepaid
--------------------------------------	--

Site ID: 1-250GD5

Site Address:	Bill To:	Ship To:
E911 ISLE OF WIGHT COUNTY 17110 MONUMENT CIR EMPORIA ROCKWELL 911 SCX SHERIFF DEPT ISLE OF WIGHT, VA, 23397 USA	E911 ISLE OF WIGHT COUNTY PO BOX 80 EMPORIA ROCKWELL 911SCX ISLE OF WIGHT, VA, 233970080 USA	E911 ISLE OF WIGHT COUNTY 17110 MONUMENT CIR EMPORIA ROCKWELL 911 SCX SHERIFF DEPT ISLE OF WIGHT, VA, 23397 USA

<u>Part Number</u>	<u>Material Code</u>	<u>Description</u>	<u>Qty</u>	<u>Unit Sale Price</u>	<u>Extended Sales Price</u>
--------------------	----------------------	--------------------	------------	------------------------	-----------------------------

(1) VESTA PALLAS SYSTEM-ADDS

862306-00201	73003253	TELEPHONE 16-BUTTON	2	\$313.40	\$626.80
862308-00801	73030625	T24-24 BUTTON KIM	2	\$260.93	\$521.86
872399-00101	73008527	LAN CTE, 1 SEAT	2	\$108.45	\$216.90
809800-80400	73004811	PALLAS STAGING PER POS	2	\$2,081.25	\$4,162.50
870899-03012.6	11067069	VP2.6 FOR PALLAS PBX4.0	2	\$11,715.00	\$23,430.00
870899-03102.6	73106396	VP 2.6 LICENSE ONLY	2	\$11,715.00	\$23,430.00
61000-F204801X	73186484	WKST INTG HP XW4600 XP	2	\$2,274.36	\$4,548.72
65000-00254	73192733	GRAPHICS PCI-E DUAL/QUAD	2	\$387.64	\$775.28
04000-01053	73181932	CBL ANALOG QUAD UPGRD	2	\$163.44	\$326.88
63000-192808	73213277	MNTR 19IN FP	2	\$449.83	\$899.66
04000-0LX44	593124	4-CHANNEL, PCI SOUND CARD	2	\$791.24	\$1,582.48



Site Level Title/Description:

Maintenance Payment Option: Prepaid

Site ID: 1-250GD5

Site Address:

E911 ISLE OF WIGHT COUNTY
17110 MONUMENT CIR
EMPORIA ROCKWELL 911 SCX
SHERIFF DEPT
ISLE OF WIGHT, VA, 23397
USA

Bill To:

E911 ISLE OF WIGHT COUNTY
PO BOX 80
EMPORIA ROCKWELL 911SCX
ISLE OF WIGHT, VA, 233970080
USA

Ship To:

E911 ISLE OF WIGHT COUNTY
17110 MONUMENT CIR
EMPORIA ROCKWELL 911 SCX
SHERIFF DEPT
ISLE OF WIGHT, VA, 23397
USA

<u>Part Number</u>	<u>Material Code</u>	<u>Description</u>	<u>Qty</u>	<u>Unit Sale Price</u>	<u>Extended Sales Price</u>
850808-00702	73030616	AUDIO CONTROL UNIT (ACU)	2	\$2,942.94	\$5,885.88
64007-50014	73079879	KEYPAD, 24 KEY PS2/USB	2	\$143.19	\$286.38
04000-01036	73140196	SWITCH KVM 2-PORT USB	2	\$135.96	\$271.92
809800-90001	493369	V WKSTN CFG PEI	2	\$1,233.50	\$2,467.00
870810-00602	507797	VIRR PHN/RAD MOD	2	\$1,495.00	\$2,990.00
862309-00302	11067073	PBX4.0 BASE UNIT L/L RDNT	1	\$8,707.73	\$8,707.73
862309-00402	11067074	PBX 4.0 EXPAN SHLF RDNT	1	\$3,862.10	\$3,862.10
872399-00101	73008527	LAN CTE, 1 SEAT	6	\$108.45	\$650.70
809800-80401	73004810	PALLAS CFG	1	\$5,380.00	\$5,380.00
(2) AURORA - MIS					
873399-00101.0	73203451	AURORA 1.0 DOC/LIC/MED	1	\$2,892.80	\$2,892.80
873391-00201	73203452	AURORA COLL LIC	4	\$1,157.12	\$4,628.48
873391-00301	73203453	AURORA USER LICENSE	1	\$1,084.80	\$1,084.80
04000-00284	73138615	SQL 2005 CAL RUNTIME STD	1	\$98.71	\$98.71
62030-J409601	73248345	ML350 G5 SVR TOWER	1	\$3,587.27	\$3,587.27
64000-20046	73144608	HARD DRIVE 146GB SAS 10K	3	\$532.32	\$1,596.96
04000-00067	73185104	KIT BACKUP SATA 500GB	1	\$512.03	\$512.03



Site Level Title/Description:

Maintenance Payment Option: Prepaid

Site ID: 1-250GD5

Site Address:

E911 ISLE OF WIGHT COUNTY
17110 MONUMENT CIR
EMPORIA ROCKWELL 911 SCX
SHERIFF DEPT
ISLE OF WIGHT, VA, 23397
USA

Bill To:

E911 ISLE OF WIGHT COUNTY
PO BOX 80
EMPORIA ROCKWELL 911SCX
ISLE OF WIGHT, VA, 233970080
USA

Ship To:

E911 ISLE OF WIGHT COUNTY
17110 MONUMENT CIR
EMPORIA ROCKWELL 911 SCX
SHERIFF DEPT
ISLE OF WIGHT, VA, 23397
USA

<u>Part Number</u>	<u>Material Code</u>	<u>Description</u>	<u>Qty</u>	<u>Unit Sale Price</u>	<u>Extended Sales Price</u>
63002-172802	73032257	MNTR, 17IN FP BK	1	\$448.38	\$448.38
04000-00355	73130807	SVR WIN 2003 + 5CAL	1	\$1,497.02	\$1,497.02
04000-00284	73138615	SQL 2005 CAL RUNTIME STD	4	\$98.71	\$394.84
809800-01416	73234053	MIS SVR CFG	1	\$782.50	\$782.50
61000-F204801X	73186484	WKST INTG HP XW4600 XP	1	\$2,274.36	\$2,274.36
63000-192808	73213277	MNTR 19IN FP	1	\$449.83	\$449.83
809800-19001	526264	MAGIC CONFIG SERVICE	1	\$361.60	\$361.60
06500-55053-S	936850	RACK, EQUIP SERVER 19INCH	1	\$1,317.67	\$1,317.67
06500-19150	73008530	SHELF RACK, DBL BLK 19IN	1	\$283.49	\$283.49
65000-00002	492014	CBL PATCH 3FT, PNL TO SW	1	\$10.00	\$10.00

(3) MANAGED SVCS - NET EQUIP

809800-00201	73030033	VPN CONFIG SERVICE	1	\$300.00	\$300.00
06500-19150	73008530	SHELF RACK, DBL BLK 19IN	1	\$283.49	\$283.49
65000-00002	492014	CBL PATCH 3FT, PNL TO SW	1	\$10.00	\$10.00

(5) INSTALLATION / PROF SCVS

E911-MINORMATERIALS	E911 MINOR MATERIALS	1	\$2,500.00
E911 LABOR R	E911 LABOR - OFFICE HOURS	1	\$12,000.00

Quote # 1-250G6Z

ALL PRICING IS VALID UNTIL: 11/20/2009

PRICES DO NOT INCLUDE TAXES

VERIZON PROPRIETARY INFORMATION

THE EQUIPMENT LISTED ON THIS QUOTE IS SOLELY FOR DOMESTIC USE IN THE UNITED STATES



Site Level Title/Description:

Maintenance Payment Option: Prepaid

Site ID: 1-250GD5

Site Address:

E911 ISLE OF WIGHT COUNTY
 17110 MONUMENT CIR
 EMPORIA ROCKWELL 911 SCX
 SHERIFF DEPT
 ISLE OF WIGHT, VA, 23397
 USA

Bill To:

E911 ISLE OF WIGHT COUNTY
 PO BOX 80
 EMPORIA ROCKWELL 911SCX
 ISLE OF WIGHT, VA, 233970080
 USA

Ship To:

E911 ISLE OF WIGHT COUNTY
 17110 MONUMENT CIR
 EMPORIA ROCKWELL 911 SCX
 SHERIFF DEPT
 ISLE OF WIGHT, VA, 23397
 USA

<u>Part Number</u>	<u>Material Code</u>	<u>Description</u>	<u>Qty</u>	<u>Unit Sale Price</u>	<u>Extended Sales Price</u>
TRIP CHARGE		TRIP CHARGE	1		\$1,105.00
PS - CCS - E911 SUBSVC 809800-17101 - FIELD ENG-PRIMARY – AURORA - MIS		PS - E911- PLANT CML – Professional Scvs.	1	\$12,800.00	\$12,800.00

