

APPLICATION FOR

1. TYPE OF SUBMISSION Application Non-Construction		2. DATE SUBMITTED 06/01/2009	APPLICATION IDENTIFIER
		3. DATE RECEIVED BY STATE	STATE APPLICATION IDENTIFIER
		4. DATE RECEIVED BY FEDERAL AGENCY	FEDERAL IDENTIFIER
5. APPLICANT INFORMATION			
Legal Name City of Beverly		Organizational Unit City of Beverly Police Department	
Address (city, state, and zip code) 191 Cabot Street Beverly, Massachusetts 01915-5879		Name and telephone number of the person to be contacted on matters involving this application Dave Richardson (978) 921-6046	
6. EMPLOYER IDENTIFICATION NUMBER (EIN) 04-6001379		7. TYPE OF APPLICANT Municipal	
8. TYPE OF APPLICATION New		9. NAME OF FEDERAL AGENCY Bureau of Justice Assistance	
10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE Number: 16,804 CFDA Title: 16.804 - Recovery Act - Justice Assistance Grants - Localities		11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT Beverly Police Crime Prevention Program	
12. AREAS AFFECTED BY PROJECT City of Beverly			
13. PROPOSED PROJECT		14. CONGRESSIONAL DISTRICT(S) OF	
Start Date: 07/01/2009	Ending Date: 06/30/2013	a. Applicant MA06	b. Project MA06
15. ESTIMATED FUNDING		16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?	
a. Federal	\$55,794	Program is not covered by E.O. 12372	
b. Applicant	\$0		
c. State	\$0		
d. Local	\$0		
e. Other	\$0		
f. Program Income	\$0	17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?	
g. Total	\$55,794	N	
18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT, THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS REQUIRED.			
a. Typed Name of Authorized Representative Mark Ray		b. Title Chief of Police	c. Telephone number (978) 921-6039
d. Signature of Authorized Representative			e. Date Signed

Previous Editions Not Usable

Standard Form 424 (Rev 4-88)
Prescribed by OMB Circular A-102

Program Narrative (Attachment 2)
Part I ALPR

The Beverly Police Department and the City of Beverly currently face a fiscal budgetary crisis. In the current economic downturn, state aid to cities and towns has been drastically reduced, public safety budgets have been trimmed to the lowest levels in years, and the Beverly Police Department is currently facing an additional budget reduction of approximately 7% for FY 2010. This reduction will ultimately reduce staff, technology, and effectively eliminate crucial crime prevention and community policing programs. These financial constraints will impinge on the way we police our community.

Local crime prevention strategies are a vital element in the overall approach to crime problems. Community and Officer mobilization as well as strengthening the resources already provided within our community is important in problem solving to develop local solutions to crime. Without adequate staffing, technology, and local collaborations between the community, and business's, the police department will run the risk of operating prevention programs in isolation and this will lead to an ineffective approach to crime prevention overall within our community.

The Beverly Police Department has adopted a proactive approach to law enforcement. One very important aspect is to prevent crime before it occurs, rather than depleting critical resources to respond to a crime after it occurs. A proactive approach through complete crime analysis and Officer deployment is an effective method that saves time, money and lives. The aforementioned approach requires strong staffing levels, improved technologies, community commitment and involvement.

The City of Beverly has a population of approximately 40,000 residents and is located twenty miles north of Boston. Beverly is home to 3 college campuses, 9 public and 8 private schools, 9 elderly housing complexes, 2 major business parks, a regional hospital, and an airport as well as infrastructure facilities and hubs for electricity, natural gas, and telephone as well as a power plant within a quarter mile of Beverly's waterfront.

