

## PSAP Grant Program Grant Ranker

# View Application--90--Staunton AVL Licensing

**Grant Period:** 2009

**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:** Staunton 9-1-1 Communications

**Jurisdictions Served:** Staunton

### Project Director:

Kurt Plowman

Chief Technology Officer

116 W Beverley St Staunton VA 24401

540-332-3824 (phone)

540-213-6600 (fax)

plowmanks@ci.staunton.va.us

### Project Description:

Purchase licensing to enable Automatic Vehicle Location (AVL) functionality on ten patrol vehicles to integrate with existing CAD and newly installed mobile data terminals. AVL will enable improved response time since the CAD system will automatically identify closest officers for critical calls for the quickest response.

**Total Project Cost** \$35,000.00

**Amount Requested:** \$28,000.00

**Matching Funds:** \$7,000.00

**Additional Local Funds:**

### Statement of Need:

This project will enhance the existing CAD and mobile data terminal investment by providing new functionality to improve response times.

### Project Impact:

This project improves response time with automatic identification of closest available officers on critical calls. Rather than the current dispatching methods based on districts, AVL will automatically identify units that are the closest to urgent calls and recommend them for dispatching. AVL will also improve officer safety. The exact location of a unit will be known in real-time. In the event an officer is unable to communicate via radio, the location of their patrol vehicle will at least be known aiding backup in providing assistance. Dispatchers will also get more accurate locations when units are involved in moving incidents since they will not be relying on officers to accurately report their current location. And dispatchers will be able to see in real time where other responding units are. AVL will also be able to provide location

assistance for the officer. Mobile data terminals are loaded with mapping and ortho photography. Incidents are noted on the maps. AVL will assist in determining the officers location in relation to the incident as well as locations of other units in the area. This is particularly useful for new officers or officers in a different district that may not be familiar with the area.

### **Consequence of Not Receiving:**

If funding is not received, implementation of AVL will be delayed 3 to 5 years for approval in the regular budget cycle.

**Part of Long Term or Strategic Plan?:** Yes

**Likelihood of Completion Unfunded?:** 25%

**Other Available Funding Sources?:** No

**Percent of Grant Funding Requested To Total Funding Cost?:** 80%

**Is Project Locally Sustainable?:** Yes

### **Comprehensive Project Description:**

Implementation of AVL leverages the current investment in CAD, mobile dispatch and mobile reporting. The City upgraded CAD software in 2004 with the purchase of OSSI's CAD and RMS system. The City installed mobile data terminals in three patrol vehicles in 2006 and equipped an additional seven patrol vehicles with mobile data terminals in late 2007, essentially equipping all front line and supervisory units with mobile data terminals. All mobile data terminal installs included GPS hardware and antennas, so patrol vehicles are equipped for AVL. The only missing component is software licensing to enable the AVL functionality with the CAD system. The proposed project will involve purchasing AVL licenses from OSSI for the vehicles and the server host licensing. OSSI's AVL integrates seamlessly into their CAD and Mobile Client software applications that the City is currently using. Configuration of the existing server and CAD software can be accomplished quickly. With testing and training, the whole project should be completed in less than 30 days.

### **What type of interface or compatibility solution will be used between existing equipment and/or software and that which you intend to purchase?:**

The AVL would integrate with existing OSSI CAD and newly implemented mobile data terminals. With the installation of the new mobile data terminals, GPS hardware and antenna were also installed.

### **What is the overall relationship of your project to your PSAP or locality's established long-range future plans?:**

AVL is the next logical step in automation for the PSAP and dispatch.

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

AVL will not only provide an immediate impact on improving PSAP readiness, but also enable new opportunities in the future. AVL would be able to provide historical reporting as to where units were positioned at a particular time or may be integrated with other security systems to enable access (ie: remotely unlock a fuel pump when an authorized vehicle enters the fueling station).

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

Purchase of AVL Licensing \$ 32,400 Implementation Services \$ 2,600 Total Project Cost \$ 35,000

### **Ongoing Expenses:**

Annual maintenance costs will be funded through the general budget.

### **Evaluation:**

Initial evaluation will be simple – are all units accurately being tracked in CAD mapping for dispatchers. Testing will also involve simulated and real calls to determine selection and routing algorithms are functioning correctly.

### **What are the short term, intermediate, and/or long-term outcomes desired for this project?:**

Improved dispatching of officers is the initial desired outcome. Long term goals include increased officer safety.

**What measures will be used to determine outcomes?:**

Comparison of response time with AVL to average response times prior to AVL.

**How will data be collected and how will evaluations be conducted?:**

Response time is a metric currently collected and measured.

**How will data be presented?:**

n/a

**Attachments**