

Commonwealth of Massachusetts
Executive Office of Public Safety and Security
Office of Grants and Research
Highway Safety Division
10 Park Plaza, Suite 3720
Boston, MA 02116
Tel: 617.725.3341

Application for Grant Funds (AGF)
FFY 2011 Automated License Plate Reader Grant Program
Deadline for Applications: Noon, November 29, 2010

All sections must be completed to be eligible.

Name and Complete Address of Department or Municipality Burlington Police Department 45 Center St Burlington MA. 01803			
Chief's Last Name Kent	First Michael	Middle Initial R.	
E-Mail Address mkent@bpd.org	Telephone 781-505-4920	Fax 781-270-1920	
Grant Contact Last Name Soda	First Name William	Middle Initial A	Title Patrolman/Technology Officer
E-Mail Address wsoda@bpd.org	Telephone 781-538-5391	Fax 781-270-1920	
Applicant Profile			
Does your department currently have any ALPR units in use? If so, how many?		0	
Number of full-time officers		64	
Number of part-time officers		14	
What is the population of your community according to the 2009 census?		24,602	
How large is your community (square miles)?		11.8	

Problem Identification

Category	2007	2008	2009
Number of unlicensed motorist citations	72	65	53
Number of uninsured motorist citations	15	15	39
Number of operating with a suspended	61	92	41

license citations			
Number of operating with a suspended license arrests	34	32	30
Number of stolen vehicles reports	28	27	12
Number of stolen vehicle arrests	3	1	2

Proposed Programming

Experience- Provide a summary of previous experience your department has with highway safety initiatives (Click It or Ticket, Massachusetts Law Enforcement Challenge, crash reporting, etc.).

The Burlington Police Department has consistently participated in the Massachusetts Law Enforcement Challenge. We are proud to have finished 4th in 2004, 3rd in 2006, silver category in 2007, silver category in 2008, and 2nd place in 2009. Additionally, one of our ideas was previously selected for the National IACP "Nifty Fifty."

The Burlington Police Department has participated in every Click it or Ticket traffic grant cycle form 2007 to present. We have opted to participate in the enforcement and education components of these mobilizations. Our department has also participated in the "Yellow Blitz" school bus mobilizations every year they have been run, involving all available patrol units, in addition to our traffic and safety units.

The Burlington Police Department has also been consistently recognized by AAA every year since 2006 with a National Gold Award for traffic safety programs. We believe that our participation and recognition within all of these programs has helped to bring awareness regarding traffic safety not only to all personnel within our department, but also to our community at large.

The Burlington Police Department handles numerous crash investigations and reports each and every day within our community which experiences a daytime population in excess of 100,000. We have recently switched from QED to IMC software. In addition to other numerous benefits, our IMC system will allow us the capability of "on-line submission" of motor vehicle crash reports to the Massachusetts RMV.

Timeline- Provide your projected timeline for unit purchase, training, and implementation (January 2011-June 30, 2011).

The Burlington Police Department will arrange for the purchase the Automated License Plate Reader immediately following the awarding of the grant. We fully expect to be able to have the unit installed, configured and operational within 45 to 60 days after the grant award. From past experience with the system, we anticipate adherence to this implementation timeline to be well within our capabilities. Based upon our previous experience with LPR, our plan for training is to extend roll calls for one hour, per officer. We will also train select personnel from all shifts as trainers in this system through our department's "Train the Trainer" program. In doing so we will be affording ourselves training resources that are scheduled at all hours of the day, available to assist officers at any time. Another plus with this training plan is that we can ensure, through these trainers with varied schedules, that the unit will be up and running on a consistent basis.

Project Activities- Describe your proposed deployment use (how many hours per day, per week, etc.).

It is well documented that criminal activity is often first noticed as a result of vehicle and traffic law violations. A traffic safety focus ties vehicle and traffic violations to potential "bigger" criminal apprehensions and highlights the relationship between traffic enforcement and crime. The LPR greatly enhances an officer's potential to observe traffic offenses by alerting on vehicles with existing violations such as suspended, revoked and expired registrations. The Burlington Police propose that this unit would be deployed on patrol 24 hours a day. We intend to purchase a second set of cabling and peripherals in order to have a second cruiser set up for the cameras in case the main cruiser is out of service for mechanical issues. Based on our two week trial in December of 2008, the majority of the officers in the patrol division request to operate the cruiser with the LPR over other available cruisers.

