

Edward Byrne Memorial Justice Assistance Grant (JAG) Formula Program
FY2011 Local Solicitation:
Johnson County Equipment Purchase
Abstract Narrative

The Johnson County Sheriff's Office will be the administrative and fiscal reporting agency for the disparity funding grant on behalf of the cities of Lenexa, Merriam, Shawnee, Olathe and Overland Park for the Edward Byrne Memorial Grant. The Johnson County Sheriff's Office acknowledges that a disparity exists among Johnson County and the cities of Olathe, Lenexa, Shawnee, Merriam and Overland Park in Kansas. Projects funded through this grant are faceted for law enforcement and will include purchases of equipment to support programs and purchases for replacing aged and outdated equipment.

Lenexa License Plate Reader Program. The project funded for the Lenexa police department will support data sharing/linkage and policing as the agency will increase their capacity in their license plate reader program. Data collected through this process can be utilized by agencies that share in the multi jurisdictional ETAC program. Project Identifiers: Data Sharing/Linkage and Equipment-Tactical

Merriam Less-Than-Lethal Program. The project funded for the Merriam police department will support the less-than-lethal program. Merriam has chosen to purchase Tasers© which will be issued to officers in various areas of law enforcement. Project Identifier: Less-Than-Lethal

Olathe Equipment Update Project. The Olathe police department will pursue projects that replace aged and obsolete equipment. These projects include a less-than-lethal program in their purchase of Tasers© and Capsicum canisters, equipment-video/audio recording for belt recorders for officers interacting with the public, a policing program that will replace two aged radars, and a general equipment program for their replacement of a non-functioning printer. Project Identifier: Equipment-General

Overland Park and Shawnee License Plate Reader Programs. The police departments of Shawnee and Overland Park will use their JAG funding to support tactical enforcement and policing activities with their purchase of license plate readers. Both agencies believe the benefits of information gained through this purchase will increase enforcement action within their cities and aid in the recovery of stolen vehicles. Project Identifiers: Data Sharing/Linkage and Equipment-Tactical

The timeline for grant programs has been established with programs commencing thirty to sixty days after grant awards. Most programs have target dates for final equipment purchases no later than October 2011. Funds provided for the programs will improve the quality of service each agency provides to its community through their activities, upgrades and equipment purchases.

**Edward Byrne Memorial Justice Assistance Grant (JAG) Formula Program
FY2011 Local Solicitation:**

Program Narrative

The Johnson County Sheriff’s Office is applying for \$144,695 in grant funds through the Bureau of Justice Assistance Edward Byrne Memorial Local Law Enforcement Grant Program. The Johnson County Sheriff’s Office will assume the role of fiscal agent for the purposes of this coordinated grant and will administer the financial and programmatic requirements. Due to a disparate allocation between the county and the municipalities, a single joint application must be filed per the grant specifications. The Johnson County Sheriff’s Office is applying on behalf of the cities of Lenexa, Merriam, Olathe, Shawnee and Overland Park. A Memorandum of Understanding (MOU) among the eligible cities and Johnson County has been collected from and signed by each participating city and the County. On July 14, 2011, the objective for the Edward Byrne Memorial Justice Assistance Grant was presented to the Johnson County Board of County Commissioners (BOCC) and approved by the BOCC on July 21, 2011. The activity allowed for citizen comment and to obtain the BOCC’s approval with the BOCC’s chairman’s signature on the MOU. There were no public comments were received.

Component 1 (\$11,745) Lenexa Police Department Automatic License Plate Reader (LPR)

The Lenexa Police Department will purchase 2 ELSAG North America license plate reader (LPR) systems. The system will include 2 License Plate Readers, 2 Licenses and 2 engineering days either on site of in development lab.

The ELSAG North America LPR will enhance the current mobile LPR with two fixed systems. The previous data collected by the LPR has allowed identification and action in various areas of law enforcement, including but not limited to suspended and revoked drivers, wanted suspects, stolen vehicles recoveries, assistance with AMBER Alerts, gang and racketeering interdiction. In addition the LPR provides a searchable database for criminal intelligence.

The price for the ELSAG North America License Plate Reader system is \$37,853 with \$11,745 to be paid with the FY11 JAG funding and the additional \$26,108 to be paid from supplemented funding from the City of Lenexa.