Site 1-250GD5 Sub Totals

Equipment:	\$113,837.02
Installation & Prof Scvs. Labor:	\$25,905.00
PlantCML sw Support Scvs-1yr:	\$8,789.00
Minor Materials:	\$2,500.00
Trade In:	\$0.00
Site Total:	\$151,031.02
Shipping & Handling Total:	\$1,359.10
Site Total with Shipping & Handling:	\$152,390.12



<u>Total Extended Sales Price</u>	
Equipment:	\$113,837.02
Installation & Prof Scvs. Labor:	\$25,905.00
PlantCML sw Support Scvs-1yr:	\$8,789.00
Minor Materials:	\$2,500.00
Trade In:	\$0.00
Grand Total:	\$151,031.02
Shipping & Handling Total:	\$1,359.10
Grand Total with Shipping & Handling:	\$152,390.12

**Other - The Other totals include miscellaneous charges including Minor Materials, Expedites, and special fees.*

PSAP Grant Program Grant Ranker

View Application--80--Isle of Wight Logging Recorder

Grant Period: 2011

Tier: Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)

Grant Program: Continuity and Consolidation **Grant Type:** Individual PSAP

Priority: Voice Recorders and logging system (**VOICE**)

Primary PSAP Applicants: Isle of Wight Sheriff's Office

Jurisdictions Served: Isle of Wight, County of
Smithfield, Town of
Windsor, Town of

Project Director:

Diane Jones
ECC Manager
17110 Monument Circle, Suite C
757-365-6290 (phone)
757-357-0706 (fax)
djones@iwus.net

Project Description:

Total Project Cost \$27,000.00

Amount Requested: \$20,000.00

Statement of Need:

Replacing the logging recorder will maintain the ability to capture 911 calls in accordance with State mandates. The current recorder is well past its lifespan and becoming hard to service. The County has suffered revenue loss this year due to Smithfield Foods closing one of their plants in Smithfield and International Paper discontinuing operations in Franklin. This has left many of our citizens unemployed, creating a greater drain on County resources at exactly the time that revenues are decreasing. Without grant funding it is unlikely the equipment will be replaced and will continue to be inadequate to the task. The PSAP would just continue to fall farther behind technologically until the equipment shuts all the way down and requires emergency replacement.

Comprehensive Project Description:

Logging recorder upgrade: Project would replace the current recorder with an updated recorder capable of capturing the types of data now coming into the PSAP including TTY, telematics and voice, and would be capable of being upgraded to capture NG data such as video and text. Project would be for hardware, software, installation, and integration with existing systems.

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

A requirement of all vendors for the project is that the systems proposed be capable of upgrades to support

emerging technologies without major equipment overhaul. It is further required that systems proposed be scalable, preferably modular, such that future expansions are simple and cost effective.

Budget and Budget Narrative:

Two different vendors have provided budgetary quotes for this project. Both place the estimated cost between 25 and 28 thousand dollars. Costs will include hardware, software, installation, and user training. One quote attached

Evaluation:

Project will be successful when all voice and data coming into the PSAP CPE is captured and able to be recalled and reconstructed accurately on a new logging recorder.

Attachments

IsleofWightQuoteFINAL_logger.doc



Carolina Recording Systems, Inc.
P.O. Box 3065
Mooresville, NC 28117

FOR: 24-channel Audiolog MAX PRO Recording System UPGRADE

Isle of Wight Emergency Communications

17110 Monument Ave
 Isle of Wight, VA 23397
 757-357-2151
 Attn: Diane Jones, djones@iowus.net

QUOTE

Page 1 of 2

Date	Quotation Validity Period	Estimated Delivery	Payment Terms	Shipping Terms
12-04-2009	1-28-2010	3 to 4 Weeks	Net 30	FOB- Destination, Freight- Prepaid and add

Item #	QTY	MODEL	DESCRIPTION	UNIT PRICE	TOTAL
1	1	AL-MAXPRO-24	Audiolog 3000-Series MAX PRO server, Qty 3 of 250GB HDD(RAID 5, 500GB net storage) Pentium4, Windows XP, SQL Express, 24 Analog Recording channels and Expandable to 48 channels, with Dry Contact Closure Card, NAS Upload License, ALI Data Capture, and Public Safety Client Software Bundle: <ul style="list-style-type: none"> • Site License for Audiolog 4-Channel Playback Client • Site License for Instant Recall Plus Client • Site License for Audiolog Remote Monitoring Client • Audiolog 4-Channel Playback at Server • 1 seat License for Audiolog 16-Channel Playback Client • 1 seat License for Audiolog Management Console Client Note: See overview for itemized component list	28,618.00	\$ 28,618.00
2	1	NAS-2000	Network Attached Storage device (NAS) 4x500 GB SATA hard drive providing 2TB raw storage. Drives are configured for 1.5 TB RAID-5 storage. Includes Quad Core Xeon Processor 5050, 2x2MB cache, 3.00GHz,667Mhz FSB, 2GB RAM and hardware based RAID controller.	4,595.00	\$ 4,595.00
3	1	PERIPH	Rack mount fold out 15" LCD w/ keyboard, touch pad and KVM switch	1,595.00	\$ 1,595.00
4	1	XXXX	Professional Services: Includes pre installation site survey, installation, testing and unlimited training	2,500.00	\$ 2,500.00
				Sub-Total:	\$ 37,308.00
			<i>Quoted figures based on GSA contract No GS-35F-0661T</i>	GSA Discount:	- \$ 9,141.00
			<i>Upgrade Allowance based on \$150 per channel traded in</i>	Upgrade Allowance:	- \$ 3,600.00
			(Continued on page 2)	TOTAL:	\$ 24,567.00

Contact Information:
 Jim Weisbrodt
 Phone: 803-233-4118
 Fax:--: 803-233-3593
 E-mail: jim.weisbrodt@crsnc.com
 Help Desk : (888) 661-0202

Installation Notes:
 Customer's radio and telephone vendors should provide the proper inputs, identified and terminated within 6 feet of the recorder's physical location.
Warranty Notes:
 System comes with one year warranty parts and labor with 24/7 onsite response.
Service Agreement is available after initial full year warranty expires.



Carolina Recording Systems, Inc.
P.O. Box 3065
Mooresville, NC 28117

FOR: 24 channel Audiolog MAX PRO Recording System OPTIONS

Isle of Wight Emergency Communications

17110 Monument Ave.
 Isle of Wight, Va 23397
 757-357-2151
 Attn: Diane Jones, jones@iowus.net

QUOTE

Page 2 of 2

Date	Quotation Validity Period	Estimated Delivery	Payment Terms	Shipping Terms
12-4-2009	1-28-2010	3 to 4 Weeks	Net 30	FOB- Destination, Freight- Prepaid and add

Item #	QTY	MODEL	DESCRIPTION	UNIT PRICE	TOTAL
<u>RECOMMENDED OPTIONS</u>					
5	1	C89-170-0010	8-Channel Analog Card with 8 Channel Licenses This option increases the initial number of installed recording Channels from 24 to 32 recording channels	\$ 3,594.50	GSA Price Shown
6	1	C89-170-0009	4-Channel Analog Card with 4 Channel Licenses This option increases the initial number of installed recording Channels from 24 to 28 recording channels (or to 36 channels if purchased with optional item#5)	\$ 2,116.74	GSA Price Shown
7	1	C89-170-0175	One concurrent license for Audiolog Interaction Quality software This is a Web-browser based Call-Taker/Dispatcher Quality Assurance application.	\$ 2,000.00	Open Market Item
8	1	C89-170-0192	Audiolog/Verint Screen Recording Server Module with first 10 seats Allows the recorder to record all CAD workstation screen activity including Windows graphics, mouse movements, and keystrokes.	\$ 1,000.00	Open Market Item

Contact Information:

Jim Weisbrodt
 Phone: 803-233-4118
 Fax:--: 803-233-3593
 E-mail: jim.weisbrodt@crsnc.com
 Help Desk : (888) 661-0202

Installation Notes:

Customer's radio and telephone vendors should provide the proper inputs, identified and terminated within 6 feet of the recorder's physical location.

Warranty Notes:

System comes with one year warranty parts and labor with 24/7 onsite response.

Service Agreement is available after initial full year warranty expires.

System Requirements

The following recording requirements were discovered and confirmed based on discussions with Isle of Wight Emergency Communications personnel.

<u>Analog Audio Inputs to be recorded</u> 04 Phone Positions (Grow to 7 in Future) 08 E911 Trunks (4 Wireline, 4 Wireless) 05 Admin Lines 06 Radio Channels (Grow to 7 in Future) <u>01 Channels for future growth</u> 24 Total Analog Recording Channels Note: At least 32 channels required to handle future growth	<u>Desired features</u> <ul style="list-style-type: none">▪ Replay from workstations on the LAN▪ Synchronized Replay of Multiple channels▪ Export scenarios to CD-ROM▪ Spoken Date/Time▪ Eliminate problems with VOX triggering▪ Eliminate need for DVD archiving▪ Enhanced Search Criteria▪ Comprehensive Alarm and diagnostic capabilities.▪ Instant Recall Software for Dispatch position▪ Screen Recording of CAD Positions▪ Dispatcher Quality Assurance scoring system
---	---

CRS Solution –

Recording

We propose an Audiolog MAX PRO to address your recording requirements.

