

EDWARD BYRNE MEMORIAL
JUSTICE ASSISTANCE GRANT (JAG) PROGRAM
SPRINGFIELD POLICE DEPARTMENT
FY 2010 LOCAL SOLICITATION
CFDA # 16.738
APPLICATION

EQUIPMENT AND TECHNOLOGY UPGRADE

PROGRAM NARRATIVE

Overview

The Springfield Police Department, as the organizational unit on behalf of the City of Springfield, respectfully submits this program narrative in support of our 2010 JAG Local Solicitation application. This application focuses on technology and equipment upgrades in support of increasing efficiency in administrative and field operations.

In 2009, we were fortunate to have participated in President Obama's American Recovery and Reinvestment Act Stimulus Grant fund program. Due to the size of the award, we embarked on a project to upgrade major operating and administrative processes. We prioritized our needs and went right to work replacing equipment and/or systems which were twenty five years old and beyond. Our need quickly outpaced the availability of funding so we identified that which was most critical, with a plan to continue the upgrade with future funding opportunities. This FY 2010 funding opportunity will extend our stimulus project upgrades. It is our intention to apply for \$267,704 dollars of the total \$267,704 allocation indicated in your agency allocation page.

As funding becomes available throughout the year, we continuously review funding opportunities that will best support overall operations. We weight the potential of the acquisition on the following criteria:

- 1. Improve operational efficiency.**
- 2. Reduce crime, fear, and disorder.**
- 3. Increase officer safety and public trust.**
- 4. Improve and enhance technology infrastructure.**

As in years past, upon notification of this years JAG solicitation, we held a number of meetings to establish and prioritize a list of needs pertaining to administrative and field operations within the Springfield Police Department. Department personnel, civilians and members of the public were present and privy to the discussions regarding current needs based on the criteria above.

In conducting an accurate assessment of the needs of the department, we started by carefully reviewing the **Byrne Formula Purpose Areas** as outlined in the **Omnibus Crime Control and Safe Streets Act of 42 U.S.C. 3711 3t seq., Section 501**.

Additionally, we reviewed and considered **Priorities** outlined in the **Purpose Areas** section of this years JAG grant announcement. We looked at current crime fighting programs and initiatives and compared such against that which is an allowed use as delineated in the suggested purpose areas.

The assessment process included a cost/benefit financial analysis with consideration to current programming, equipment needs, and the on-going effort to increase efficiencies in consideration of the tenants of **Smart Policing**.

The City of Springfield, like most medium sized urban cities across this country struggles to maintain core public safety services. The economic downturn (recession) has resulted in the reduction of local aid from the state to our municipality. At writing, the Governor of Massachusetts, Duval Patrick, is facing a \$600 million dollar state budget deficit which may result in further cuts to municipal aid to cities and towns across the Commonwealth. This would be devastating to the City of Springfield as sixty percent of the City of Springfield's entire operating budget comes in the form of state aid.

It suffices to say that fiscal margins are thin at best, and have been so for years. The need to maintain current staffing levels, properly equip and train the officers as well as participate in targeted enforcement far out paces the available revenue. For the foreseeable future, police department budget will barely keep pace with personnel costs. Beyond staffing, the Springfield Police Department budget provides for the purchase of a modest number of marked and unmarked patrol vehicles. All other equipment and technology needs have been met by and are limited to the availability of state and federal grant funding.

We faced similar economic stressors last year. In 2009, the Springfield Police Department was fortunate to have received JAG Stimulus and Non-Stimulus funding. Due to the size and scope of these grants, it provided an opportunity to embark on a program to upgrade equipment and technology that the City has not been able to purchase for over twenty five years.

After many meetings and extensive discussion, we have identified four areas within the police department which this 2010 JAG funding would ideally support. This application is limited to equipment and technology upgrades to facilitate Smart Policing by streamlining and upgrading critical systems in support of the identified needs.

Project Objective – to update and/or replace equipment and technology which has been identified as obsolete, defective or reached a point where the item has been deemed, “beyond it’s useful service life” status. Each item outlined in the program narrative is vital to increasing efficiencies and in support of the uninterrupted delivery of basic public safety response and support.

INFORMATION TECHNOLOGY

We have identified a number of items within the realm of Information Technology that are included in phase two of the upgrade project which began with the introduction of ARRA funding. The identified need has been broken down into two major categories; hardware and software.

