

PSAP Grant Program Grant Ranker

View Application--73--Replacment of CAD Mobile Computer System

Grant Period: 2010

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

Primary PSAP Applicants: Roanoke Communications Dept.

Jurisdictions Served: Roanoke, City of

Project Director:

Mike Crockett
Manager Roanoke E-911
215 Church Ave SW Roanoke, VA 24011
540-853-2945 (phone)
540-853-1599 (fax)
michael.crockett@roanokeva.gov

Project Description:

Total Project Cost \$530,000.00

Amount Requested: \$150,000.00

Statement of Need:

Currently the City of Roanoke uses a mobile data system to dispatch police calls for service. This mobile application reduces the need to use the voice radio channels and gives the field responder access to more extensive incident details and location information. The current system will no longer be supported by the vendor at the end of 2009. The City has elected to upgrade to a more robust system capable of using a combination of public (cellular data) and private (802.11 hot spots) communication paths. The proposed system has the capability to add new communications technologies as they become available reducing the vulnerability to technical obsolescence. The new system also has builtin capability to support vehicle location technology as funding becomes available for more efficient allocation of field resources. Without replacing this system the City will not be able to provide the level of service currently being delivered to the public.

Comprehensive Project Description:

This project replaces the existing CAD mobile message switch and mobile computer applications with a system capable of switching between multiple communications paths. The City already has public (cellular data) available in the police vehicles for records management, reporting and plans to field this capability to the rest of the fleet. However the current CAD application for the mobile system is not capable of using this communication medium. The replacement proposed system is.

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

The proposed system is capable of switching between multiple communication paths. It is capable of working with any IP-based communication system as they are deployed in the future including possible 700MHz data system, P25 digital data networks and enhanced public safety networks. The system also has capability to support Automatic Vehicle Location technology for in vehicle routing and closest unit CAD recommendation to enhance resource utilization.

Budget and Budget Narrative:

"Proposed Price Summary (From Motorola) - Motorola CAD Application Software - Motorola PMDC Application Software - RadioIP Application Software - Other Hardware/Software - Server Hardware/Software - Implementation/Installation Total \$530,000 Less possible grant monies \$150,000 Balance to be paid by Roanoke \$380,000"

Evaluation:

The project will be measured by milestone points developed with a vendor and City. Formal system acceptance testing will be conducted.

Attachments