

Public Safety Communication System Upgrade and Mod -- No. 340901

Category
Subcategory
Administering Agency
Planning Area

General Government
Technology Services

Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 20, 2009
No
None.
On-going

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY08	Rem. FY08	Total 6 Years	FY09	FY10	FY11	FY12	FY13	FY14	Beyond 6 Years
Planning, Design, and Supervision	0	0	0	0	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	3,043	0	0	3,043	3,043	0	0	0	0	0	0
Total	3,043	0	0	3,043	3,043	0	0	0	0	0	0

FUNDING SCHEDULE (\$000)

Federal Aid	3,043	0	0	3,043	3,043	0	0	0	0	0	0
Total	3,043	0	0	3,043	3,043	0	0	0	0	0	0

DESCRIPTION

This project will provide for an upgrade and modernization of voice radio equipment used primarily by the County's public safety first responder agencies consisting of Police, Montgomery County Fire and Rescue, Sheriff, Corrections and Rehabilitation and Emergency Management and Homeland Security. Upgrades will be made to the subscriber equipment by replacement of mobile and portable radios, which will also include a enterprise telecommunications management and service tracking system to properly manage communications inventory and assets. As voice, data and video are beginning to converge to a single platform, this project will provide a pathway to a modern PSCS which reflects the potential technology advances as well as provides efficient and reliable systems for all users.

JUSTIFICATION

The Public Safety Communications System (PSCS) requires modernization, replacement and upgrades to apply current state of the art technologies. Manufacturer's support of parts and the existing public radio system is scheduled to be phased out December 31, 2009. Beyond that date the manufacturer will only continue to provide system support on an "as available" basis, but will not guarantee the availability of parts or technical resources.

In addition, as more of the County's regional partners migrate to newer technologies, it will affect not only interoperable voice communications, but will also diminish the critical mass for the vendor to sustain technical and equipment support in this area. To ensure that the County maintains reliable and effective Public Safety (voice radio) communications for the operations of its first responders and to sustain communications interoperability for seamless mutual aid among its regional partners, the County should commence planning and implementation of a program to upgrade and modernize its portable and mobile radio units and subsequently the PSCS communications infrastructure.

OTHER

Future years will include an assessment of the current radio system infrastructure to determine the feasibility of using portions of the existing infrastructure along with software upgrades and new networking equipment to permit full integration with the IP-based architecture of the newer technologies. Modernization of zone controllers, network management, simulcast and prime site controllers along with new base stations and comparator equipment may be necessary. Coordination with participating departments/agencies and regional partners will continue throughout the project.

FISCAL NOTE

Funding in FY09 includes Urban Area Security Initiative (UASI) grant funding of \$2.055 million and Fire Act grant funding of \$988,000.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP																																				
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