

PSAP Grant Program Grant Ranker

View Application--170--Mobile Mapping

Grant Period: 2010

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

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

Priority: Mapping System (**MAPPING**)

Primary PSAP Applicants: Richmond County

Jurisdictions Served: Richmond, County of
Warsaw, Town of

Project Director:

Christopher H. Jett
Technology Director (E-911 Coordinator)
101 Court Circle, P.O. Box 1000, Warsaw, VA 22572
804-333-1100 (phone)
804-333-3408 (fax)
cjett@co.richmond.va.us

Project Description:

Total Project Cost \$84,700.00

Amount Requested: \$84,700.00

Statement of Need:

Richmond County received funding from the Wireless E-911 Services Board during FY04 to upgrade its existing single position of Eagle mapping to Eagle Mapped ALI, allowing E-911 calls to be plotted on the PSAP mapping system (along with the VBMP orthophotography) with one click of a mouse when a 911 comes in, as well as to add a second position of the mapping software to the PSAP. This upgrade and additional position has greatly improved the response capabilities of the Richmond County dispatchers when handling 911 calls, especially wireless 911 calls. However, during emergency response, a level of difficulty still remains for the dispatchers when relaying detailed location information for a call to vehicles such as Sheriff's deputies, Town police officers, fire trucks, and/or ambulances in the field, especially when a 911 address may not be displayed properly at a subject property. This is especially true when responding to emergencies that are reported from wireless phones and are in locations that is not near an identifiable structure or public roadway. Any difficulty that response vehicles have in finding the subject of a call can mean the difference between life and death or the difference between minor damage and complete loss of a structure in the case of a fire. In order to address this issue related to the proper relay of location information and response alternatives (such as multiple accesses to a subject location), Richmond County wishes to provide its first responders with mobile versions of the very same mapping resources that the dispatchers already have access to within the PSAP. Richmond County feels that, by providing this mapping to its first responders in the field, it will be able to greatly enhance the provision of Wireless E-911 service and response within the locality, a primary purpose of the Wireless E-911 Services Board's PSAP Grant Program. In order to provide the mobile Eagle mapping software to all of the emergency response vehicles

that will benefit from it, Richmond County wishes to purchase 20 licenses of mobile Eagle from MSAG Data Consultants. Three of these licenses will be allocated to the Richmond County Volunteer Fire Department, three will be allocated to the Town of Warsaw Police Department, two will be allocated to the Richmond County Rescue Squad, and the remaining 12 will be allocated to the Richmond County Sheriff's Office and other Emergency Services response vehicles. The total estimated initial cost of the 20 software licenses is \$13,900, with an additional \$10,800 estimated for three years of pre-paid software maintenance. While the Town of Warsaw, Rescue Squad, and Volunteer Fire Department have existing laptops that are sufficient to run the proposed mobile Eagle software, the current PCs that are used by the Richmond County Sheriff's Office deputies are Tablet PCs that are several years old and incapable of running the proposed software at an acceptable level, especially when taking into consideration the large hard drive and memory requirements for proper display of the VBMP orthophotographs. In addition, the existing Tablet PCs are not built to handle the rugged nature of being used within response vehicles, resulting in an unnecessary level of required hardware maintenance. Recommended hardware specifications for running mobile Eagle, provided by MSAG Data Consultants, list an Intel Core 2 Duo processor at 2.53 GHz, 4 Gb of RAM, and a 250 Gb hard drive. The Sheriff's Office's existing Tablet PCs have only single Pentium M processors at 1.5 GHz, 500 Mb of RAM, and only a 30 Gb hard drive. The County's 2007 VBMP orthophotos alone require storage in excess of 22 Gb. As a result, Richmond County is also proposing the purchase of 12 Panasonic CF30 Toughbook fully rugged notebook PCs to address this hardware need for the Sheriff's Office response vehicles. The Toughbook notebook PCs are estimated to cost \$5,000 each with a four year warranty included, with the total purchase cost of the 12 notebook PCs estimated at \$60,000. The E-911 Wireless Services Board currently provides Richmond County approximately \$45,000 annually. However, this funding is already being utilized to offset the maintenance costs of the County's E-911 CPE, voice logging recorder, and Eagle mapping software maintenance, as well as personnel costs for dispatchers and IT support staff. Mapping system and mapping workstations are listed as priorities 2 and 3 under the FY10 PSAP Grant Continuity and Consolidation Program. Without the award of this \$84,700 (\$24,700 for software and \$60,000 for hardware), the Richmond County PSAP will be unable to provide the desired mapping resources to its first responders in the field and will be forced to continue operation as is, where the proper relay of detailed location information between the dispatchers and first responders during certain calls can become very difficult.

Comprehensive Project Description:

