

**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 Town of Hingham Police Department 212 Central Street Hingham, Ma 02043			
Chief's Last Name Mills	First Taylor	Middle Initial A.B.	
E-Mail Address millst@hingham-ma.com	Telephone (781) 749-1212	Fax (781) 741-1462	
Grant Contact Last Name Jones	First Name David	Middle Initial P.	Title Sergeant
E-Mail Address Jonesd@Hingham-Ma.com	Telephone (781) 749-1212	Fax (781) 749-2322	
Applicant Profile			
Does your department currently have any ALPR units in use? If so, how many?		No	
Number of full-time officers		48	
Number of part-time officers		20	
What is the population of your community according to the 2009 census?		22,342	
How large is your community (square miles)?		22.5 Square Miles	

Problem Identification

Category	2007	2008	2009
Number of unlicensed motorist citations	59	48	67
Number of uninsured motorist citations	61	54	53
Number of operating with a suspended license citations	88	101	113
Number of operating with a suspended license arrests	58	55	69
Number of stolen vehicles reports	10	6	15
Number of stolen vehicle arrests	1	2	5

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 Hingham Police Department is committed to and participates consistently in all available/applicable Highway Safety Programs. The Hingham Police Department is devoted to traffic safety issues and has a highly trained, fully staffed traffic enforcement division. There is a dedicated traffic car, and the unit is staffed on all shifts. The traffic division is responsible solely for high visibility traffic safety enforcement and investigation of all traffic accidents occurring within the town. All traffic officers are trained in at least basic accident investigation, with most being certified as accident reconstructionists.

The Department has participated in the mobilizations of “Click it or Ticket”, “Over the limit under arrest”, and also held several sobriety check points in conjunction with the Massachusetts State Police. The Hingham Police Department has adopted a “Zero Tolerance” policy (General Order, Police & Procedure #8.04) for safety belt enforcement. The policy states that “The use of seat belts and subsequent enforcement of their usage will be the mission of all police department personnel. The issuance of civil penalties over written warnings is the preferred disposition for violations of MGL c90 s13A & c90 s7AA.”

Timeline

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

The Hingham Police Department plans on purchasing the Federal Signal Company 3 Camera mobile ALPR system immediately upon receipt of grant funding for Fiscal year 2011. Assuming a January 2011 award date, purchase and installation will be done through MHQ in Marlborough, Ma, an authorized dealer and installer for Federal Signal equipment, and the ALPR PIPS systems in January. Training by Federal Signal Corporation will occur immediately after installation on the operation of the in vehicle software (PAGIS), as well as the BOSS (Back Officer Server Software) for administrative personnel. Supervisory staff would then instruct the end users of the product in the traffic division. Deployment of the unit would be immediate; Officers receiving training would be required to use the ALPR unit starting with their next assigned shift. The projected timeline for installation, training, and complete deployment would be by mid February assuming the January award date.

The Hingham Police Department would train all future officers assigned to the traffic division in the use of the ALPR system. The supervisor assigned to the traffic division would be responsible for maintaining the ALPR system and ensuring repair, maintenance, updates, etc that are required to keep the unit in proper working order. They would also be responsible for ensuring its consistent use and for the training of new officers entering the division.

Project Activities

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

The Federal Signal Company ALPR system would be installed in the department's dedicated traffic enforcement vehicle. This unit is staffed by one traffic supervisor and multiple officers on all shifts. The vehicle would normally be deployed town wide on all shifts (24 hours a day, 7 days per week) for constant high visibility traffic enforcement and accident investigations.

Capabilities

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

The Hingham Police Department is committed to traffic safety. With a fully staffed traffic enforcement division with specialized officers assigned to this unit we are capable of utilizing this unique equipment to its full potential by being able to deploy it town wide on every shift.

The traffic division has a supervisor (sergeant) assigned to the unit. This allows direct supervision of the use and proper operation of the equipment. The traffic sergeant would be notified immediately of any inconsistencies or failures in the units operation and would immediately have the unit serviced by authorized repair personnel. It is the department's intention to purchase an extended warranty policy annually, for the service life of the unit, from Federal Signal Company or an authorized repair center to cover any necessary repairs and to ensure its consistent use.

