

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

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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			
Franklin Police Department 911 Panther Way Franklin, MA 02038			
Chief's Last Name Williams	First Stephen	Middle Initial T.	
E-Mail Address swilliams@franklinpolice.com	Telephone 508-440-2711	Fax 508-520-4747	
Grant Contact Last Name Lynch	First Name Thomas	Middle Initial J.	Title Lieutenant
E-Mail Address tlynch@franklinpolice.com	Telephone 508-440-2710	Fax 508-520-4747	
Applicant Profile			
Does your department currently have any ALPR units in use? If so, how many?		NO	
Number of full-time officers		45	
Number of part-time officers		0	
What is the population of your community according to the 2009 census?		32,878	
How large is your community (square miles)?		27.01	

Problem Identification

Category	2007	2008	2009
Number of unlicensed motorist citations	69	66	43
Number of uninsured motorist citations	50	38	22
Number of operating with a suspended license citations	141	116	65
Number of operating with a suspended license arrests	48	41	21
Number of stolen vehicles reports	26	16	14

Number of stolen vehicle arrests	0	1	0
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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 Franklin Police Department has participated in the following highway safety initiatives:

- Traffic Enforcement Grant 2005 – 2010 (5 grant initiatives)
- Underage Alcohol Enforcement Program 2007 – 2009 (3 grant initiatives)
- Pedestrian, Bicycle and Moped-Type Enforcement Grant
- Bicycle, Rollerblade, Skateboard and Scooter Helmet Distribution Program

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

Upon receiving written EOPSS/HSD authorization to proceed with the purchase of an ALPR system, the Franklin Police Department will immediately purchase a Federal Signal 3 Camera Mobile P362 ALPR system with accompanying software from MHQ (see enclosed price quote).

Once MHQ technicians install the system in the patrol vehicle and in the SQL server, personnel from our Information Technology and Services Unit will receive training on both the PAGIS and BOSS software. Patrol Division personnel will also be trained to operate the system in a patrol environment. While the system is being installed and personnel are being trained, administrative personnel will create appropriate policies and procedures and standard operating procedures regarding the ALPR program.

We intend to have the ALPR program fully operational within 30 days of installation by MHQ (if the grant is awarded in January we anticipate being fully operational by March).

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

The Franklin Police Department currently utilizes a Cruiser Team concept when assigning Patrol Division personnel to patrol vehicles. Patrol Officer's are assigned a vehicle and are mandated to use this vehicle whenever they are working a regularly scheduled shift during their 4 and 2 (4 on / 2 off) rotation. Most of the patrol vehicles have two officers assigned to the unit. However, a few of the units have three officers assigned. The patrol vehicle with the ALPR system will have three officers assigned to it in order to increase its deployment. The ALPR patrol vehicle will also be utilized as the first choice for an alternate patrol vehicle when one of the other vehicles in the fleet is out of service due to maintenance, collision, etc.

The goal will be to deploy the ALPR vehicle at least 16 hours per day each day of the week (112 hours per week). We anticipate the ALPR vehicle will be deployed continuously (24 hours per day) for several months immediately following the training in order to give personnel the opportunity to become familiar with the system.

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

The Franklin Police Department Information Technology and Services Unit employs one full-time civilian employee who directs all communications, CAD, E911, records and information technology infrastructure within the department. Two sworn officers also work within the unit on a part-time basis providing communications, MDT and other I.T. support. The Information Technology and Services Unit would be tasked with maintaining and servicing the Back Office Server Software (BOSS) on the SQL server. The department has made a strong commitment to continually purchase the most up to date technology and software upgrades to remain current. The department has the infrastructure and personnel in place to support an ALPR program.

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 Franklin Police Department proposes the following goals for the implementation of an ALPR program becoming operational in March 2011:

1. Increase unlicensed motorist violations by 10% over the 2007-2009 average level (59) by December 31, 2011.
2. Increase uninsured motorist violations by 15% over the 2007-2009 average level (37) by December 31, 2011.
3. Increase suspended and revoked license violations by 15% over the 2007-2009 average level (107) by December 31, 2011.
4. Increase warrant arrests by 15% over the 2007-2009 average level by December 31, 2011.
5. Increase permit and metered parking fines by 15% over 2009 levels by December 31, 2011.

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).

Anticipating the ALPR program to be operational in March 2011, we will compare the three year average from 2007-2009 for the period of March - December to the same time period in 2011. We will compare the level of warrant arrests, unlicensed motorist violations, uninsured motorist violations and suspended / revoked license violations to ascertain what impact the ALPR program had on the number of violations our officers encountered.

Using the chalking feature for parking enforcement incorporated into the Federal Signal PIPS technology we will also compare permit and metered parking enforcement for the same time periods.