Richmond County wishes to provide its first responders in the field with the very same mapping resources that its dispatchers have access to within the PSAP. Currently, the County's PSAP has two functional positions of the Eagle Mapped ALI software, allowing dispatchers to plot calls on a digital map of the County (along with 2002 and 2007 VBMP orthophotography) with one click of a mouse when 911 calls come in. However, during emergency response, a level of difficulty still remains for the dispatchers when relaying detailed location information for a call to vehicles such as Sheriff's deputies, Town police officers, fire trucks, and/or ambulances in the field, especially when a 911 address may not be displayed properly at a subject property and/or when responding to emergencies that are reported from wireless phones and are in locations away from any identifiable structures and/or public roadways. In order to address this issue, Richmond County is requesting grant funding to purchase 20 licenses of mobile Eagle, from MSAG Data Consultants, to be placed within the County's emergency response vehicles. Three of these licenses will be allocated to the Richmond County Volunteer Fire Department, three will be allocated to the Town of Warsaw Police Department, two will be allocated to the Richmond County Rescue Squad, and the remaining 12 will be allocated to the Richmond County Sheriff's Office and other Emergency Services response vehicles. While the Town of Warsaw, Rescue Squad, and Volunteer Fire Department already have laptops capable of running the mobile Eagle software, the current Sheriff's Office deputies' mobile PCs are not capable of running this proposed software at an acceptable level (especially when taking into account the large hard drive and memory requirements for proper display of the VBMP orthophotographs). As a result, the County is also requesting grant funding to purchase 12 Panasonic CF30 Toughbook fully rugged notebook PCs, with Intel Core Duo processors, 2Gb of RAM, and 250 Gb hard drives, in order to address this issue. The total estimated cost of the 20 licenses of mobile Eagle software is \$13,900, with an additional cost of \$10,800 estimated for three years of pre-paid software maintenance. The proposed Panasonic CF30 Toughbook notebook PCs are estimated to cost \$5,000 each (including a four year warranty), with the total purchase cost of the 12 notebook PCs estimated at \$60,000.

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

The County plans to continue funding software support and maintenance on the proposed mobile Eagle licenses, beyond the three years of pre-paid maintenance requested through this grant program. This will allow all of the response vehicles to receive the benefit of any future enhancements that MSAG Data Consultants makes to the Eagle mapping software in response to future technologies. In addition, the proposed Panasonic CF30 Toughbook fully rugged notebook PCs will have the capacity to handle other software programs in addition to Eagle, without the need to purchase additional notebook PCs over the next five years.

Budget and Budget Narrative:

Richmond County is requesting a total of \$84,700 in grant funds to cover the cost of purchasing 20 licenses of the mobile Eagle mapping software from MSAG Data Consultants (for use by the County Sheriff's Office, the Town of Warsaw Police Department, the Richmond County Rescue Squad, and the Richmond County Volunteer Fire Department) and 12 Panasonic CF30 Toughbook fully rugged notebook PCs (for use by the Sheriff's Office response vehicles). The total cost of \$84,700 can be broken down into a cost of \$13,900 for the 20 licenses of mobile Eagle software, an additional \$10,800 for three years of pre-paid support and maintenance on those software licenses, and \$60,000 for the 12 Panasonic Toughbook notebook PCs, which includes a four year warranty on each PC.

Evaluation:

Evaluation of the success of Richmond County's Mobile Mapping project will include demonstration that the 20 licenses of mobile Eagle software have been purchased, have been installed, and are operational on mobile PCs carried in emergency response vehicles maintained by the Richmond County Sheriff's Office, Town of Warsaw Police Department, Richmond County Rescue Squad, and Richmond County Volunteer Fire Department. Evaluation of success will also include demonstration that the 12 Panasonic CF30 Toughbook fully rugged notebook PCs have been purchased, have licenses of mobile Eagle installed on them, and are fully operational in Richmond County Sheriff's Office emergency response vehicles.

Attachments

Microsoft Word - Richmond VA Mobile Eagle1029081.pdf
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Buy Tough Quote 46151.pdf



MooringTech, Inc.
 488 Edgewood Ave.
 Atlanta, GA 30312

Quote#: 46151

Quote Date: 10/30/2008 5:49:48 PM
 Company: Richmond County, VA
 First Name: Christopher H.
 Last Name: Jett
 Address: 101 Court Circle
 Address: P. O. Box 1000
 City, State, Zip: Warsaw, Choose your state:, 22572
 Phone: 804-333-1100
 Email: cjett@co.richmond.va.us

QTY	SKU#	DESCRIPTION	AMOUNT	UNIT PRICE
1	CF-30	CUSTOM CONFIGURED CF-30	\$3,255.00	\$3,255.00
1	CF-K30HD2502	250GB INTERNAL HDD *PANASONIC	\$270.00	\$270.00
1	CF-WKB303VM	PLASTIC EMISSIVE BACKLIT KEYBOARD	\$250.00	\$250.00
1	CF-WRBA602G	2GB MEMORY *PANASONIC	\$270.00	\$270.00
1	CF-VDM302U	DVD MULTI DRIVE (DVD-RAM/DVD-RW/CD-RW**)	\$350.00	\$350.00
1	CE-E01012-S1	11-IN-1 CARD READER/WRITER	\$50.00	\$50.00
1	CF-SVCLTNF4Y	4 YEAR PROTECTION PLUS	\$700.00	\$700.00

TOTAL: \$5,145.00

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October 29, 2008

Chris Jett
Technology Director
101 Court Circle
PO Box 1000
Warsaw, VA 22572

QUOTATION for 20 Mobile Eagle licenses and one year of technical support.

Dear Chris:

The following quotation is in response to your request for prices relating to twenty Mobile Eagles licenses and associated support. Updates for this software are completely compatible with the update routine that the PSAP receives each quarter.

SCOPE OF SERVICES:

Provide twenty Mobile Eagle licenses to the Richmond County.
Provide one year of 8:00 am to 5:00 pm technical support for those licenses.
Provide quarterly updates in the same fashion that you are currently receiving them.

Description	Cost
20 Mobile Eagle Licenses	\$13,900.00
One Year of technical support	\$3,600.00
Total	\$17,500.00

A detailed work order will be sent to Richmond County for signature in accordance with the Master Services Agreement between MSAG and Richmond County upon acceptance of this quote. If you have any questions about the above quote, please feel free to contact me at (540) 829-5669 or by email at wanda.ennis@msag.com.

Sincerely,

Wanda Ennis
Account Executive