The MAX PRO will be configured with 24 Analog Recording Channels. The MaxPro recorder is expandable to 240 recording Channels. The Audiolog MAX PRO will be configured with Redundant Hot Swap Power Supplies, 3 x hot swap 250GB 7200 RPM ES SATA Hard drives (RAID5 500GB total storage), and Windows XP Operating System.

The proposal includes a contact closure detection card which allows Audiolog to start/stop recording based on off-hook condition from the Console. This eliminates all problems associated with Voice Activation (VOX) recording. All phone calls will have an exact-length recording without any call segmentation or run-on.

The recording server will be connected to the department's Local Area Network (LAN). The networked Audiolog will allow authorized users to perform comprehensive searching and incident recreation from designated remote workstations on the LAN.

Archiving

Audiolog will store recordings on its 500GB of internal storage. We estimate this will hold a year or more of recordings. To protect against data loss, the recorder should also archive the calls to a separate location. Our proposal includes a Network Attached Storage Upload License to allow the calls to be copied to a networked storage location.

Network Attached Storage (NAS)

Our proposal also includes a Network Attached Storage unit. With this option, the system will also copy recordings to the Network attached Storage unit. Calls which are no longer on the local hard drive of the recorder but still located on the Network Attached Storage unit will be automatically retrieved during playback – no end user intervention is required.

Item#2 is a fault-tolerant, multi-drive, RAID5 NAS Appliance which should hold many years worth of recordings. Extra unused capacity of this NAS may be partitioned off and used for other storage requirements by the agency (ie. Document storage, disk backups, etc)

System Integrations

Plant Maars/Vesta

The proposed Audiolog MAX PRO will be integrated to the Plant phone system. The integration allows the capture of Automatic Location Information (ALI) and insertion of the ALI data with the recorded 911 call. This allows an end-user to display the associated ALI data when replaying 911 calls and also provides advanced search criteria. The following data fields are captured and can be configured as searchable parameters: Automatic Number Information (ANI) or Pseudo Automatic Number Information (pANI), Caller Name, Street address, City, Wireless Callback Number (ALT#), Class of Service, Emergency Services Number (ESN), Local Exchange Carrier (LEC), Wireless X/Y coordinates, and additional information such as an Apt number or Wireless Tower sector information.

Playback Tools

The system will be connected to your Local Area Network (LAN) to allow remote access to the recorder from your PC Workstation.

Multi-Channel Player

The proposed Audiolog Compliance Software bundle includes a site license for Multi-Channel Player. This tool allows selection and synchronized replay of up to 4 concurrent channels or talk groups. Scenarios may be reconstructed with optional spoken date/time to allow synchronized multi-channel replay. The scenarios can be exported as a single .wav or .mp3 file for subsequent distribution by email or CD-ROM.

Instant Recall

The proposed Audiolog Compliance Software bundle includes a site license for Instant Recall. This software tool may be installed at each console position to allow a Tele-communicator to have quick access to the most recent recordings. The software may be configured to playback any channel(s) from the recording system. We typically configure instant recall to playback the console telephone, Nextel base station, and all radios. By default, Instant Recall will allow access to the most recent 30 minutes of recordings but can be configured by the system administrator for up to 24hrs of playback. The latest version of Instant Recall allows a user to replay calls in progress. A call taker does not have to wait until the call is complete before replay of the call is available.

Supervisory Tools

Audiolog Remote Monitor Client (ALRM)

The Compliance Software Bundle includes a site license for Audiolog Remote Monitor Client. The remote monitor will allow you to listen to the recording channels in real time as they happen. You can listen to up to 8 live recording channels simultaneously!

Audiolog Reports

Audiolog includes a statistical reports package. The reports include an Audit report, detailed call report, hourly breakdown report, and talk time report. The reports include tabular data as well as bar charts. The reports can be printed or exported to many file formats including adobe acrobat.

Audiolog Alarm Monitoring and Diagnostics

Audiolog includes Alarm notification via email alerts as well as online diagnostics capabilities. Both these features require an active internet connection to function.

**Item #1 Audiolog MaxPro Recording Server
(Based on GSA CONTRACT NO. GS-35F-0661T)**

Part Number	Description	Qty	List Price (Each)	List Price (Extended)	GSA Price (each)	GSA Price (extended)
C89-170-3003	Audiolog 3000-Series MAX-PRO/P4 server, with QTY 3 of 250GB HDD (RAID 5; 500GB net storage), Pentium4, Windows XP, SQL Express, 5 available PCI slots, no DVD-RAM drives (Display, keyboard, mouse and speakers to be provided locally), with Standard Base licenses: <ul style="list-style-type: none"> • Audiolog Version 4 system license • 2 seat licenses for Audiolog Remote Player Client (ALRC) • 2 seat licenses for Audiolog Instant Recall Plus Client (ALIR) • 1 seat license for Audiolog 4-Channel Player Client (ALMCP4CL/TTD) • 2 concurrent licenses for Audiolog Interaction Review (AIR) • Audiolog Management Console server license • 1 seat license for Audiolog Management Console Client SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025, FSC CLASS 5810, FSC CLASS 5895	1	\$8,617.00	\$8,617.00	\$6,424.77	\$6,424.77
C89-170-0012	24-Channel Analog Card with 24 Channel Licenses SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025, FSC CLASS 5810, FSC CLASS 5895	1	\$13,650.00	\$13,650.00	\$10,177.33	\$10,177.33
C89-170-0071	32-Input Card for Detection of "Dry Contact Closure" card and cables SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025, FSC CLASS 5810, FSC CLASS 5895	1	\$1,452.00	\$1,452.00	\$1,082.00	\$1,082.00
C89-170-0074	NAS Upload license (for each Audiolog server that uploads to a NAS system) SIN: 132-33, FSC CLASS: 7010, FSC CLASS 7025, FSC CLASS 5810, FSC CLASS 5895	1	\$1,200.00	\$1,200.00	\$894.71	\$894.71
C89-170-0316	Public Safety Client Software Bundle (Updated 6/2008) <ul style="list-style-type: none"> • Site License for Audiolog 4-Channel Playback Client • Site License for Instant Recall Plus Client • Site License for Audiolog Remote Monitoring Client • Audiolog 4-Channel Playback at Server • 1 seat License for Audiolog 16-Channel Playback Client • 1 seat License for Audiolog Management Console Client **** Open Market Item ****	1	\$999.00	\$999.00	\$999.00	\$999.00
C89-170-0251	NENA-Standard Serial CAD Spill Integration (ANI/ALI data provided at start of call) SIN: 132-8, FSC CLASS: 7010, FSC CLASS 7025, FSC CLASS 5810, FSC CLASS 5895	1	\$2,700.00	\$2,700.00	No Charge (transfer)	No Charge (transfer)

PRODUCT SUB-TOTAL

\$28,618.00

\$19,577.81

GSA Discount

\$9,140.19

PSAP Grant Program Grant Ranker

View Application--81--King William Monitor Stands

Grant Period: 2011

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

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

Priority: Other (**OTHER**)

Primary PSAP Applicants: King William County

Jurisdictions Served: King William, County of

Project Director:

Jeff Walton
Sheriff
351 Courthouse Lane
804-769-0999 (phone)
804-769-0334 (fax)
kwso@kingwilliamcounty.us

Project Description:

Total Project Cost \$1,650.00

Amount Requested: \$1,650.00

Statement of Need:

In 2004 the King William Sheriff's Office moved into a new courts building. Since that time the PSAP as acquired additional computers, including a security system as well as upgraded the 911 equipment. These additional computer monitors have caused overcrowding in the PSAP work area. When the new 911 equipment was installed, KVM switches were purchased to help alleviate some of the crowding with the extra keyboards and mice. Currently two positions have six monitors and the third position has five. The monitor stands would allow much needed work area to be free enabling the communications officer to work more efficiently.

Comprehensive Project Description:

Upon notification of receiving the grant award, the monitor stands will be ordered and delivered to the PSAP. Assembly and installation will be conducted in house. This will be done with minimal impact on the daily operation of the PSAP.

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

Allowing the communication officers to perform their duties more productively and efficiently in an ever changing fast paced environment.

Budget and Budget Narrative:

Three Stands @ \$549.95 each Total \$1649.95

Evaluation:

This project will be evaluated on a daily basis by normal daily operations and usage.

Attachments

PSAP Grant Program Grant Ranker

View Application--82--E911 GPS Field Tools

Grant Period: 2011

Tier: Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)

Grant Program: Continuity and Consolidation **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: Highland County

Jurisdictions Served: Highland, County of

Project Director:

Ronald Wimer
PSAP Coord
P. O. Box 130
(540) 468-2210 (phone)
540-468-3447 (fax)
Hcso.wimer@htcnet.org

Project Description:

Total Project Cost \$17,000.00

Amount Requested: \$17,000.00

Statement of Need:

The PSAP does not currently have a GPS Receiver or Data Collector with which to attain coordinates for new structures, access points, or centerlines. This project will involve defining the specific requirements of the PSAP, evaluating vendors and pricing, implementing the new equipment, and training on new equipment and software.

