

PSAP Grant Program Grant Ranker

View Application--117--AVL (Automated Vehicle Locator)

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: Other Continuity and Consolidation items (**OTHER**)

Primary PSAP Applicants: Christiansburg Police Communications

Jurisdictions Served: Christiansburg, Town of

Project Director:

Martha S. Cox

Lead Communications Officer / TAC

Christiansburg Police Department 10 East Main Street Christiansburg, VA 24073

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Project Description:

Total Project Cost \$105,769.00

Amount Requested: \$105,769.00

Statement of Need:

The addition of the AVL system would greatly increase the effectiveness of the police department and the communications center. While on duty we have approximately 10 patrol cars that are on a shift. This system would help us to track our units and be able to send the closest unit on a call; this would speed up the response time to calls for service which would be a valuable asset on particular calls. Our department has had the misfortune of losing two patrol officers in the line of duty and we strive to have equipment available in our communications office and patrol calls that would help us locate an officer down or who is not responding to radio traffic for some reason. With I-81, US Route 460, 11 and 8 running thru our jurisdiction there is the potential for any type of situation to arise. Our department would not be able to afford this system with out the help of grant funds, our operating budget does not allow for the purchase of this equipment thru our regular funding.

Comprehensive Project Description:

Our department is currently deploying mobile data terminals in our patrol cars and with that installation we will purchase the GPS systems that are necessary for this project. With grant funding we would purchase all the equipment needed for the communications office and the management of the AVL system. The communications office computer workstations will need to be upgraded in order to be able to display all of the mapping systems. Their current workstations will not hold the information and do not have a large

enough video card to display the information. In addition we will need to upgrade our communications servers in order to be able to store and retrieve information. Our current servers have reached capacity and will not be able to hold this information. The patrol cars would be set up for this first with all the equipment needed for their mobile data, and then if awarded with the funding we would add in the new computers, monitors, servers and other equipment for the communications center to start using the system. Our goal and main objective is to be able to track the location of our patrol cars, and be able to send the closest unit on a call. This will reduce our response times and allow us to provide a higher level of service to our community. In the future years our department will pick up the cost for maintenance on this equipment.

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

In addition to our patrol units going mobile with terminals in their vehicles this will create a better response time and allow better communication between our patrol vehicles and the communication center.

Budget and Budget Narrative:

A quote from our vendor is attached to this grant application that lays out the cost proposal for this grant that total is \$74141.00 In addition we will have to upgrade our communications office computer equipment to workstations that will allow for this system to be used with our other cad systems. Each workstation along with three monitors will cost a total of \$6500.00 each for a total of \$19500.00 for the workstations and monitors. And an additional large monitor that will display the location of our units on the wall in the communications office. This monitor will synchronize between the three communications workstations to show one map with all the units on the screen that computer monitor will cost \$2128.00 We will also have to replace our communications servers that have reached full capacity in order to run this software along with our mapping system. We will have to replace two of our communications servers at a cost of \$5000.00 each for a total of \$10000.00

Evaluation:

Our department will evaluate the software and performance of the system after it is installed we will check out the reports that are available with the system and evaluate our use and response times to calls.

Attachments

Christiansburg VA Budgetary Quote (5).docx
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BUDGETARY QUOTE

COST PROPOSAL FOR VITA GRANT SUMMARY

Software Conversion – Base Costs	\$11,150
GeoLynx AVL Automatic Vehicle Location – Base Costs	\$22,500
GeoLynx AVL Automatic Vehicle Location – Annual Costs (Five Years)	\$13,594
GeoLynx Stats Dispatch Analyst Extension Software – Base Costs	\$6,400
GeoLynx Stats Dispatch Analyst Extension Software – Annual Costs (Five Years)	\$7,302
GeoLynx Admin Software – Base Costs	\$1,995
GeoLynx Admin Software – Annual Costs (Five Years)	\$2,655
VITA Grant Summary Total:	\$65,596

COST PROPOSAL FOR CHRISTIANSBURG SUMMARY

Software Conversion – Annual Costs (one year)	\$4,625
IP AVL Client Interfaces – Base Costs	\$3,360
IP AVL Client Interfaces – Annual Costs (one year)	\$560
Christiansburg Summary Total:	\$8,545