The Edward Byrne JAG grant funding will help facilitate the Beverly Police Departments mission and enhance our innovative technological strategies that have had a direct positive impact on public disorder crimes identified from the analysis of criminal trends and address other issues of societal concern. The enhanced crime prevention strategies will continue to accentuate the Beverly Police Departments committed Community Policing philosophy and continue a partnership with the community in problem solving. With funding from the Edward Byrne JAG grant we will continue to conduct and coordinate operations targeting crime trends of thefts, burglaries, robberies and alcohol-related offenses. Funding from this grant will provide the necessary financial means to implement the Automated License Plate Recognition System to be referred to as (ALPR). Enhanced technology in crime prevention strategies will provide the community with the necessary services that the citizens of Beverly expect to receive from its Police Department and provide the resources to continue addressing and overcoming its quality of life issues during this fiscal crisis.

Information is one of the lifelines of public safety. There is no lack of available information; however, systems to properly capture and use data in a timely and effective manner are not always in place. The vehicle license plate is a major public identifier that has been successfully used by public safety for years. The plates have long

been matched to information in computer systems for identification, registration and enforcement purposes. The current system requires personnel to query the plates for a specific purpose. In recent years, technology has been developed to automate this process. One system that has been recognized for its value-add is the Automated License Plate Recognition (ALPR). This effective tool provides a solution to simplify the license plate data collection, comparison and result distribution process. ALPR is a cutting edge technology that "reads" vehicle plates as they enter the view of either a vehicle-mounted or stationary ALPR camera. The license plate numbers are transmitted and a comparative analysis is performed against numbers stored in designated existing databases, the databases currently exist to match known plates for wanted felons, persons of interest, stolen vehicles, vehicles associated with amber alerts, or any other vehicle of interest. Matches to these known databases are then sent remotely via email to the appropriate official, whether it is an officer, a dispatcher, or an intelligence or fusion center.

This technology is a true force multiplier for public safety agencies. In most agencies, the current practice for running plates involves an officer or dispatcher typing in a plate number for a database check. On average an officer may be able to check 50-100 plates in an eight-hour shift using conventional methods, the ALPR system is capable of checking tens of thousands. While this method has been working for years, it is limiting in the number of vehicles that are checked and allows the opportunity for entry errors.

ALPR technology removes the human element from the input equation and routinely checks all vehicles within camera-view automatically. In addition to the added efficiency, the technology eliminates one manual task for the officer on the street, potentially increasing safety and better officer deployment. With the ALPR automatically running the plate, the officers place his focus on the other critical actions occurring during each contact with the knowledge that the vehicle is being queried. To further aid in the court system effectiveness, the ALPR system can be used to reduce the number of Profiling Cases that come up by removing the officer from the process of checking the plate. It becomes a tool to support the officer in their crime investigation efforts. The system sees and captures all license plates regardless of driver or the vehicle.

The ALPR can also be collecting data when there is no law enforcement available. The stationary positioning can provide for input at key locations. The locations could be areas surrounding infrastructures or key assets, high volume public areas where safety is a concern, or areas of high criminal activity. Once the plate has been transmitted by the ALPR, the collected data is then exported to the main stations computer system, which performs massive intelligence and analysis capability. The advantage of the ALPR is that it provides:

- Increased numbers of plates entered into the system for comparison
- Increased timeliness of plate comparison
- Ability to enter and search partial plate entries for matching to know full vehicle entries.
- Queries around a known location of a crime to identify potential suspects.
- Capability to enter plates of known suspects to identify locations in which they have historically been recorded
- Data sharing across law enforcement agencies and multiple jurisdictions for broader intelligence and analytics.

The Objectives of this ALPR investment are:

- To augment data sharing across multiple locations and agencies.
- To enhance Fusion Center technology.
- To advance intelligence operations.
- To identify and apprehend wanted suspects or known terrorist.
- To expand and enhance the Terrorism Early Warning (TEW) process.

The effectiveness of the ALPR grows with the increased backend databases. As the equipment becomes available it is critical that the number of license plates that are available for comparison also increases. Many of the current sources of comparative information available are regional. As this project expands, naturally so will the geographic area. Vehicles move quickly from one jurisdiction to the other and it is critical that the ability to match them and share the information is regionalized. Additionally, this investment is expected to expand regional collaboration on all matters of intelligence sharing and to enhance our ability to prevent, protect and adequately respond to threats of terrorism.