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 Franklin has one large mall (Franklin Village Mall), two shopping plazas and two large industrial parks (Forge Park and Franklin Industrial Park). Interstate 495 with two exits in Franklin (exit 16 & 17) and state route 140 traverses through the Town of Franklin. There are two MBTA commuter rail stations located in town.

As a member of the Metropolitan Law Enforcement Council (Metro-LEC), the Franklin Police Department would make its ALPR patrol vehicle available to member agencies upon request for special assignment. We strongly support the collaborative efforts of Metro-LEC and frequently provide equipment and support to member agencies during critical incidents and for routine law enforcement purposes.

BUDGET TEMPLATE

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

Equipment	Cost/Rate	Total
3 Camera Mobile P362 ALPR	\$ 15,250.00	\$ 15,250.00
PIPS-SW-BOSS Back Office System Software	Included	Included
PIPS-SRVC-MVI (installation on vehicle)	\$ 2,900.00	\$ 2,900.00
BOSS MAP – Advanced Mapping	\$ 795.00	\$ 795.00
Total		

Total funding requested \$18,945.00

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
Extended Warranty	1	\$1,815.00	\$1,815.00
Annual Maintenance Agreement	1	\$1,903.00	\$1,903.00
Training – Patrolman	29	4 hrs. @ \$26.4613	\$3,069.51
Supervisor Coordination of Project (Patrol Lieutenant)	1	25 hrs. @ \$40.9803	\$1,024.51
I.T. Director Time on Project	1	20 hrs. @ \$31.4888	\$629.78
Training – Patrol Sergeants	6	4 hrs. @ \$31.4888	\$755.73

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

The department plans to purchase the annual maintenance and warranty plans offered by MHQ for all components of the system by adding the cost to the annual maintenance and warranty budget for all information technology equipment.

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.

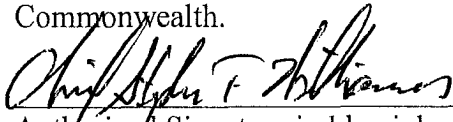
ASSURANCES

The Franklin 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:

Chief of Police Stephen T. Williams

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

11/10/10

Date signed in blue ink

Deadline: An original application form with attachments, along with eight 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.



November 8, 2010

REF: 3 Camera Mobile P362 ALPR Price Quote

Lt. T. J. Lynch
Franklin Police Department
911 Panther Way
Franklin, Massachusetts 02038

Lt. Lynch,

I'm pleased to provide you with this quote for a three Camera Mobile ALPR system "hard" mounted and integrated into an MDT system in your patrol vehicle.

Key points about Federal Signal in the ALPR market:

- For more than 16 years, Federal Signal market focus has specialized in Automatic License Plate Recognition technologies.
- As an Original Equipment Manufacturer, they design, manufacture, and develop their own hardware and software – they control the quality and support of their products from start to finish.
- PIPS offers an ALPR "back-end" analysis software package (BOSS) that provides data-mining of "historic" license plate information obtained and stored from all deployed mobile (and fixed) systems within your department.

Qty	Item	Description	List Unit Cost
1	1	SLATE-750- PLUS MA Three Camera Mobile Law Enforcement Package including 750nm illumination, SupeRexIII processor, camera cable/connector(s), GPS module, PAGIS software and dongle, PIPS ALPR/OCR Engine, Client/Server architecture, camera bracket mount assemblies	15,250.00
1	2	PIPS-SW-BOSS Back Office System Software utilizing Microsoft SQL Express Server Software for system administration, data analysis and data storage, data mining, reporting, mapping via google Maps, remote alerting, and networking in support of inter-agency data sharing. Note: Software includes 1 administrative plus 2 user license.	INCLUDED
1	3	PIPS-SRVC-MVI; Field Engineering services required for the installation of the PIPS Mobile ALPR system on a traffic vehicle including PAGIS in car and BOSS back office software training. Priced on a per car vehicle basis	\$2,900.00

1 4 **BOSS MAP-MAP Advanced mapping utilizing** \$795
 BING maps –Birds eye, satellite, multiple images

Total Cost \$18,945.00



***** **OPTIONS** *****

1	5	(OPTIONAL) PIPS-SVC-MAINT-Mobile Annual maintenance cost for year #1 and #2 for the PIPS mobile vehicle system plus the PAGIS in car display software.	\$1815.00
1	6	(OPTIONAL) PIPS-SRVC-MAINT-BOSS Annual maintenance cost for year #1 and #2	\$108
		Freight is included at no charge	

NOTE:

- 1) Only one copy of PIPS-SW-BOSS PRO System Software and one BOSS-SRVR PIPS server is required to support a combination of one or more mobile and/or fixed mobile systems (up to 1,000 separate ALPR mobile or fixed systems), therefore additional vehicles or fixed cameras will not require items 2 and 3.
- 2) This quote excludes applicable sales tax and is subject to the attached PIPS' standard terms, conditions and warranties.