Comprehensive Project Description:

The PSAP is interested in purchasing a tool to locate new roads and addressable structures and integrate that information into the GIS to enable 911 data updates. This tool consists of a GPS unit, field tablet PC for viewing GIS data and GPS location, and software to enable the collection of point (structure, access, and places) and line (roadway) updates in the field and transfer of that information into the GIS to support addressing and mapping display.

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

Equipment and software purchased for in this project will enable the County to GPS 9-1-1 related locations (roads, structures, places, etc) for years to come. This is especially important in Highland County where rough terrain and elevations can make structure and road locating from imagery alone unreliable. Without proper GPS locating equipment, the County will be unable to adequately locate citizen locations in the future.

Budget and Budget Narrative:

Tablet PC: \$5,000, GPS Equipment: \$4,000, Software & Configuration: \$5,500, On-site Training: \$2,500

Evaluation:

This project's success will be measured by the amount of improvement in location and provision of emergency services resulting from improved local data. Milestones for measuring project progression and success include: 1. Equipment Evaluation and Selection, 2. Software Selection and Configuration, 3. Training, 4. Implementation.

Attachments

PSAP Grant Program Grant Ranker

View Application--83--CAD/RMS UPGRADE

Grant Period: 2011

Tier: Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)

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

Priority: Radio consoles (**CONSOLES**)

Primary PSAP Applicants: Caroline County

Jurisdictions Served: Bowling Green, Town of
Port Royal, Town of

Project Director:

Scott Moser

Major

118 Courthouse LN

804-633-1126 (phone)

804-633-0415 (fax)

smoser@co.caroline.va.us

Project Description:

Total Project Cost \$186,534.00

Amount Requested: \$101,334.00

Statement of Need:

The Caroline County Sheriff's Office, which is now state accredited has requested funds to support a CAD/RMS update and through the CAD/RMS and training on the new software. The training system that we requested for on last years grant is not supported by the version of the CAD/RMS that we presently run. The Caroline county Sheriff's Office was put on notice as of 2010 that our current RMS provider will not support our records management system, and they would not be renewing our contract. The Caroline County Sheriff's Office will not be able to function without a working records management system. Due to the extreme financial issues that Virginia and Caroline County are facing this grant maybe the way we will be able to fund the project. The county has already furloughed the entire Sheriff's office to help with the revenue short fall. Caroline County does not have the money available to fund the entire project. The current CAD/RMS was purchased in 2005 and is extremely outdated. Caroline County has an obligation to it's citizens and to those visting and traveling through the county to assist the public.

Comprehensive Project Description:

Caroline County Sheriff's Office Emergency Communications Center serves has a centrally located PSAP for Law Enforcement for Caroline County and The Town of Bowling Green and The Town of Port Royal and Six Fire and Five Rescue agencies. The current CAD/RMS has been in place since 2005. The Goals and objectives for this project are to upgrade an aging CAD/RMS equipment to ensure the continued efficient handling of wireless 911 calls for service received by this center. If the grant is received the County Information Technology Administrator and the 911 Supervisor would order the listed equipment and

oversee the installation of the equipment after it arrives. We anticipate that the equipment would arrive by August 1, 2010 and should be installed by August 30, 2010 after delivery. With the upgrade of the CAD the system will be have the ability for call takers and dispatcher to monitor events, and search for any needed information in a faster rate. The CAD/RMS system will remain interfaced to systems such as E911 for address info from the phone system including phase II information, VCIN/NCIC for transactions, Mapping and Net Clock for accurate time stamp. Data form the current CAD/RMS system will be archived so that historical information will not be lost and reports and statistical data will be able to be retrieved using the upgraded system. We currently are sending the information through the GIS that is not correct and the paging system doesn't page key personnel at time when we have 911 calls. Training will be provided by the vendor to all current employees in a train the trainer format so all employees will be able to train by October 15, 2010 and any new employees that are hired after the upgrade is in place. We will have the system up and running by November 1, 2010 Implementation will be monitored and all standards must be met before acceptance of the upgrade, and conduct surveys with the uses to evaluate the efficetiveness of the CAD and RMS. We will address any issues with the vendor. We predict that the sytem will maintain the CAD and RMS for the next three to four years and during that time we will budget for future updates. Due to the current finanical issues we will not be able to update at this time.

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

The Equipment upgrades will help enhance the E911 system. It will provide us with up to date technology and allow us to adapt to future E911 PSAP Goals. With the delcining system keeping the current standards in line with PSAP is becoming an issue. The current system will not allow any growth without new equipment. We are currently in phase II and with the upgrade we would be able to move into additional phases.

Budget and Budget Narrative:

We anticipate this project will cost a total of \$186,534. We have already secured a grant for \$59,867 towards this project. That leaves a total of \$126,667.45. We are requesting funding of 80%, \$101,333.96. We will match the grant funding at 20%, \$25,333.49

Evaluation:

Workstations will be evaluated on delivery by the County Information Technology Administrator to ensure that equipment delivered matches ordered specifications. After installation, 911 Supervisors will evaluate the operational capacities to ensure no functionality has been lost from the current CAD/RMS equipment. The users will complete a suvey on the effectiveness of the system and issues will be addressed with vendor. We will review the progress of the time line set and report any issues. We will conduct mock pages of key personnel and the GIS mapping system. We will conduct a survey from a group of other jurisdiction in the commonwealth on the effectiveness of the system.

Attachments

Quote Athena RMS FBR_RMS Report Server-512790515.pdf
Quote Athena RMS Terminal Server-512797548.pdf
Quote Athena RMS Database Server-512798521.pdf
Quote Dell Rack and UPS-512888911.pdf
Quote for CAD GIS DenaliRMS Upgrade.pdf

DELL**QUOTATION****QUOTE #: 512797458****Customer #: 18859960****Contract #: 70137****Customer Agreement #: Dell Std Terms****Quote Date: 10/28/09****Date: 10/28/09 10:53:45 AM****Customer Name: CAROLINE COUNTY**

TOTAL QUOTE AMOUNT:	\$6,350.35		
Product Subtotal:	\$6,350.35		
Tax:	\$0.00		
Shipping & Handling:	\$0.00		
Shipping Method:	Ground	Total Number of System Groups:	1

GROUP: 1	QUANTITY: 1	SYSTEM PRICE: \$6,350.35	GROUP TOTAL: \$6,350.35
Base Unit:	PowerEdge R710 with Chassis for Up to Six 3.5-Inch Hard Drives (224-4846)		
Processor:	PowerEdge R710 Shipping (330-4124)		
Memory:	4GB Memory (2x2GB), 1066MHz Dual Ranked UDIMMs for 1 Processor, Adv ECC (317-0225)		
Monitor:	Embedded Broadcom, GB Ethernet NICS with TOE (430-1764)		
Video Card:	E5502 Xeon Processor, 1.86GHz 4M Cache, 800MHz Max Mem (317-1209)		
Video Memory:	PowerEdge R710 Heat Sink for 1Processor (317-1224)		
Video Memory:	No Second Processor (311-3928)		
Hard Drive:	300GB 15K RPM Serial-Attach SCSI 3.5" Hot Plug Hard Drive (341-8719)		
Hard Drive Controller:	PERC 6/i SAS RAID Controller 2x4 Connectors, Internal, PCIe256MB Cache, x6 Chassis (341-9152)		
Floppy Disk Drive:	Power Saving BIOS Setting (330-3491)		
Operating System:	Windows Server 2003, Standard Edition, Includes 5 CALs, 2008Media (421-0041)		
Modem:	iDRAC6 Enterprise (467-8648)		
CD-ROM or DVD-ROM Drive:	DVD ROM, SATA, INTERNAL (313-9092)		
Sound Card:	Bezel (313-7517)		
Speakers:	Riser with 2 PCIe x8 + 2 PCIe x4 Slot (320-7886)		
Documentation Diskette:	Dell Management Console (330-5280)		
Documentation Diskette:	Electronic System Documentation and OpenManage DVD Kit (330-3485)		
Additional Storage Products:	300GB 15K RPM Serial-Attach SCSI 3.5" Hot Plug Hard Drive (341-8719)		
Feature	RAID 1 for PERC 6/i or SAS 6/iR Controllers (341-8699)		
Feature	Sliding Ready Rails With CableManagement Arm (330-3477)		
Service:	Thank you choosing Dell ProSupport. For tech support, visit http://support.dell.com/ProSupport or call 1-800-945-33 (989-3439)		
Service:	Mission Critical Package: 4-Hour 7x24 On-Site Service with Emergency Dispatch, 2 Year Extended (992-8162)		
Service:	ProSupport for IT: 7x24 HW / SW Tech Support and Assistance for Certified IT Staff, 3 Year (992-8352)		
Service:	Mission Critical Package: 4-Hour 7x24 On-Site Service with Emergency Dispatch, Initial Year (993-2200)		
Service:	Dell Hardware Limited Warranty Plus On Site Service Initial Year (993-8447)		
Service:	Dell Hardware Limited Warranty Extended Year (993-8458)		
Service:	MISSION CRITICAL PACKAGE: Enhanced Services, 3 Year (993-8518)		
Installation:	On-Site Installation Declined (900-9997)		
Misc:	High Output Power Supply Redundant, 870W (330-3475)		
Misc:	Power Cord, NEMA 5-15P to C14,15 amp, wall plug, 10 feet / 3 meter (310-8509)		
Misc:	Power Cord, NEMA 5-15P to C14,15 amp, wall plug, 10 feet / 3 meter (310-8509)		