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).

The Hingham Police Department has several goals in regards to the implementation of the ALPR system. The following goals for the first year will be tracked using the department's software and measured against previous year's prior to the implementation of the ALPR system.

- **1 – Document a minimum of a 30% increase in the issuance of uninsured motorist citations (ch 90-34J).**
- **2 – Document a minimum of a 20% increase in the issuance of suspended/revoked license criminal citations/arrests.**
- **3 – Document a minimum of a 20% increase in the issuance of unlicensed operator criminal citations/arrests.**
- **4 – Document a minimum of a 30% increase in the number of recovered stolen vehicles and or stolen vehicle arrests.**

Statistical data would be collected from the date the unit is installed and all officers assigned to the traffic unit have been trained for a period of 1 year. The data would then be compared to the information for the coinciding dates from the previous 1 year period.

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 Hingham Police Department intends to maintain a database using the departments reporting software of all recordable data (ie-arrests, criminal citations, civil citation, and written warnings) for actionable data obtained by or that is able to be obtained by the ALPR system. Using the target figures listed in the goals section above, this department will evaluate the increase in activity in the specified target categories, as well as all the categories listed on page one of the AGF under "Problem Identification".

In addition this department intends to set up "action keys" using the Federal Signal PAGIS software. This will allow the user of the system to report his/her findings in response to a "hit" from the ALPR system. For example, if a "hit" was displayed on the system the officer would enter a response (using action buttons on-screen) to that "hit" in the PAGIS system, such as "Plate Misread", "Match Confirmed-

Criminal Citation”, “Match Confirmed - Arrest”, “Match Confirmed – Recovered Stolen Vehicle (no arrest)”, etc. This data, which would be accessible by an administrator and the traffic sergeant in the BOSS software, would allow this department to track how successful the ALPR is and the officer’s actions in response to a “hit”. This would also allow the department to fine-tune the software for misreads and allow for smoother user operation.

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 Town of Hingham Police Department is in a unique position to deploy an ALPR unit and use it to its fullest potential around the clock. Since the department has a dedicated traffic unit staffed on every shift we would be able to successfully deploy the unit continuously. The traffic unit is also town-wide, so the deployed unit would not be confined to a traditional sector or area of town for a shift, but rather would have access to the entire town.

The town layout also lends itself for a successful deployment of an ALPR. A major highway, Route 3, along with Route 228, Route, 53, and Route 3A traverse the town. This gives the Town of Hingham an extremely high level of commuter, resident, and visitor traffic on a daily basis. The town is also home to Wompatuck State Park, an area of approximately 4000 acres with several roadways and parking areas and 400 campsites. These campsites are home to a large transient population of campers during the spring, summer, and fall months. These visitors come in vehicles and park them along the roadside in parking lots or spaces lending this area to be a perfect location for ALPR patrols.

Several large shopping areas are located in the Town. The Derby Street Shops is located just off of Route 3 and houses 78 stores and restaurants. Large parking areas surround the stores. The location of this plaza and its proximity to Route 3 make it a location which is subject to extremely high amounts of vehicle traffic. The Lincoln Plaza located on Route 3A houses a Stop and Shop, 2 banks, and several other stores and office space. Anchor Plaza is also located on Route 3A and houses restaurants, a bank, and store fronts. These two locations are capable of holding several hundred vehicles. The Hingham Shipyard development houses several high-rise buildings with apartments and condominiums. This area is also home to several restaurants and bars, a large shopping area with several retailers, a bank, a pharmacy, a supermarket, and a movie theater.

Due to the town’s proximity to Boston, we also provide several mass-transit options. The MBTA offers commuter boat service to the City of Boston and houses a very large parking area for commuters in the Hingham Shipyard. This parking lot is

also used for tourists and visitors to the Boston Harbor Islands, a ferry service is offered to the islands, several of which are National Parks. The MBTA also has two commuter rail stations in the town, both of which have large parking areas. The MBTA also offers bus service to the north side of town, and has a parking area and bus stop near our down-town business district.