Qty	Description	Unit Price	Total Cost
	Automatic License Plate Reader		
2	FPH 900 All in One Fixed high performance license plate reader-includes solid state 64GB hard drive, 2GB flash memory, three Ethernet ports, and two USB ports and shipping costs.	\$16,401.50	\$32,803
2	MPH-900 OPD Operations Center License	\$1,275	\$2,550
2	Engineering Days – Day rate from ELSAG North America engineering staff for on site or in lab development.	\$1,250	\$2,500
	Total Cost		\$37,853
	Less city additional funds		-\$26,108
	Total Federal Funds		\$11,745

Component 1 Time Line and Performance Measures

In year one October 1, 2011 – September 30, 2012

- 1) **30 days after grant award:** order will be placed through a local company ELSAG North America located in Olathe Kansas.
- 2) **120 days after grant award:** equipment will be in use and fully functional

Goals and Performance Measures for this project include:

- 1) Successful implementation and operation of LPR units in mobile operations
- 2) License for operation of the LPR system
- 3) Monitoring and follow up leads of mined data obtained from the LPR system

Component 2 (\$10,950) Merriam Police Department TASER® Electro Muscular Disruption Device

The Merriam police department will purchase TASER® electro Muscular Disruption Device (TASER®) for officer use. It has been shown the use of the TASER® in use of force encounters has reduced the amount of injuries to officers and suspects alike. There are not enough devices to equip every officer while working extra assignments i.e., SWAT call outs, court security assignments, and investigations. With enough supply to outfit every officer with their own TASER®, the weapon will be available for all officer assignments. TASER® cartridge damage has been cited as a result of excessive handling among officers. With the purchase of additional cartridges and one to one TASER® assignment, the reduction of damage to cartridges should be reduced.

Price of the TASER® X26 Electro Muscular Disruption Devices and additional cartridges is \$10,950

Qty	Description	Unit Price	Total Cost
	TASER® Electro Muscular Disruption Devices		
13	X26 TASER® Compressed nitrogen propulsion and transmits HEMI impulses. Effective at a distance up to 35 feet.	\$785	\$10,205
24	TASER® Cartridges for X26 TASER®	\$30	\$720
	Estimated Shipping Costs	\$25	\$25
	Total Cost		\$10,950

Component 2 Time Line and Performance Measures

In year one October 1, 2011 – September 30, 2012

- 1) **1-30 days after grant award:** bids will be obtained on taser equipment and cartridge supplies
- 2) **31-60 days after grant award:** order for equipment purchase will be issued to vendor.
- 3) **61-90 days after grant award:** issue equipment to personnel for field use

Goals and Performance Measures for this project include:

- 1) Successful implementation and operation of taser to personnel
- 2) Cost savings realized from purchase of additional tasers and cartridges
- 3) Number of times tasers were deployed.

Component 3 (\$66,674) Olathe Police Department Taser®, Recorders, Radars, Printer and Capsicum Canisters

The Olathe Police Department will purchase 43 Taser® that will replace aging equipment, 90 Belt Recorders for audio recordings of citizen contacts, two Laser Radars which will replace current aged equipment and provide enhanced operation as newer technology has improved the equipment operation, four Oleoresin Capsicum Canisters to provide crowd control and deter civil unrest, one Bar code printer to replace aging technology and used primarily for property and evidence labels.

Several items will be replaced due to inoperable equipment, excessive repair costs and obsolete technology. Laser radars, due to aging, have experienced down time resulting in a loss of revenue. The replacement of these items will ensure updated technology, savings of equipment repairs and sustained revenue realized from enforcement infractions.

The Taser® currently in use will be replaced at the recommendation of the manufacturer due to the age of the equipment. Replacement Taser® will be utilized by front line personnel and will ensure positive operation of equipment.

Cost for the replacement equipment and crowd control items is estimated at \$66,674 and itemized below.