Hardware Equipment

Network Server(s) (3) - \$20,000

The Springfield Police Department has 3 independent servers which support specialty divisions and or processes. These servers provide planned redundancy and seamless independent operation if and when our main operating server is out of service for either planned or unplanned outages. Currently, the Arson Unit, Court Division, and SPD internal back-up servers are over ten years old and now require significant support. These servers have been deemed unreliable and in need of replacement as they have reached the end of their useful service live.

Dell Work Stations – \$45,000 (30 units @ \$1,500/ea.)

In 2008, the Springfield Police Department embarked on a work station/equipment upgrade. There are approx 250 workstations department wide. The decision to upgrade has taken on a new sense of urgency as 48 of our current workstations will not support an upgrade to Windows 7 operating software. We are moving toward the installation of the new operating system, however, we are trying to upgrade as many workstations as possible to ensure seamless interoperability when the operating software upgrade takes place.

We selected the **Dell Optiplex 745 Desktop Computer (\$1,500 ea.)** to replace obsolete workstations. At this time, we seek to purchase 30 Dell all-in-one workstations to replace outdated technology.

Dedicated Work Stations – \$10,000 (5 units @ \$2,000/ea.)

In addition to the standard workstation(s) identified above, we have a need to dedicate servers in support of specialty IT functions. These workstations are “rack mountable”, unlike that of a conventional desktop station. We have identified the **Dell Power Edge Server (\$2,000 ea.)** to meet our need for rack servers. The following specialty software programs require a “rack mountable” dedicated server:

ArcView – The ArcView workstation provides the necessary “bridge” which connects our IMC crime data to our Crime View software. This connection provides for accurate and timely crime analysis which significantly increases efficiencies and minimizes redundancies.

Identix – This workstation supports the “bridge” between our Records Management System to our “Live scan fingerprint” machine.

Webstaff – This workstation facilitates the automated management of law enforcement resources. Webstaff manages the day to day staffing needs as well as planned and unplanned overtime based on need/surge.

Mobile Data – This workstation facilitates the virtual connection between our main server and the mobile data computers installed in all marked and unmarked patrol vehicles.

Internal Investigations Unit – This workstation supports investigative needs of our Internal Investigations Unit. This equipment will streamline IIU functions and provide the necessary investigative computing functions to facilitate data capture and data mining in support of an internal investigations process.

Software Upgrade

Microsoft Server and Workstation Operating Systems - \$50,000

- **Microsoft Windows Server 2008 Operating System – 10 units @ (\$2,000 ea.)**
- **Microsoft Windows 7 Operating System – 200 units @ (\$ 150 ea.)**

The Springfield Police Department currently utilizes one platform standard for servers and workstations, the Microsoft Windows Server 2003 Operating System and the windows XP workstation Operating system. The workstation operating system for this platform has reached it “end of life” service which forces us to migrate to a new workstation operating system which has already been released.

Keeping the Server OS & Workstation OS on the same platform allows the network environment to benefit all the key features and security components provided. Therefore it is essential to upgrade both components of this platform in unison, thus keeping us in line with the industry standard and avoiding compatibility issues.

TRANSPORTATION

Fuel Efficient Emergency Vehicle Initiative **Piaggio MP3 500 – \$30,000 (3 units @ \$10,000 ea.)**

In 2008, the Springfield Police Department, at the direction of Commissioner William J. Fitchet, initiated a program to implement “green” technology wherever possible when developing new law enforcement strategies. Specifically, we looked to flex fuel/fuel efficient alternative vehicles to kick off the initiative. In our 2008 Justice Assistance Grant application, we identified the Piaggio Motorbike MP3 500 as being the vehicle to achieve our goals of fuel efficiency without compromise to deployment strategy.

In August of 2009, we received and deployed 5 Piaggio Motorbikes. These motorbikes were purchased through a 2008 JAG opportunity. These “prototype” motorbikes exploit the newest technology of fuel efficiency, operator safety in support of our field and specialty deployments. The Piaggio Motorbike provides a new, innovative and economical, eco-friendly option to support a growing need to maintain current patrol functions while saving on fuel costs.