Capabilities/Competencies:

Through the assistance and guidance of the vendor company, the agency will be able to fully manage this new technology and maximize its full capacity. The Chief and appropriate staff using the system will be trained in how to use the system and testing will be completed for ease of use. Funds for this project will be directly allocated to this project thereby not encumbering any other funding.

Impacts/Outcomes, Evaluation and Sustainability:

Once the system is implemented, the data will be collected from the centralized database and reports can be compiled, reflecting the effectiveness and efficiency of the system. The expected outcomes will be illustrated in the number of arrests made, stolen vehicles recovered and offenders of violent crime being arrested in relation to the examples presented above. Funds for this project will be directly allocated to this project thereby not encumbering any other funding. The data will be evaluated by agency personnel and used to determine how it can be best used or improved and also to justify the addition of more systems within the agency or on stationary locations in the community. The acquired data can be made available to the National Institute of Justice for their evaluation and consideration as to the replication of similar systems in other parts of the country. Effectiveness of the data collection can be cited from the examples presented above.

Part II BICYCLE PATROL UNIT

The Bike Patrol Units focus is assisting the public, crime prevention, deterrent patrol checks and special event assistance. The BPU has been an effective tool in preventing criminal activity by its stealth response, greater visibility, faster arrival for service, and the BPU also receives effective intelligence from the personal contact an officer has by being deployed in a two officer bicycle unit.

The Beverly Police have had a bike patrol unit in service since the mid 1990's. This grant funding will greatly enhance our capability to provide a greater amount of committed service time from our bike patrol unit. We will increase the hours of operation and add select area integration for crime prevention purposes with the bike patrol unit. Two Officers will be assigned in tandem to patrol, hot spot or other designated areas of interest, the assignment area will be designated after careful analysis and direction from the operations division and crime analysis unit. Due to the financial fiscal crisis the City of Beverly has and is facing the BPU has been drastically reduced. With funding from the Edward Byrne JAG grant, the BPU will be fully reinstated, enhanced and deployed.

Performance Measures

Evaluation methods will include written and on-line citizen surveys, crime analysis, formal program evaluations, and Citizen Council Advisory Council meetings along with public forums, as well as implementing crime-mapping technology to track our programs success. CAC meetings and crime prevention forums will be monitored to evaluate the number of participants as well as to ensure participants are of the targeted population. Every Officer participating in any Crime prevention program will complete a Community Action Form designed to clearly identify community concerns, citizen recommended solutions and suggested program improvements. The evaluation methods described above will provide the necessary data to monitor the programs success and meeting our goals, also to provide the necessary feedback from our citizens as to whether the implementation of these programs impacted the problems within their neighborhoods and community.

Review Narrative (Attachment 3)

The Byrne JAG application was presented to the Beverly Citizen Council (governing body), on March 14th for their approval. The application was unanimously approved. The JAG application was made public via the Salem Evening Newspaper and via the Beverly Police Departments web site www.beverlypd.org. The public was invited to comment and express their interests to a dedicated email address posted on our website. The Citizen Advisory Council was also involved in this process; the council is comprised of citizens and local business leaders, along with leaders of local agencies and educational institutions.

The Beverly Police Department is not part of a disparate jurisdiction, thus no MOU is required.

Abstract (Attachment 4)

The Beverly Police Department will be implementing the “Beverly’s Safer Streets Program” under this grant application and funding of \$55,794. It will be a Comprehensive Technology Driven Approach to Preventing and Reducing Crime through the use of Automatic License Plate Recognition Technology and the use of the existing Beverly Police Bicycle Patrol Unit.

The Beverly Police Departments Goals for this grant-funded project will be to attain a reduction in crime by implementation of proven crime prevention strategies, Bicycle Patrol Unit implementation and the enhanced benefits of the new ALPR technology.

We will be purchasing an Automated License Plate Recognition System for the purpose of increasing efficiency and decreasing the workload on an already over-burdened court system by giving prosecutors much needed hard evidence to use when cases are presented to the court. And equally as important to better maximize the use of officer patrol time by reducing the time it typically takes to run a license plate. This system will automatically handle this process for our agency. This will achieve better utilization of staff, thereby decreasing the amount of lay-offs and staff reductions due to current economic situations that face all Police Departments across the country.