SALES REP:	Christopher Whitaker	PHONE:	512-725-0324
Email Address:	Christopher_Whitaker@Dell.com	Phone Ext:	67509

Please review this quote carefully. If complete and accurate, you may place your order online at www.dell.com/qto (use quote number above). POs and payments should be made to *Dell Marketing L.P.*

If you do not have a separate agreement with Dell that applies to your order, please refer to www.dell.com/terms as follows:

If purchasing for your internal use, your order will be subject to *Dell's Terms and Conditions of Sale-Direct* including Dell's U.S. Return Policy, at www.dell.com/returnpolicy#total. If purchasing for resale, your order will be subject to *Dell's Terms and Condition of Sale for Persons or Entities Purchasing to Resell*, and other terms of Dell's PartnerDirect program at www.dell.com/partner. If your order includes services, visit www.dell.com/servicecontracts for service descriptions and terms.

Quote information is valid for U.S. customers and U.S. addresses only, and is subject to change. Sales tax on products shipped is based on "Ship To" address, and for downloads is based on "Bill To" address. Please indicate any tax-exempt status on your PO, and fax your exemption certificate, with seller listed as *Dell Marketing L.P.*, to Dell's Tax Department at 800-433-9023. Please include your Customer Number.

For certain products shipped to end-users in California, a [State Environmental Fee](#) will be applied. For Asset Recovery/Recycling Services, visit www.dell.com/assetrecovery.



Quotation/Order Form

Name: VA_CAROLINE_CTY
 Attn: Lisa Harvey
 Address: 108-B Courthouse Lane
 City/State: Bowling Green, VA 22427
 Phone: 804-633-1125

Quotation No: 2018
 Date: 03/20/09
 Salesperson: Scott Schultz
 Title: 100 - Account Manager
 Phone: (910) 352-1657
 Cell: (910) 352-1657
 Email: Scott.Schultz@interact911.com
Quotation expires 180 days after issuance.

The pricing set forth in this Order Form represents a firm quotation which shall expire 180 days after the date hereof. This Order Form and the prices quoted herein are subject to and incorporate by reference the following documents (copies attached):

1. Master Purchase and License Agreement dated as of (the "Agreement") between InterAct and the Customer identified above;
2. Software Maintenance Terms;
3. Hardware Maintenance Terms; and
4. Statement of Work (describing scope of services included) between InterAct and the Customer identified above.

Any applicable sales tax due will be charged on all transactions for either goods or services delivered in a jurisdiction in which they are due. Sales tax will be added to the invoice at the time of issuance.

CAD/GEO Upgrade

Upgrade	\$61,847.00
Hardware	\$34,897.00
Services	\$23,000.00
Misc Services	\$3,950.00

CAD/GEO Upgrade Subtotal **\$61,847.00**

Athena RMS

Software	\$50,848.00
Athena Software	\$45,000.00
3rd Party Software	\$5,848.00
Services	\$48,290.00
Implementation Services	\$39,540.00
Training	\$8,750.00
Annual Support	\$0.00

Athena RMS Subtotal **\$99,138.00**

Adjustments

Grand Total: **\$160,985.00**

Maintenance Total: **\$7,000.00**

Options:

Optional Items

Software	\$57,500.00
FBR Software	\$57,500.00
Services	\$22,930.00
Implementation Services	\$19,180.00
Training	\$3,750.00

Optional Items Subtotal **\$80,430.00**

Notes:

Quotation for CAD/GEO Software and Hardware upgrade. Quotation also includes Athena RMS software and installation services.



InterAct Public Safety Systems
 102 W. 3rd Street, Suite 750
 Winston-Salem, NC 27101
 800-768-3911

Quotation/Order Form

Name: VA_CAROLINE_CTY Attn: Lisa Harvey Address: 108-B Courthouse Lane City/State: Bowling Green, VA 22427 Phone: 804-633-1125	Quotation No: 2018 Date: 03/20/09 Salesperson: Scott Schultz Title: 100 - Account Manager Phone: (910) 352-1657 Cell: (910) 352-1657 Email: Scott.Schultz@interact911.com <i>Quotation expires 180 days after issuance.</i>
--	---

Upgrade

Hardware

Product Code	Description	Qty	Price Each	Extended Price	Annual Maintenance
InterAct CAD Large Server	CAD Server 6-10 Clients	1	\$13,540.00	\$13,540.00	\$0.00
InterAct CAD Comm Server	CAD COMM Server	1	\$8,349.00	\$8,349.00	\$0.00
InterAct Standard Workstation	Standard Workstation, Cables and UPS	6	\$1,568.00	\$9,408.00	\$0.00
DLE198FP	Dell E198FP 19 LCD	12	\$300.00	\$3,600.00	\$0.00

Services

Product Code	Description	Qty	Price Each	Extended Price	Annual Maintenance
CI-PROJ	Project Configuration and Implementation Services	1	\$12,500.00	\$12,500.00	\$0.00
TR-CADADMI	CAD System Administrator I Training	1	\$4,500.00	\$4,500.00	\$0.00
TR-CADUSR	CAD User Training	4	\$1,500.00	\$6,000.00	\$0.00

Misc Services

Product Code	Description	Qty	Price Each	Extended Price	Annual Maintenance
IA-HDM	InterAct Help Desk Maintenance	1	\$2,450.00	\$2,450.00	\$0.00
MISCSPH	Miscellaneous Shipping	1	\$1,500.00	\$1,500.00	\$0.00

CAD/GEO Upgrade Subtotal **\$61,847.00** **\$0.00**

CAD/GEO Upgrade Signoff

InterAct: _____ Customer: _____ Date: _____



InterAct Public Safety Systems
 102 W. 3rd Street, Suite 750
 Winston-Salem, NC 27101
 800-768-3911

Quotation/Order Form

Name: VA_CAROLINE_CTY Attn: Lisa Harvey Address: 108-B Courthouse Lane City/State: Bowling Green, VA 22427 Phone: 804-633-1125	Quotation No: 2018 Date: 03/20/09 Salesperson: Scott Schultz Title: 100 - Account Manager Phone: (910) 352-1657 Cell: (910) 352-1657 Email: Scott.Schultz@interact911.com <i>Quotation expires 180 days after issuance.</i>
--	---

Software

Athena Software

Product Code	Description	Qty	Price Each	Extended Price	Annual Maintenance
RMS-ATH-SRV	Athena RMS Server Software License <i>Ten Concurrent User Package</i>	1	\$45,000.00	\$45,000.00	\$0.00

3rd Party Software

Product Code	Description	Qty	Price Each	Extended Price	Annual Maintenance
ORACLE	Oracle Database Software (for RMS/JMS)	1	\$4,750.00	\$4,750.00	\$0.00
ORAC-TOAD	Oracle TOAD Database Tool	1	\$1,098.00	\$1,098.00	\$0.00

Services

Implementation Services

Product Code	Description	Qty	Price Each	Extended Price	Annual Maintenance
SI-ATH-RMS	Athena RMS Software staging and Installation <i>Installation and Testing at Denali Offices</i>	1	\$6,720.00	\$6,720.00	\$0.00
SI-ATH-RMS	Athena RMS Software staging and Installation <i>On Site</i>	1	\$8,360.00	\$8,360.00	\$0.00
TR-RMS-ATH-GLS	Athena RMS/FBR Go Live Support (on site)	1	\$4,480.00	\$4,480.00	\$0.00
DS-RMS-BPR	InterAct RMS Business Process Review	1	\$4,480.00	\$4,480.00	\$0.00
IA-DC	InterAct Data Conversion Services	1	\$15,500.00	\$15,500.00	\$0.00

Training

Product Code	Description	Qty	Price Each	Extended Price	Annual Maintenance
TR-RMS-ATHENA	Training Services Athena RMS <i>2 day on-site Sys Admin training and 5 day user training</i>	1	\$8,750.00	\$8,750.00	\$0.00

Annual Support

Product Code	Description	Qty	Price Each	Extended Price	Annual Maintenance
RMS-ATH-ANNMAINT	Athena Annual Maintenance	1	\$0.00	\$0.00	\$7,000.00

Athena RMS Subtotal **\$99,138.00** **\$7,000.00**

Athena RMS Signoff

InterAct: _____ Customer: _____ Date: _____



InterAct Public Safety Systems
 102 W. 3rd Street, Suite 750
 Winston-Salem, NC 27101
 800-768-3911