According to the town yearly report and www.citydata.com the Town of Burlington has 7 hotels (some of which are extended stay), the Burlington Mall, 3 major shopping centers, as well as multiple smaller shopping areas and several business and industrial complexes. Burlington is also home to the Lahey Clinic Medical Center and other satellite medical facilities. Our town lies at the intersection of two major highways (Rt. 95 and Rt. 3). All of that in addition to the multiple retail and business areas collectively results in Burlington's population to skyrocket to over 100,000 during the daytime.

The 12am to 8am shift has historically found that stolen vehicle are often recovered in large parking areas that are populated during the daytime hours. Officers on the midnight shift prefer this unit as we have multiple hotels, the mall and other parking areas that can be checked for stolen vehicles with ease and minimal time and effort during the late night hours. We intend to deploy this unit to high traffic areas and areas in town which have historically shown to be high violation spots using a data driven approach to crime and traffic safety (DDACTS) which will is provided by our crime analysis division.

Capabilities- Describe your department's technical capabilities to implement this program.

The Burlington Police Department is staffed with two "Technology Officers" within its Information Technology Unit (IT) which constantly strives to keep this department on the cutting edge with technology. In addition to the multiple systems we maintain, we have also had experience with these LPR systems in the past.

The Burlington Police IT Unit has a close working relationship with our regional NEMLEC LPR demo coordinator and has his full support to assist with any and all issues with this system, should they arise. The department's rank and file officers have shown to be very tech savvy on the whole. During our trial version of the LPR, these officers indicated time and again that the system was very easy to operate.

Goals- Identify specific, measurable, attainable, realistic and time-bound goals and objectives for this program (i.e. increase uninsured motorist violations by 20% over 2009 levels by August 2011).

Based upon discussions with the NEMLEC LPR demo coordinator and other area departments who currently employ License Plate Recognition systems, we fully expect to increase the number of citations and criminal complaints/arrests for unlicensed operation, unregistered and uninsured vehicles by 20% to 30%. Likewise we anticipate the number of warrant arrest and to increase approximately 20%. With the ability of the LPR to scan plates from a cruiser while driving in parking lots after business hours, we expect to be able to recover stolen motor vehicles in a much more timely fashion than we have in the past.

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Evaluation- Describe your evaluation plan (for example, a pre and post data comparison for your community during the grant period with the same time period in the previous year).

The Burlington Police have developed a plan to review the downloaded data from both our IMC records management system and the license plate recognition system provided monthly in comparison to data from the same month in previous years. The statistical analysis findings provided by our crime analysis unit will be provided for staff meetings among command officers who will then in turn relay the information to officers at roll calls. In undertaking this plan, a means of evaluating the impact of the Automated License Plate Reader will be afforded to us along with a tool which will help us to direct (and re-direct) our efforts accordingly to problems within our town and high activity areas. We are very confident that the LPR will prove to have a very positive impact for our community.

Additional Information- Provide any additional information about your current and/or proposed ALPR program you would like EOPSS to consider when evaluating your AGF response (major highways through community, commuter population).

The following data from the NHTSA shows an important need to interdict with traffic violators:

- The National Highway Traffic Safety Administration (NHTSA) estimates that currently in the United States there are forty (40) million license privileges that are revoked, suspended or denied for serious traffic violations.
- Forty-six (46%) percent of drivers involved in fatal crashes who have previous suspensions and/or revocations, were driving without a valid license (*NHTSA Traffic Safety Facts, 2006 Table 64*).
- Fifty (50%) percent of drivers involved in fatal crashes who had a previous DWI/DUI conviction, were driving without a valid license (*NHTSA Traffic Safety Facts, 2006 Table 64*).

Using license plate recognition systems as a traffic safety tool expands the observation/detection abilities of law enforcement personnel and alerts an officer to a major segment of the offender pool, the repeat offender, potentially allowing the officer to interdict this dangerous individual and as a result, prevent the next tragedy before it occurs.

As mentioned previously, the Town of Burlington lies at the intersection of two major highways (Rt. 95 and Rt. 3) and is situated adjacent to the intersection of Rt. 95 and Rt. 93 (in the neighboring City of Woburn). Because of this, Burlington is the perfect location for such an advanced and useful tool that the LPR provides. Strengthening this position is the fact that Burlington is home to the Lahey Clinic Medical Center, the Burlington Mall and Northeastern University (Burlington Campus) along with seven hotels, numerous restaurants and retail shopping locations.