We feel that the purchase and implementation of this system will greatly benefit the community and this agency by dramatically increasing our effectiveness in the field to fight crime and support the court system. The goals of this project include increased effectiveness of officer duties and greater safety, lessen the over-burdened court system by giving prosecutors the hard evidence they need to prosecute criminals and a substantial reduction in unsolved cases of stolen vehicles and the apprehension of more serious criminals.

In addition to the ALPR system, the “Safer Streets Program” will fund our Bicycle Patrol Unit, which has been idle due to the lack of funding from reduced local aid to cities and towns of the Commonwealth of Massachusetts, as well as a forecasted cut of an additional 7 % from the Police budget for FY 2010. The bike patrols focus is assisting the public, crime prevention, deterrent patrol checks and special event assistance. The Bike Patrol allows for greater visibility and faster response for service. The Beverly Police have had a bike patrol unit in service since the mid 1990’s. This grant funding will greatly enhance our capability to provide a greater amount of committed service time from our bike patrol unit. We will increase the hours of operation and add select area integration for crime prevention purposes with the bike patrol unit.

Budget Detail:

A. Personnel

<u>POSITION</u>	<u>COMPUTATION</u>	<u>COST</u>
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Bike Patrol Program

OT Patrol Officers (2)	52 weeks X 4 hrs. X 1 days	\$ 16,155 .
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Automated License Plate Recognition (ALPR) Traffic Program

OT Patrol Officer (1)	104 weeks X 4 hrs X 1	\$ 16,155.
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Grant Administration

Administrator(1)	19 hrs. X 38.89 hourly	\$ 739.
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Sub Total =	\$ 33,049.
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Personnel expenses will be used for officer's salaries while performing the duties of the aforementioned programs.

B. Fringe Benefits N/A

C. Travel N/A

D. Equipment

Automated License Plate Recognition (ALPR) System \$ 22,745.

Enhanced technology in crime prevention strategies will provide the community with the necessary services that the citizens of Beverly expect to receive from its Police Department and provide the resources to continue addressing and overcoming its quality of life issues

E. Supplies N/A

F. Construction N/A

G. Consultants/Contracts N/A

H. Other Costs N/A

BUDGET TOTAL = \$ 55,794.

Budget Summary

<u>Budget Category</u>	<u>Amount</u>
A. Personnel	\$ 33,049.
B. Fringe Benefits	\$0
C. Travel	\$0
D. Equipment	\$ 22,745.
E. Supplies	\$0
F. Construction	\$0
G. Consultants/Contracts	\$0
H. Other	\$0
 Total Direct Costs	 \$ 55,794.
I. Indirect Costs	\$0
 TOTAL PROJECT COSTS	 \$ 55,794.
 Federal Request	 \$ 55,794.
Non-Federal Amount	N/A

Grant adjustment notification request for 2009-SB-B9-2058

The Beverly Police Department is requesting a grant adjustment to purchase a computer server to complete the Automated License Plate Reader system, the cost of this server is \$5400.00. This item was omitted from the original grant application and budget as we had been advised that our present police department computer server would be able to accommodate this new technology. This complication was not discovered until the primary camera and in car system had already been installed. At this time we would like to reallocate funding from two other areas within the budget of this grant. 1. Bike Patrol-reducing this line of the budget by \$2700.00. 2. ALPR Traffic Program-reducing this line by \$2700.00. The combined total: \$5400.00 which would be taken from the Personnel Line of the grant budget.

As you are well aware Municipal Police Budgets have been streamlined and the reallocation of funds from within this grant budget will be necessary to complete our goals and objectives as proposed this grant funding.