Quotation/Order Form

Name: VA_CAROLINE_CTY Attn: Lisa Harvey Address: 108-B Courthouse Lane City/State: Bowling Green, VA 22427 Phone: 804-633-1125	Quotation No: 2018 Date: 03/20/09 Salesperson: Scott Schultz Title: 100 - Account Manager Phone: (910) 352-1657 Cell: (910) 352-1657 Email: Scott.Schultz@interact911.com <i>Quotation expires 180 days after issuance.</i>
--	---

Software

FBR Software

Product Code	Description	Qty	Price Each	Extended Price	Annual Maintenance
RMS-ATH-FBR-SRV	Athena FBR Server License	1	\$32,500.00	\$32,500.00	\$0.00
RMS-ATH-FORMS-CUST	RMS Athena Forms Customization VA NIBRS, VA Standard Accident Form	1	\$25,000.00	\$25,000.00	\$0.00

Services

Implementation Services

Product Code	Description	Qty	Price Each	Extended Price	Annual Maintenance
SI-ATH-RMS-CONFIG	Athena RMS/FBR configuration service	1	\$19,180.00	\$19,180.00	\$0.00

Training

Product Code	Description	Qty	Price Each	Extended Price	Annual Maintenance
TR-RMS-FBR-ADMN	RMS Field Based Reporting Admin Training	1	\$3,750.00	\$3,750.00	\$0.00

Optional Items Subtotal **\$80,430.00** **\$0.00**

Optional Items Signoff

InterAct: _____ Customer: _____ Date: _____

Quote Signoff

InterAct: _____ Customer: _____ Date: _____

DELL**QUOTATION****QUOTE #: 512798521****Customer #: 18859960****Contract #: 70137****Customer Agreement #: Dell Std Terms****Quote Date: 10/28/09****Date: 10/28/09 10:53:48 AM****Customer Name: CAROLINE COUNTY**

TOTAL QUOTE AMOUNT:	\$10,682.96		
Product Subtotal:	\$10,682.96		
Tax:	\$0.00		
Shipping & Handling:	\$0.00		
Shipping Method:	Ground	Total Number of System Groups:	1

GROUP: 1	QUANTITY: 1	SYSTEM PRICE: \$10,556.97	GROUP TOTAL: \$10,556.97
Base Unit:	PowerEdge R710 with Chassis for Up to Four 3.5-Inch Hard Drives (224-4847)		
Processor:	PowerEdge R710 Shipping (330-4124)		
Memory:	4GB Memory (4x1GB), 1066MHz Single Ranked UDIMMs for 2 Processors, Adv ECC (317-0229)		
Monitor:	Embedded Broadcom, GB Ethernet NICS with TOE (430-1764)		
Video Card:	E5520 Xeon Processor, 2.26GHz 8M Cache, Turbo, HT, 1066MHz Max Mem (317-1206)		
Video Memory:	E5520 Xeon Processor, 2.26GHz 8M Cache, Turbo, HT, 1066MHz Max Mem (317-1218)		
Video Memory:	PowerEdge R710 Heat Sinks for 2 Processors (317-1213)		
Hard Drive:	1TB 7.2K RPM Near Line SAS 3.5in Hot Plug Hard Drive (341-8723)		
Hard Drive Controller:	PERC 6/i SAS RAID Controller 2x4 Connectors, Internal, PCIe256MB Cache, x4 Chassis (341-9153)		
Floppy Disk Drive:	Power Saving BIOS Setting (330-3491)		
Operating System:	Windows Server 2003, Standard x64, Incl 5 CALs, 2008 Media (421-0043)		
Modem:	iDRAC6 Enterprise (467-8648)		
TBU:	PowerVault 100T DAT72 Tape Backup, w/Controller for 3.5" Chassis, Internal (341-8736)		
CD-ROM or DVD-ROM Drive:	DVD ROM, SATA, INTERNAL (313-9092)		
Sound Card:	Bezel (313-7517)		
Speakers:	Riser with 2 PCIe x8 + 2 PCIe x4 Slot (320-7886)		
Documentation Diskette:	Dell Management Console (330-5280)		
Documentation Diskette:	Electronic System Documentation and OpenManage DVD Kit (330-3485)		
Additional Storage Products:	1TB 7.2K RPM Near Line SAS 3.5in Hot Plug Hard Drive (341-8723)		
Factory Installed Software:	Symantec Backup Exec v12.5 DataBase Server Suite (410-0823)		
Feature	RAID 5 for PERC 6/i Controller (341-8700)		
Feature	Sliding Ready Rails With CableManagement Arm (330-3477)		
Service:	Thank you choosing Dell ProSupport. For tech support, visit http://support.dell.com/ProSupport or call 1-800-945-33 (989-3439)		
Service:	Mission Critical Package: 4-Hour 7x24 On-Site Service with Emergency Dispatch, 2 Year Extended (992-8162)		
Service:	ProSupport for IT: 7x24 HW / SW Tech Support and Assistance for Certified IT Staff, 3 Year (992-8352)		
Service:	Mission Critical Package: 4-Hour 7x24 On-Site Service with Emergency Dispatch, Initial Year (993-2200)		
Service:	Dell Hardware Limited Warranty Plus On Site Service Initial Year (993-8447)		
Service:	Dell Hardware Limited Warranty Extended Year (993-8458)		
Service:	MISSION CRITICAL PACKAGE: Enhanced Services, 3 Year (993-8518)		
Installation:	On-Site Installation Declined (900-9997)		
Misc:	High Output Power Supply Redundant, 870W (330-3475)		

Misc:	Power Cord, NEMA 5-15P to C14,15 amp, wall plug, 10 feet / 3 meter (310-8509)
Misc:	Power Cord, NEMA 5-15P to C14,15 amp, wall plug, 10 feet / 3 meter (310-8509)
Misc:	1TB 7.2K RPM Near Line SAS 3.5in Hot Plug Hard Drive (341-8723)
Misc:	1TB 7.2K RPM Near Line SAS 3.5in Hot Plug Hard Drive (341-8723)

SOFTWARE & ACCESSORIES

Product	Quantity	Unit Price	Total
Tape Media for DAT72, 36/72GB 10 Pack, Customer Install (341-2899)	1	\$125.99	\$125.99
Number of S & A Items: 1		S&A Total Amount: \$125.99	

SALES REP:	Christopher Whitaker	PHONE:	512-725-0324
Email Address:	Christopher_Whitaker@Dell.com	Phone Ext:	67509

Please review this quote carefully. If complete and accurate, you may place your order online at www.dell.com/qto (use quote number above). POs and payments should be made to *Dell Marketing L.P.*

If you do not have a separate agreement with Dell that applies to your order, please refer to www.dell.com/terms as follows:

If purchasing for your internal use, your order will be subject to *Dell's Terms and Conditions of Sale-Direct* including Dell's U.S. Return Policy, at www.dell.com/returnpolicy#total. If purchasing for resale, your order will be subject to *Dell's Terms and Condition of Sale for Persons or Entities Purchasing to Resell*, and other terms of Dell's PartnerDirect program at www.dell.com/partner. If your order includes services, visit www.dell.com/servicecontracts for service descriptions and terms.

Quote information is valid for U.S. customers and U.S. addresses only, and is subject to change. Sales tax on products shipped is based on "Ship To" address, and for downloads is based on "Bill To" address. Please indicate any tax-exempt status on your PO, and fax your exemption certificate, with seller listed as *Dell Marketing L.P.*, to Dell's Tax Department at 800-433-9023. Please include your Customer Number.

For certain products shipped to end-users in California, a [State Environmental Fee](#) will be applied. For Asset Recovery/Recycling Services, visit www.dell.com/assetrecovery.

DELL**QUOTATION****QUOTE #: 512790515****Customer #: 18859960****Contract #: 70137****Customer Agreement #: Dell Std Terms****Quote Date: 10/28/09****Date: 10/28/09 10:53:44 AM****Customer Name: CAROLINE COUNTY**

TOTAL QUOTE AMOUNT:	\$6,562.84		
Product Subtotal:	\$6,562.84		
Tax:	\$0.00		
Shipping & Handling:	\$0.00		
Shipping Method:	Ground	Total Number of System Groups:	1