Qty	Description	Unit Price	Total Cost
	Replacement equipment and supplies		
43	Taser® Purchased from Ed Roehr Safety Products	\$1,000	\$43,000
90	Belt Recorders Used by patrol division	\$150	\$13,500
2	Laser Radars Purchased from Kustom Signals	\$3,200	\$6,400
4	Large Oleoresin Capsicum Canisters	\$400	\$1,600
1	Interface Systems Bar Code Printer	\$2,174	\$2,174
	Total Cost		\$66,674

Component 3 Time Line and Performance Measures

In year one October 1, 2011 – September 30, 2012

- 1) **30 days after grant award:** order will be placed through a local company ELSAG North America located in Olathe Kansas.
- 2) **120 days after grant award:** equipment will be in use and fully functional

Goals and Performance Measures for this project include:

- 1) Successful implementation and operation of LPR units in mobile operations
- 2) License for operation of the LPR system
- 3) Monitoring and follow up leads of mined data obtained from the LPR system

Component 4 (\$14,527) Shawnee Police Department ELSAG North America License Plate Reader (LPR)

The Shawnee Police Department will purchase 1 ELSAG North America license plate reader (LPR) system.

The ELSAG North America LPR will enhance the detection and apprehension of criminal offenders within the City of Shawnee generally, and will be used within areas identified through the Shawnee Police Department's DDACTs initiative.

The price for the ELSAG North America License Plate Reader MPH-900 ALPR system is \$21,505 with \$14,527 to be paid with the FY11 JAG funding and the additional \$6,978 to be paid from the City's Special Narcotics Special Revenue Fund in FY2012.

Qty	Description	Unit Price	Total Cost
	Automatic License Plate Reader		
1	MPH- 900 ALPR License Plate Reader Reads plates from all 50 states, alerts within milliseconds and features multi-level alarms, versatile camera configuration and data sources.	\$21,505	\$21,505
	Total Cost		\$21,505
	Less city additional funds		(\$6,978)
	Total Federal Funds		\$14,527

Component 4 Time Line and Performance Measures

In year one October 1, 2011 – September 30, 2012

- 1) **1- 30 days after grant award:** Select requested equipment and obtain cost estimates
- 2) **31-60 days after grant award:** Collaborate with IT staff to identify necessary software and hardware support for project
- 3) **61-90 days after grant award:** Request funds for equipment purchase
- 4) **91-120 days after grant award:** Receive equipment and installation
- 5) **121+ days after grant award:** Equipment in use and operational

Goals and Performance Measures for this project include:

- 1) Successful implementation and operation of LPR unit in mobile operations
- 2) Use is the described areas for DDACT initiative
- 3) Monitor and follow up leads of mined data obtained from the LPR system
- 4) Report the number of arrests from equipment in use.

Component 5 (\$40,799) Overland Park Police Department Automatic License Plate Reader (LPR)

The Overland Park Police Department will purchase two ELSAG North America license plate reader (LPR) systems. The system will include two License Plate Readers, and two Licenses.

The ELSAG North America LPR will allow use of this LPR technology to efficiently gather plate information and aide in apprehension of wanted criminals. This LPR technology can provide measurable benefits by helping officers in enforcement action. Use of this equipment will become beneficial in recovery of stolen vehicles, locating drivers with active warrants or suspended license and identification of expired or stolen license plates. In addition the LPR provides a searchable database for criminal intelligence.

The price for the ELSAG North America License Plate Reader system is \$42,650 with \$1,851 to be paid with federal forfeiture funds or from the general operating budget from the City of Overland Park.

Qty	Description	Unit Price	Total Cost
	Automatic License Plate Reader		
2	MPH 900XE Mobile license plate reader includes LPR processor, 6 cameras, cables and related software.	\$20,350	\$40,700
2	Operations Center License	\$975	\$1,950
	Total Cost		\$42,650
	Less city Additional Funds		(\$1,851)
	Total Federal Funds		\$40,799

Component 5 Time Line and Performance Measures

In year one October 1, 2011 – September 30, 2012

- 1) **1-180 days after grant award:** Obtain bids for equipment
- 2) **181+ days after grant award:** Order and receive equipment, put equipment into operation

Goals and Performance Measures for this project include:

- 1) Successful implementation and operation of LPR units in mobile operations
- 2) License for operation of the LPR system
- 3) Monitoring and follow up leads of mined data obtained from the LPR system
- 4) Report the number of arrests made as a result of LPR equipment