BUDGET TEMPLATE

January 2011 - June 30, 2011- also provide specification sheet from your chosen vendor

Equipment	Cost/Rate	Total
Mobile License Plate Reader - Includes two units with LPR Processors, camera (color and IR LPR); Infrared illuminators, enclosures, junction box, cables and related software, Hedley mounts with a Clicker to be mounted on a Ford Crown Victoria.	16,350.00	16,350.00
Operations Center License	600.00	600.00
Total		16,950

Total funding requested \$ 16,950.00

Please Note:

If your department does not have an officer safety belt policy, 50% of your total grant award will be deducted. If your department falls into this category, please provide a statement agreeing that the balance will be paid by your department or that no funds will be awarded.

Grant recipients are required to provide an in-kind (soft) match which represents 20% of the total project cost. For example if you receive \$5,000, your 20% match would be calculated as follows: \$5,000 divided by 80% = \$6,250 X 20% = \$1,250.

FEDERAL IN-KIND MATCH REQUIREMENTS - REQUIRED

Item/Service	Quantity	Cost	Total
Training	64 Officer x 1 hour	45.00 per hour	2880.00
Installation time	2 Officer x 8 hours	45.00 per hour	720.00
1 extra power cord for an AD3 Split unit	1	125.00	125.00
1 extra Ethernet cable for an AD3 Split unit	1	100.00	100.00
extra GPS unit with USB extension	1	110.00	110.00
Grant preparation	16 man hours	45.00 per hour	720.00
Total in-Kind Match			4655.00

Department's plan to pay for additional maintenance and warranty costs:

The Burlington Police Department will be paying for the additional maintenance and warranty through approved funds within our own police operating budget. We anticipate the Automated License Plate Reader to have sustainable use beyond the grant period.

For EOPSS/HSD Use:

Revised Total Request:

\$ _____

Applications due on or before November 29, 2010 at noon to:

Dan DeMille, Program Coordinator
Executive Office of Public Safety and Security
Office of Grants and Research
Highway Safety Division
10 Park Plaza, Suite 3720
Boston, MA 02116

CHECK LIST

- Completed Application (original and 8 copies)
- Required Signatures
- Safety belt policy or commitment to establish one by DATE
- Contract Authorized Signatory Listing

Please note that in the event that your department or municipality is selected for an award, a Standard Contract Form and General Subrecipient Conditions will be provided for your signature at that time.

Before signing below, or obtaining signature, please be sure the entire application is complete.

ASSURANCES

The Burunaton Police Department/municipality acknowledges and agrees to comply with all grant contract requirements and performance measures. This municipality or department understands and agrees that a grant received as a result of this application is subject to the regulations governing highway safety projects and grant management requirements and will comply with all State and Federal Guidelines. Funding is based on availability of federal funds. I hereby acknowledge my understanding of the above grant requirements and will comply with the best of my ability:

Michael R Key + Chief of Police

Authorized Representative Name and Title (please print)

Please note that the signatory must be authorized to enter into a contract with the Commonwealth.

M. Key

Authorized Signature in blue ink

11-29-10

Date signed in blue ink

Deadline: An original application form with attachments, along with three copies, must be received by HSD by **noon on November 29, 2010**. Faxed and electronic responses will **NOT** be accepted.

*It is suggested that departments verify with EOPSS-HSD receipt of application prior to deadline (this is because of recent mail delivery problems). Please email Dan DeMille at Daniel.DeMille@state.ma.us to verify receipt.

Safety Belts

Policy [41.3.3] It is the policy of the Burlington Police Department that in order to:

1. ensure maximum operator and passenger safety; and,
2. minimize the possibility of death or serious injury as a result of a motor vehicle crash.

All members of the department shall wear safety belts when operating or riding as a passenger in any vehicle owned, rented or leased by the Burlington Police Department.

Procedures

- A. On-duty department personnel shall use the safety belts installed by the vehicle manufacturer, properly adjusted and securely fastened, when operating or riding in any department vehicle so equipped.
- B. The operator of any department vehicle is responsible for ensuring safety belt compliance by all occupants of the vehicle.
- C. Unless a replacement vehicle is unavailable, no person shall operate a department vehicle in which the safety belt in the driver's seating position is inoperable, nor shall any person be transported in a seating position in which the safety restraint is inoperable.
 1. Personnel who discover an inoperable restraint system shall report the defect to the patrol supervisor or shift commander.
 2. Prompt action will be taken to replace or repair the system.
- D. No person shall modify, remove, deactivate, or otherwise tamper with the vehicle safety belts except for vehicle maintenance and repair.
- E. Any person under arrest and being transported in a department vehicle is required to be secured in the vehicle by a safety belt in all seating positions for which the vehicle manufacturer provides safety belts.