GROUP: 1	QUANTITY: 1	SYSTEM PRICE: \$6,562.84	GROUP TOTAL: \$6,562.84
Base Unit:	PowerEdge R710 with Chassis for Up to Six 3.5-Inch Hard Drives (224-4846)		
Processor:	PowerEdge R710 Shipping (330-4124)		
Memory:	4GB Memory (2x2GB), 1066MHz Dual Ranked UDIMMs for 1 Processor, Adv ECC (317-0225)		
Monitor:	Embedded Broadcom, GB Ethernet NICS with TOE (430-1764)		
Video Card:	E5520 Xeon Processor, 2.26GHz 8M Cache, Turbo, HT, 1066MHz Max Mem (317-1206)		
Video Memory:	PowerEdge R710 Heat Sink for 1Processor (317-1224)		
Video Memory:	No Second Processor (311-3928)		
Hard Drive:	300GB 15K RPM Serial-Attach SCSI 3.5" Hot Plug Hard Drive (341-8719)		
Hard Drive Controller:	PERC 6/i SAS RAID Controller 2x4 Connectors, Internal, PCIe256MB Cache, x6 Chassis (341-9152)		
Floppy Disk Drive:	Power Saving BIOS Setting (330-3491)		
Operating System:	Windows Server 2003, Standard Edition, Includes 5 CALs, 2008Media (421-0041)		
Modem:	iDRAC6 Enterprise (467-8648)		
CD-ROM or DVD-ROM Drive:	DVD ROM, SATA, INTERNAL (313-9092)		
Sound Card:	Bezel (313-7517)		
Speakers:	Riser with 2 PCIe x8 + 2 PCIe x4 Slot (320-7886)		
Documentation Diskette:	Dell Management Console (330-5280)		
Documentation Diskette:	Electronic System Documentation and OpenManage DVD Kit (330-3485)		
Additional Storage Products:	300GB 15K RPM Serial-Attach SCSI 3.5" Hot Plug Hard Drive (341-8719)		
Feature	RAID 1 for PERC 6/i or SAS 6/iR Controllers (341-8699)		
Feature	Sliding Ready Rails With CableManagement Arm (330-3477)		
Service:	Thank you choosing Dell ProSupport. For tech support, visit http://support.dell.com/ProSupport or call 1-800-945-33 (989-3439)		
Service:	Mission Critical Package: 4-Hour 7x24 On-Site Service with Emergency Dispatch, 2 Year Extended (992-8162)		
Service:	ProSupport for IT: 7x24 HW / SW Tech Support and Assistance for Certified IT Staff, 3 Year (992-8352)		
Service:	Mission Critical Package: 4-Hour 7x24 On-Site Service with Emergency Dispatch, Initial Year (993-2200)		
Service:	Dell Hardware Limited Warranty Plus On Site Service Initial Year (993-8447)		
Service:	Dell Hardware Limited Warranty Extended Year (993-8458)		
Service:	MISSION CRITICAL PACKAGE: Enhanced Services, 3 Year (993-8518)		
Installation:	On-Site Installation Declined (900-9997)		
Misc:	High Output Power Supply Redundant, 870W (330-3475)		
Misc:	Power Cord, NEMA 5-15P to C14,15 amp, wall plug, 10 feet / 3 meter (310-8509)		
Misc:	Power Cord, NEMA 5-15P to C14,15 amp, wall plug, 10 feet / 3 meter (310-8509)		

SALES REP:	Christopher Whitaker	PHONE:	512-725-0324
Email Address:	Christopher_Whitaker@Dell.com	Phone Ext:	67509

Please review this quote carefully. If complete and accurate, you may place your order online at www.dell.com/qto (use quote number above). POs and payments should be made to *Dell Marketing L.P.*

If you do not have a separate agreement with Dell that applies to your order, please refer to www.dell.com/terms as follows:

If purchasing for your internal use, your order will be subject to *Dell's Terms and Conditions of Sale-Direct* including Dell's U.S. Return Policy, at www.dell.com/returnpolicy#total. If purchasing for resale, your order will be subject to *Dell's Terms and Condition of Sale for Persons or Entities Purchasing to Resell*, and other terms of Dell's PartnerDirect program at www.dell.com/partner. If your order includes services, visit www.dell.com/servicecontracts for service descriptions and terms.

Quote information is valid for U.S. customers and U.S. addresses only, and is subject to change. Sales tax on products shipped is based on "Ship To" address, and for downloads is based on "Bill To" address. Please indicate any tax-exempt status on your PO, and fax your exemption certificate, with seller listed as *Dell Marketing L.P.*, to Dell's Tax Department at 800-433-9023. Please include your Customer Number.

For certain products shipped to end-users in California, a [State Environmental Fee](#) will be applied. For Asset Recovery/Recycling Services, visit www.dell.com/assetrecovery.



QUOTATION

QUOTE #: 512888911
 Customer #: 18859960
 Contract #: 70137

Customer Agreement #: Dell Std Terms

Quote Date: 10/28/09

Date: 10/28/09 3:26:47 PM

Customer Name: CAROLINE COUNTY

TOTAL QUOTE AMOUNT:	\$1,953.30		
Product Subtotal:	\$1,953.30		
Tax:	\$0.00		
Shipping & Handling:	\$0.00		
Shipping Method:	Ground	Total Number of System Groups:	1

GROUP: 1	QUANTITY: 1	SYSTEM PRICE: \$1,953.30	GROUP TOTAL: \$1,953.30
Base Unit:	Dell 4220 42U Rack with Doors and Side Panels, Ground Ship NOT for AK / HI (224-4934)		
Video Card:	2200VA UPS 120 Volt, Battery Backup and Protection ,2U RackMount (310-4343)		
Service:	Basic: Business Hours (5X10) Next Business Day Parts Delivery 2Year Extended (992-1802)		
Service:	Basic: Business Hours (5X10) Next Business Day Parts Delivery Initial Year (992-5080)		
Service:	Dell Hardware Limited Warranty Extended Year (993-4108)		
Service:	Dell Hardware Limited Warranty Initial Year (993-4117)		
Installation:	On-Site Installation Declined (900-9997)		

SALES REP:	Christopher Whitaker	PHONE:	512-725-0324
Email Address:	Christopher_Whitaker@Dell.com	Phone Ext:	67509

Please review this quote carefully. If complete and accurate, you may place your order online at www.dell.com/qto (use quote number above). POs and payments should be made to *Dell Marketing L.P.*

If you do not have a separate agreement with Dell that applies to your order, please refer to www.dell.com/terms as follows:

If purchasing for your internal use, your order will be subject to *Dell's Terms and Conditions of Sale-Direct* including Dell's U.S. Return Policy, at www.dell.com/returnpolicy#total. If purchasing for resale, your order will be subject to *Dell's Terms and Condition of Sale for Persons or Entities Purchasing to Resell*, and other terms of Dell's PartnerDirect program at www.dell.com/partner. If your order includes services, visit www.dell.com/servicecontracts for service descriptions and terms.

Quote information is valid for U.S. customers and U.S. addresses only, and is subject to change. Sales tax on products shipped is based on "Ship To" address, and for downloads is based on "Bill To" address. Please indicate any tax-exempt status on your PO, and fax your exemption certificate, with seller listed as *Dell Marketing L.P.*, to Dell's Tax Department at 800-433-9023. Please include your Customer Number.

For certain products shipped to end-users in California, a [State Environmental Fee](#) will be applied. For Asset Recovery/Recycling Services, visit www.dell.com/assetrecovery.

PSAP Grant Program Grant Ranker

View Application--84--Madison County CPE

Grant Period: 2011

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: Continuity and Consolidation **Grant Type:** Individual PSAP

Priority: CPE (CPE)

Primary PSAP Applicants: Madison County

Jurisdictions Served: Madison, Town of
Madison, County of

Project Director:

Robert Finks
911 Director
P. O. Box 705
540-948-5144 (phone)
540-948-5147 (fax)
rfinks@madisonco.virginia.gov

Project Description:

Total Project Cost \$48,533.00

Amount Requested: \$48,533.00

Statement of Need:

This is the first grant that Madison County 911 has applied for. The County has been able to keep up with the costs with the psap until now. Madison County funds a maintenance contract on the CPE equipment. We have been informed that the vendor will not renew the contract due to the age of the equipment. The cost of bringing the equipment and software up-to-date is \$48533. Madison County will still fund the maintenance if we can update the equipment. Without this grant funding, response times for breakdown of the 911 equipment would be unknown. Charges for parts and labor would be excessive. It would be a major impact on the safety of the citizens and public passing thru the County. If we can receive this funding, we will work with the vendor to make sure that we budget enough each year to replace a percentage of equipment so that it does not all hit at once to be replaced. With the current economical situations that the county is occurring, funding to update this equipment would probably not be available in this budget cycle. We are therefore applying for assistance.

Comprehensive Project Description:

Our goal is to upgrade the cpe equipment so that the maintenance contract can stay in place resulting in keeping downtime of the 911 system to a minimum. Our objective is to work with Centurylink to replace all of the 911 workstations and to budget each year afterwards to replace a workstation a year. CenturyLink has quoted the equipment and can install each workstation one at a time in the course of a few weeks once we give them the go ahead. From the time we order the upgrade, it will take one month to get all the equipment and two weeks afterwards to install it. Once this is done, we plan on budgeting the replacement

of one station each year to keep the system up-to-date for increased longevity.

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

With the upgraded equipment and software it should be easier for any change that would be made for next gen 911. It will also bring the software up to the most current version.

Budget and Budget Narrative:

Attached is the quote from Embarq (now CenturyLink) for the system upgrade

Evaluation:

We will monitor the progress of the update and will work with CenturyLink to make sure the project is a success.