Respectfully Submitted,

Sergeant David Richardson

Training Coordinator/ Grants Administrator

U.S. DEPARTMENT OF JUSTICE
OFFICE OF JUSTICE PROGRAMS

Recovery Act – Justice Assistance Grant (JAG) Program

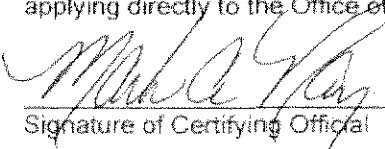
Certification as to Recovery Act Reporting Requirements

On behalf of the applicant entity named below, I certify the following to the Office of Justice Programs, U.S. Department of Justice.

I have personally read and reviewed the section entitled "Accountability and Transparency under the Recovery Act" in the program announcement for the Recovery Act grant program identified above. I have also read and reviewed section 1512(c) of the American Recovery and Reinvestment Act of 2009 (Public Law 111-5), concerning reporting requirements for grants. I agree that the applicant will comply with the reporting requirements set forth therein with respect to any grant the applicant may receive under the Recovery Act grant program identified above.

I acknowledge that a false statement in this certification may be subject to criminal prosecution, including under 18 U.S.C. § 1001. I also acknowledge that Office of Justice Program grants, including certifications provided in connection with such grants, are subject to review by the Office of Justice Programs, and/or by the Department of Justice's Office of the Inspector General.

I have authority to make this certification on behalf of the applicant entity (that is, the entity applying directly to the Office of Justice Programs).


Signature of Certifying Official

Mark A. Ray
Printed Name of Certifying Official

Chief of Police
Title of Certifying Official

City of Beverly Police Department
Full Name of Applicant Entity

May 18, 2009
Date

U.S. DEPARTMENT OF JUSTICE
OFFICE OF JUSTICE PROGRAMS

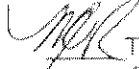
Recovery Act – Justice Assistance Grant (JAG) Program

General Certification as to Requirements for Receipt of Funds
for Infrastructure Investments

On behalf of the applicant State or unit of local government (including tribal government) named below, I certify the following to the Office of Justice Programs ("OJP"), U.S. Department of Justice:

I have personally read and reviewed the section entitled "Eligibility" in the program announcement for the Recovery Act grant program named above. I also have personally read and reviewed section 1511 of the American Recovery and Reinvestment Act of 2009 (the "Recovery Act"), which requires a specific certification prior to receipt of Recovery Act funds for infrastructure investments.

Initial the statement that applies:



The applicant identified below **does not intend to use** any portion of any funds received under this Recovery Act grant program for any infrastructure investment. Should this intention change, the applicant will promptly notify OJP, and (except to the extent, if any, that OJP has given prior written approval to expend funds to conduct the review and vetting required by law) will not draw down, obligate, or expend any funds received under this Recovery Act program for any infrastructure investment project until section 1511 of the Recovery Act has been satisfied, and an adequate project-specific certification has been executed, posted, and submitted to OJP.



The applicant identified below **does intend to use** some or all of any funds received under this Recovery Act grant program for one or more infrastructure investment projects. Except to the extent, if any, that OJP has given prior written approval to expend funds to conduct the review and vetting required by law, I agree that the applicant entity will execute, post, and submit to OJP, prior to obligating, expending, or drawing down funds for such project, a project-specific certification that satisfies all of the requirements of section 1511 (including execution by the Governor, mayor, or other chief executive, as appropriate) for each such infrastructure investment project.

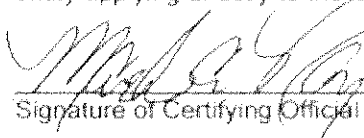
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U.S. DEPARTMENT OF JUSTICE
OFFICE OF JUSTICE PROGRAMS

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I have authority to make this certification on behalf of the applicant (that is, the governmental entity applying directly to the Office of Justice Programs)


Signature of Certifying Official

Mark A. Ray

Printed Name of Certifying Official

Chief of Police

Title of Certifying Official

City of Beverly Police Department

Full Name of Applicant Government Entity

May 18, 2009

Date

U.S. DEPARTMENT OF JUSTICE
OFFICE OF JUSTICE PROGRAMS

Recovery Act – Justice Assistance Grant (JAG) Program

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