Continued on next page

Safety Belts, Continued

**Procedures
(continued)**

1. An officer will not be required to fasten the safety belt:
 - a. of an arrestee that is violent, or potentially violent, to the point where the officer's safety would be jeopardized by attempting to fasten the safety belt.
 - b. when an arrestee has an injury that may be aggravated by the use of a safety belt.

- F. Whenever a child is transported in a department vehicle, the transporting officers shall ensure that:
 1. the department vehicle is NOT equipped with a prisoner transport divider.
 2. the appropriate child safety restraints, e.g., child safety seat, booster seat, are used.

- G. Any officer who has occasion to transport a child or infant in a department vehicle shall:
 1. attempt to use a child safety seat belonging to the parent or guardian of the child, unless the seat is reasonably believed to be unsafe.
 2. if a safety seat is not available, the department has a supply of safety seats stored in the mezzanine, which shall be used for transport, upon approval of a supervisor.
 - a. any department owned seat that is used for transport shall be returned immediately after its use to the place of storage
 - b. any discovered defects, in any department owned safety seat, shall be immediately reported to the supervisor and Traffic Safety Officer

Authority

All department supervisors are charged with the responsibility of ensuring that all department members comply with this directive.

COMMONWEALTH OF MASSACHUSETTS CONTRACTOR AUTHORIZED SIGNATORY LISTING



CONTRACTOR LEGAL NAME :
CONTRACTOR VENDOR/CUSTOMER CODE:

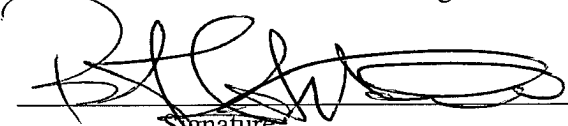
INSTRUCTIONS: Any Contractor (other than a sole-proprietor or an individual contractor) must provide a listing of individuals who are authorized as legal representatives of the Contractor who can sign contracts and other legally binding documents related to the contract on the Contractor's behalf. In addition to this listing, any state department may require additional proof of authority to sign contracts on behalf of the Contractor, or proof of authenticity of signature (a notarized signature that the Department can use to verify that the signature and date that appear on the Contract or other legal document was actually made by the Contractor's authorized signatory, and not by a representative, designee or other individual.)

NOTICE: *Acceptance of any payment under a Contract or Grant shall operate as a waiver of any defense by the Contractor challenging the existence of a valid Contract due to an alleged lack of actual authority to execute the document by the signatory.*

For privacy purposes **DO NOT ATTACH** any documentation containing personal information, such as bank account numbers, social security numbers, driver's licenses, home addresses, social security cards or any other personally identifiable information that you do not want released as part of a public record. The Commonwealth reserves the right to publish the names and titles of authorized signatories of contractors.

AUTHORIZED SIGNATORY NAME	TITLE
Michael R. Kent	Chief of Police
William A. Soda	Patrol Officer/Technology Officer
Robert Healey	IT Manager

I certify that I am the President, Chief Executive Officer, Chief Fiscal Officer, Corporate Clerk or Legal Counsel for the Contractor and as an authorized officer of the Contractor I certify that the names of the individuals identified on this listing are current as of the date of execution below and that these individuals are authorized to sign contracts and other legally binding documents related to contracts with the Commonwealth of Massachusetts on behalf of the Contractor. I understand and agree that the Contractor has a duty to ensure that this listing is immediately updated and communicated to any state department with which the Contractor does business whenever the authorized signatories above retire, are otherwise terminated from the Contractor's employ, have their responsibilities changed resulting in their no longer being authorized to sign contracts with the Commonwealth or whenever new signatories are designated.


Signature

Date: 11/29/2010

Title: Town Administrator

Telephone: 781-270-1635

Fax: 781-270-1608

Email: rmercier@burlmass.org

[Listing can not be accepted without all of this information completed.]

A copy of this listing must be attached to the "record copy" of a contract filed with the department.

COMMONWEALTH OF MASSACHUSETTS
CONTRACTOR AUTHORIZED SIGNATORY LISTING

Issued May
2004



CONTRACTOR LEGAL NAME :
CONTRACTOR VENDOR/CUSTOMER CODE:

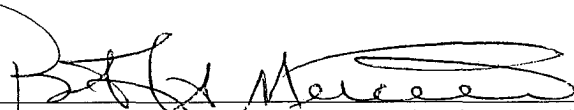
PROOF OF AUTHENTICATION OF SIGNATURE

This page is optional and is available for a department to authenticate contract signatures.
It is recommended that Departments obtain authentication of signature for the signatory
who submits the Contractor Authorized Listing.