Attachments

Madison County CPE Upgrade.xls



EMBARQ
Embarq Centurion Maintenance

Customer Legal Name: -
 Customer Billing Name: E911 Madison County
 107 Church Street
 -
 Madison, VA 22727

Valid Until September 27, 2009

Contract Term: 12 Months (Best Value not available for term below 36 months)

Description	Quantity	Annual Standard Rate		Annual Extended Rate	
		Unit	Total	Unit	Total
WKST INTG HP XW4600 XP	2	1,800.36	3,600.72	2,160.48	4,320.96
WKST INTG HP XW4600 XP	1	-	-	-	-
WKST INTG HP XW4600 XP	5	-	-	-	-
4-CHANNEL, PCI SOUND CARD	5	-	-	-	-
CBL DELTA44 NORSTAR	5	-	-	-	-
WKST INTG HP XW4600 XP	1	-	-	-	-
SENTINEL CPOST HARDWARE	1	-	-	-	-
19IN BLACK 360 DEGREE SWIVEL LCD	7	-	-	-	-
4PORT USB SOHO KVM SWITCH	1	-	-	-	-
NetClock/GPS Master Clock	1	547.68	547.68	657.24	657.24

Options Included:
-
-
-
-
-
-

SUBTOTAL: ANNUAL RECURRING EQUIPMENT COVERAGE.....	\$ 4,148.40	\$ 4,978.20
TOTAL ANNUAL RECURRING COVERAGE CHARGES	\$ 4,148.40	\$ 4,978.20
TOTAL <u>CONTRACT TERM</u> RECURRING COVERAGE CHARGES	\$ 4,148.40	\$ 4,978.20

CONTRACT TERM: 12 Months

Project Notes

July 29, 2009

-
107 Church Street

-
Madison, VA 22727

Labor Hours:

Replace Sentinels: 4 hours ea. 5 x 3 = 20 hours

Replace SMART: 3 hours

Replace SEALI: 3 hours ea. 2 x 3 = 6 hours

Replace STATS: 3 hours

Replace CommandPOST pc: 4 hours

Replace Netclock: 3 hours

Do upgrades: 18 hours

Total: 57 hours

Hours approved by Howard Ohlson 7-29-09

PSAP Grant Program Grant Ranker

View Application--85--Suffolk Police 2011

Grant Period: 2011

Tier: Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)

Grant Program: Continuity and Consolidation **Grant Type:** Individual PSAP

Priority: Voice Recorders and logging system (**VOICE**)

Primary PSAP Applicants: Suffolk Police Communications

Jurisdictions Served: Suffolk, City of

Project Director:

Sandra Springle

Sergeant

111 Henley Place

757-514-7927 (phone)

757-514-4225 (fax)

sspringle@city.suffolk.va.us

Project Description:

Total Project Cost \$148,755.00

Amount Requested: \$148,755.00

Statement of Need:

The City of Suffolk's Emergency Communication Center currently uses a Maxi B-2181 Pyxis logging recorder system which was installed in 2004. There are several deficiencies that have been identified with the current system. These areas of concern are as follows: 1. This is an analog system. 2. The motherboard has been discontinued by the manufacturer and other parts for this system are in limited supply. 3. The current software system is technically outdated and not supported by the manufacturer. 4. The operating system of the current recorder is Microsoft Windows 2000 Professional which is technically outdated and no longer supported by Microsoft. Any software upgrade to the current system would require a hardware up-grade. 5. The current logging recorder would require hardware and software upgrades to be compatible with Next-Generation digital systems. 6. Over the past year, there have been instances where personnel have not been able to retrieve (find) recorded voice transmissions. There have also been times where the recorders will continuously record dead air. These instances are intermittent. Maintenance representatives have reviewed this and offer no clear explanation for the cause. 7. The current system does not time stamp any transmissions thus requiring extra documentation to verify accurate time.

Comprehensive Project Description:

Goal: Improve the efficiency and accuracy of the PSAAP by upgrading the logging recorder from an analog to digital system. Objective 1: Submit Request for Proposals for a new logging recorder system.

Implementation Strategy: Evaluate current system and new systems on the market. This is currently being done by speaking with current vendor and receiving information from other vendors. Also, City IT personnel

and Emergency Communication Operators will have input into this venture. We will also view neighboring localities equipment and get their input. Objective 2: Within 90 days of grant approval, Review all vendors' solicitations and make selection on new logging recorder. Implementation Strategy: Invite vendors for demonstration. Implementation Strategy: Select vendor. Objective 3: Within 180 days of grant approval, receive logging recorder and training. Implementation Strategy: Work with vendor to accept logging recorder and coordinate training so all those needing training will receive it. Objective 4: Within 210 days of grant approval, perform tests and critique equipment. Implementation Strategy: Utilize the logging recorder and create evaluation form to be completed by all users. Tabulate results and advise vendor of possible modifications if necessary. Objective 5: Sustainability. Implementation Strategy: Work with vendor through extended maintenance program and include future funding needs in annual operating budget.

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

The City of Suffolk and the Emergency Communication Center is committed to becoming P25 compliant. While this will be phased in over several years, the equipment will need to be compatible with current equipment and the new equipment. The current system will not meet this need as the proposed logging recorder will. In the Hampton Roads area, the Department is part of the Urban Areas Security Initiative Port Security Grant Project. A new logging and recording system would be compatible with IP system that will be utilized in that project.

Budget and Budget Narrative:

A vendor quote is attached. The equipment requested is necessary to establish a new digital logging recorder. An explanation of the quote is as follows: This 64 Channel recorder will provide the police and fire departments with room to expand well into the future (\$57,673). Raid-5 Resiliency is multiple drives for redundancy (\$6,500). Dual AIT-1 Drives are long-term storage tapes (\$100). Software installation is necessary on each computer (\$2,863). The 600 Ohm Impedance is a filter (\$100). Scenario license replay is an application to retrieve multiple sources from one incident (\$4,500). Installation by the vendor is necessary for this system (\$3,273). Training is necessary to learn the new system and all users will receive training (\$3,273). The logger slide rail is for rack mounting (\$455). The mix configuration application is to allow both analog and digital recordings (\$2,000). Around the clock (24/7) Service is necessary for a 24/7 operation because the need to retrieve recordings could be a life or death situation (\$7,300). The 24/7 service will continue for three additional years along with the manufacturer's warranty (\$41,418). The Calls Logger Storage is for long-term storage (\$19,300).

Evaluation:

After installation and training. Emergency Communication Operator Supervisors will be asked to evaluate the system based on a questionnaire created. The questionnaire will ask about ease of use, speed and comprehensiveness (does it provide all stated features). Over the period of the next year after installation, the PSAP supervisor, Sergeant Springle will check the system in the same manner. She will conduct a series of tests to secure recordings and prepare for playback.

Attachments

Budgetary Quote.pdf

Budgetary Quote

TERMS: NET 30 DAYS

11/16/2009

City of Suffolk Police



Qty	Model	Item Description	Suffolk Price	EXTD
1	TT1102	64 CHANNEL LOGGING RECORDER	\$ 57,673.00	\$ 57,673.00
1	TT04569AA	ADD: RAID-5 RESILIENCY	\$ 6,500.00	\$ 6,500.00
1	TT04569AA	ADD: DUAL AIT-1 DRIVES (REPLACES DVD RAM)	\$ 100.00	\$ 100.00
7	TT04561AA	ADD: SW INSTALL PER WORKSTATION	\$ 409.00	\$ 2,863.00
1	TT04563AA	ADD: 600 OHM IMPEDANCE	\$ 100.00	\$ 100.00
3	DDN88318	ADDL SCENARIO REPLAY LICENSE	\$ 1,500.00	\$ 4,500.00
1	DQPS1D	INSTALLATION	\$ 3,273.00	\$ 3,273.00
1	DQPS1D	TRAINING	\$ 3,273.00	\$ 3,273.00
1	DDN9692A	LOGGER SLIDE RAIL	\$ 455.00	\$ 455.00
1	DDMIXCONF	MIX CONFIGURATER	\$ 2,000.00	\$ 2,000.00
1	DQDELTA	24/7 SERVICEMAINTEANCE DELTA	\$ 7,300.00	\$ 7,300.00
1	DQPSCLSHW1A	CLS SYSTEM INCLUDES SERVER< SOFTWARE AND 3 LICENSES	\$ 19,300.00	\$ 19,300.00
1	DGGLSPPT	3 YR GOLD LITE SUPPORT	\$ 41,418.00	\$ 41,418.00
Total:			\$	148,755.00

Level	Support Coverage	Call Back	On-Site Response Time for
Gold Lite	Phone/Remote Support - Twenty-four (24) hours, seven (7) days per week On-Site Support - Eight (8) hours, five (5) days per week. (8 to 5)	Sixty (60) minutes after receipt of call from Motorola	Six (6) hours

ORDERS WILL NOT BE ACCEPTED FOR THE ITEMS QUOTED ABOVE UNTIL A COMPLETE EVALUATION OF THE SYSTEM HAS BEEN PERFORMED. ALL ATTEMPTS TO PROVIDE AN ACCURATE QUOTE HAVE BEEN MADE. HOWEVER, MOTOROLA IS NOT RESPONSIBLE FOR ANY OMISSIONS OR ERRORS WHICH MAY BE IN THIS QUOTE DUE TO THE SHORT TURN-AROUND REQUIREMENT.

Prepared by: Mick Kaufman
 Motorola Manufacturer Representative
 Phone: 757-523-9716
 Fax: 757-523-9726
 mick.kauffman@cox.net