There are also several other locations in the Town of Hingham which lend itself to a successful ALPR program. Hingham houses the Second District Court of Plymouth County. This courthouse serves several local communities and has a large amount of vehicle traffic and parked motor vehicles. Hingham has several parking areas used for boaters and visitors to access the waterways. Hingham has a large industrial park area adjacent to Route 3, this area is home to several large business and two collaborative school locations. Also housed within Hingham is EMD Serono, a large global pharmaceutical and chemical group based in Germany, and a Blue Cross Blue Shield complex. Both of these locations offer distinct challenges to law enforcement and are often the target of protester and activist activities.

In recent years terrorism and counter-terrorism intelligence has become the focus of local law enforcement agencies. Use of the ALPR system will be a valuable asset in our municipality. The location of several potential targets of criminal activity in our town lends it to be a superior location for deployment of an ALPR system. A courthouse, commuter parking areas, large shopping complexes, and easy access via water or vehicle to the City of Boston provide several areas of interest directly related to anti-terrorism efforts. Use of an ALPR system in these key areas with dedicated and directed patrols with the equipped cruiser would allow us to obtain a large amount of data on the vehicles that are parked at or traveling through these sensitive areas. The Federal Signal ALPR software (BOSS) allows for archival of all data obtained by the unit and this data is also fully searchable via the supplied software.

BUDGET TEMPLATE

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

Equipment	Cost/Rate	Total
Federal Signal PIPS - 3 camera system	15,250.00	15250.00
PIPS-SRVC (software installation and service contract)	2,900.00	2900.00
PIPS-SVC-MAINT-Mobile (2yr maintenance contract)	1,815.00	1,815.00
PIPS-SVC-MAINT-BOSS (2yr maintenance – server)	108.00	108.00
Total	20,073.00	20,073.00

Total funding requested: **\$ 20,073.00**

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

(\$20,073 divided by 80% = \$25,091.25 x 20% = \$5,018.25)

Item/Service	Quantity	Cost	Total
Supervisor Training	9 Supervisors	Avg. \$50/hr – 4hr training session	\$1,800.00
Traffic Officer Training	8 Current Traffic Officers	Avg. \$40/hr – 4hr training session	\$1,280.00
3 rd Year Warranty	1 – 3 rd year Service Contract – 2013	\$2,269.00	\$2,269.00
4 th Year Warranty	1 – 4 th year Service Contract – 2014	\$2,723.00	\$2,723.00
Vehicle Transfer	2011 replacement cruiser purchase-swap equipment to new vehicle	Est. - \$1,000.00	\$1,000.00
Community Out-Reach/Demonstration	Family Fun Day (8hrs), Citizen's Academy (4hrs), Touch a Truck (4hrs)	Total cost based on Avg. \$48/hr for 16 hours	\$768.00
Projected Court Costs	Based on goals outlined in "Goals" section (See attached sheet)	Based on Average of \$48/hr for 36 hours	\$1,728.00
TOTAL:			\$11,568.00

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

The Hingham Police Department plans on purchasing full warranty coverage on the Federal Signal ALPR system through the fourth year. At this point the department would evaluate the program and the potential service life of the existing unit. From data gathered on the successful increases in arrests and citations since the implementation of the ALPR unit, a decision would be made to either; keep the existing unit in service with extended warranty coverage, replace the existing unit with a newer model (depending on features/new equipment), or purchase/lease an additional unit(s) for deployment in the town, including the possibility of fixed mount camera locations around town. The Hingham Police Department is committed to the ALPR program and is optimistic that this is the future of law enforcement, including highway safety and anti-terrorism efforts.

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

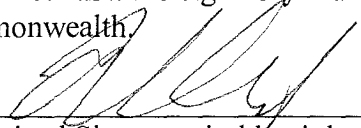
Please note that in the event that your department or municipality is selected for an award, a Standard Contract Form and General Subrecipient Conditions will be provided for your signature at that time.

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

ASSURANCES

The **Hingham 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:

TEA C. AREXIADES Town Manager
Authorized Representative Name and Title (please print)
Please note that the signatory must be authorized to enter into a contract with the Commonwealth.


Authorized Signature in blue ink

11/30/10
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.