This Section MUST be completed by the Contractor Authorized Signatory in presence of notary.

Signatory's full legal name (print or type): Robert A. Mercier

Title: Town Administrator

X 

Signature as it will appear on contract or other document (Complete only in presence of notary):

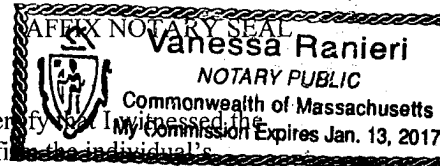
AUTHENTICATED BY NOTARY OR CORPORATE CLERK (PICK ONLY ONE) AS FOLLOWS:

I, Vanessa Ranieri (NOTARY) as a notary public certify that I witnessed
the signature of the aforementioned signatory above and I verified the individual's identity on this date:

November 29, 2010

Vanessa Ranieri

My commission expires on: 01/13/2017



I, _____ (CORPORATE CLERK) certify that I witnessed the
signature of the aforementioned signatory above, that I verified the individual's identity and confirmed the individual's
authority as an authorized signatory for the Contractor on this date:

_____, 20 _____.

AFFIX CORPORATE SEAL

ELSAG North America Law Enforcement Systems, LLC

412 Clocktower Commons
 Brewster, NY 10509
 Duns # 196140821
 Phone: 1-866-9MPH900 (967-4900)
 Fax: 336-379-7164

DATE

11/3/2010
QUOTATION

Delivered to:

Burlington Police Dept.
 Att: P.O. William Soda
 45 Center St.
 Burlington, Massachusetts 01803

Quotation valid until: January 31, 2011
 Prepared by: Pat Fox

Projected Arrival Date: TBD

(Please mail your PO to the address above or FAX copies to the number above and also FAX a copy to (518) 452-7777.

Receipt of Goods

NASPO Multi-State Contract #PC62119 Award #19745
Massachusetts Contract # HSL-01
WSCA # PC 62119 Hazardous Incident Response Equipment
(Contract term: September 2, 2005 - May 31, 2015)

MASSACHUSETTS EOPSS FY2011 AUTOMATED LICENSE PLATE READER GRANT

Model #	Description	Cost	Units	Amount
MPH-900X2AD3 SPLIT TRANS	Mobile License Plate Reader - Includes two units with LPR Processors, camera (color and IR LPR); Infrared Illuminators, enclosures, junction box, cables and related software. (REQUIRES INSTALLATION BY AUTHORIZED ELSAG N.A. PERSONNEL)	\$16,350	1	\$16,350.00
MPH-900 INSTALL	IN A TRANSPORTABLE RUGGEDIZED CASE. Hedley mounts with a Clicker to be mounted on a Ford Crown Victoria.			
OPERATION CENTER LICENSE	Operations Center License	\$600	1	\$600.00
			TOTAL	\$16,950.00

Service Plan for goods and services provided by the above quote

Year I	Free		
Year II	\$1,600.00 per year	Hardware and Software	
Year III	\$1,600.00 per year	Hardware and Software	
Year IV	\$1,600.00 per year	Hardware and Software	

Service Plan Includes:

- Software Updates
- Annual Training/Service
- Parts & Labor

Approval Signature: _____



ELSAG North America Law Enforcement Systems, LLC

412 Clocktower Commons
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 Duns # 196140821
 Phone: 1-866-9MPH900 (967-4900)
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Massachusetts State Contract # HSL-01
WCSA # PC 62119 Hazardous Incident Response Equipment
(Contract term: September 2, 2005 - May 31, 2015)

MASSACHUSETTS EOPSS FY2011 AUTOMATED LICENSE PLATE READER GRANT

Model #	Description	Cost	Units	Amount
ADDITIONAL CAR KIT	1 extra power cord for an AD3 Split unit (\$125.00), 1 extra ethernet cable for an AD3 Split unit (\$100.00) and 1 extra GPS unit with USB extension (\$110.00) for a Total of \$335.00 to power up an additional vehicle.	\$335	1	\$335.00
			TOTAL	\$335.00

Service Plan for goods and services provided by the above quote

- Service Plan Includes:
- Software Updates
 - Annual Training/Service
 - Parts & Labor

Approval Signature: _____