The Piaggio Motorbike has exceeded our expectations to date. Mechanically, these motorbikes have withstood the rigors of heavy acceleration, heavy braking and rough pavement surfaces. The emergency equipment engineered and installed by Whelen Emergency Equipment technicians have proven to be very effective. We seek to expand our current complement of five Piaggio Motorbikes by purchasing an additional (3), **units** outfitted with Whelen emergency lights and siren. That would bring our total Piaggio assets to (8) motorbikes.

Traffic Bureau/Motorcycle Unit – \$20,000 – (1 motorcycle)

The Springfield Police Department has had some form of motorcycle division for over 80 years. Currently, there are 9 Harley Davidson FLHP-Road King motorcycles assigned to the Traffic Bureau.

Through the ARRA JAG Stimulus Grant opportunity, we replaced 7 of the Harley Davidson police motorcycles. The remaining two motorcycles are approximately 13 years old. The average mileage per motorcycle is 50,000 miles. The remaining two units have been impeccably maintained and continue to provide daily service. However, the level of maintenance to keep these units safe is on the increase. Additionally, there have been significant technological advances in the last ten years, most notably anti-lock brakes and the lengthening of the motorcycle frame.

The remaining two units have reached the end of their useful service life. We look to trade in our two remaining units and purchase (1) Harley Davidson FLHP – with a full police package. This purchase will bring our total compliment of Harley Davidson Police Motorcycles to a total of (8) motorcycles. The unit price for the (7) new police motorcycles that were just delivered worked out to \$20,000 per motorcycle. This price

includes the cost of the motorcycle and the additional emergency police equipment which is an “add on” to the dealer price.

SPRINGFIELD POLICE DEPARTMENT - ACADEMY

Recruit Officer Desks & Chairs - \$25,000

The Springfield Police Department, with a compliment of 450 sworn officers and 100 civilian administrative staff, operates a full time police academy. The academy, under the direction of Lieutenant Kastrinakas, is responsible for training new recruit officers who are required to attend a six month recruit training class. The academy is also responsible for the continuing education or “In Service” training for all sworn personnel.

Currently, the City of Springfield is in the process of assuming ownership of a decommissioned Army Reserve Center (Arthur Macarthur USARC) located at 50 East Street, Springfield, MA. This facility will serve as the future home for our Police Academy. As such, there is a need to purchase student desks and chairs as well as office equipment for support staff.

The new furniture will increase efficiency by providing the equipment necessary to train more officers at one time, in one location. Currently, we run small classes and rely upon the Massachusetts Criminal Justice Training Academy to handle over-flow training needs. It is important for the Springfield Police Department to standardize all training and by properly outfitting our own training facility will ensure the opportunity to educate and train our staff either at the recruit level or through in-service training for our seasoned officers. A comfortable desk and chair will allow the student to concentrate more intently on the training material.

FLEET SERVICES DIVISION

Coats Tire Machine Model 5040 A/E - \$6,000

In 2009, the Springfield Police Department received non-stimulus JAG funding of which a portion was spent on the purchase of six new fully marked police cruisers. These six patrol vehicles added to the ten vehicles purchased by the City of Springfield. With the addition of the new vehicles to our fleet of marked, unmarked and specialty vehicles, comes the need for maintenance. Each model year, Ford Motor Company upgrades certain aspects of the Crown Victoria. We have found that we are having great difficulty changing and/or fixing flat tires as Ford has changed the wheel rim design. Our current COATS tire machine is approximately 15 years old and is not capable of servicing the new wheel design. Much time and effort is expended in addressing this growing problem. New patrol vehicles are placed “out of service” simply because of a flat tire. The vehicle sits until we can access a machine which is capable of servicing the wheel.

We propose to purchase a new COATS tire changer machine, **Model 5040 A/E**. This machine has “clamps” capable of servicing a wheel upto 21 inches, which meets and

exceeds our current need. COATS is the industry leader in tire machines and the 5040 A/E model will keep good tires on the new cruisers and essentially eliminate placing a new vehicle out of service because of a flat tire.

COMMUNICATIONS DIVISION

Motorola Portable 2-Way Radios - \$ 61,000

We propose to purchase **XTS 1500 Digital Portable (Handheld) Radios – (61 units)**. This purchase would extend our initial upgrade of portable, hand-held, digital 2-way radios which began last year through the ARRA JAG Stimulus opportunity. This upgrade would bring our radio replacement program to 60% of our identified need. The remaining 40% of the 10 year old Motorola analog portable radios will be replaced with the new Motorola analog/digital capable radios as future grant financing allows.