Scope of Work:

Our quote ***includes*** installation. During that time, our system will be installed in your designated vehicles by our installer. After installation, you or the appropriate personnel will receive training on both PAGIS and BOSS by our representative.

Our quote ***includes*** the cost for our Back Office Server Software (BOSS) that can be installed on a department supplied SQL server. During the installation and training, our engineer will install one copy of this software application that is used for mining of all data collected by each mobile LPR system. The initial cost of installing BOSS for your agency can be utilized for all future PIPS mobile installations within your organization. It can also integrate with other local law enforcement agencies, fixed ALPR sites, or with commercial purchasers of our ALPR systems to provide a comprehensive database of vehicle movement within the surrounding areas where PIPS systems have been deployed.

NOTE 3: This software has a 4GB storage limit (approx. 120,000 license plate reads). If your agency has a full Microsoft Sequel License, BOSS integrates with it and the only limit to data storage would be the amount of server hard disk space available.

NOTE 4: The above \$995 BOSS pricing includes 1 administrative plus 2 user license. Additional concurrent user licenses are priced as follow:

Block of 5	\$2250
Block of 10	\$3500
Block of 25	\$7000



**PIPS
TECHNOLOGY**
A Federal Signal Company

All PIPS equipment hardware and software is covered by a one-year parts and labor warranty. Extended warranty agreements are available for the system after the original one-year warranty expires. These agreements supply the end user with upgrades and improvements to our OCR engine for enhanced plate detection capabilities and software upgrades sold by PIPS Technology, Inc.

Per Mobile Unit Extended Warranty	Unit Cost
2 nd Year –Annual Mobile System Warranty Renewal	\$1,815
3 rd Year –Annual Mobile System Warranty Renewal	\$2,269
4th Year –Annual Mobile System Warranty Renewal	\$2,723

Please let me know if you have any questions or require any additional information.

Best Regards,

Paul G. King
MHQ
401 Elm Street
Marlborough, MA 01752
508-573-2648 office
508-726-6139 cell



Franklin Police Department

DEPARTMENT MANUAL	
Chapter	
DATE OF ISSUE	EFFECTIVE DATE
11/18/05	11/18/05
ISSUING AUTHORITY	
<i>Chief S.T. Williams</i> Chief S.T. Williams	
REFERENCE (S)	PAGE
	<u>1</u> OF <u>2</u>
<input checked="" type="checkbox"/> NEW <input type="checkbox"/> AMENDS <input type="checkbox"/> RESCINDS	

Policy and Procedure No. 05-05

SUBJECT	
Safety Belt Use	

- 1) **PURPOSE:** To establish a policy to assure maximum operator and passenger safety, thus minimizing the possibility of death or injury as a result of motor vehicle crashes. This policy will apply to all personnel operating or riding in Department vehicles.

- 2) **BACKGROUND:** Research clearly indicates that the use of safety belts has a significant effect in reducing the number of deaths and the severity of injuries resulting from traffic crashes. A law enforcement officer's chance of being involved in a motor vehicle crash is approximately two to ten times greater than that of the general public. The use of safety restraints reduces this risk of death and serious injury and assists officers in maintaining proper control of their vehicles in pursuit and/or emergency high-speed operations.

- 3) **POLICY:** To assure the safety of all personnel, safety belts shall be worn by drivers and passengers in all vehicles owned, leased or rented by the department at all times.

- 4) **PROCEDURE:**
 - Department personnel shall use the safety belts installed by the vehicle Manufacturer, properly adjusted and securely fastened, when operating or riding in any vehicle so equipped if used while on-duty.
 - Lap belts shall be properly secured in those vehicles equipped with automatic safety belt systems that require the lap portion of the belt be manually secured.
 - The driver of the vehicle is responsible for insuring compliance by all occupants of the vehicle they are operating. Approved child safety restraints shall be used for all children of age, size, or weight for which such restraints are prescribed by law.
 - No person shall operate a Departmental vehicle in which any safety belt in the driver's seating position is inoperable. No person shall be transported in a seating position in which the safety restraint is inoperable.
 - No person shall modify, remove, deactivate or otherwise tamper with the vehicle's safety belts except for vehicle maintenance and repair and not without express authorization of the Chief of Police.
 - Personnel who discover an inoperable restraint system shall report the defect to the appropriate supervisor. Prompt action will be taken to replace or repair the system.

- Any person(s) under arrest and being transported in Department vehicle(s) are required to be secured in the vehicle by a safety belt in all seating positions for which safety belts are provided by the vehicle manufacturer. Caution: Prisoners that are handcuffed in front have the ability to release the handcuffs using the safety restraint latch plate. If an officer encounters an unruly prisoner or if the application of the safety belt would jeopardize the safety of the officer, prisoners may be transported without the use of a safety belt.
- An officer operating in an undercover capacity may be exempt only if the officer believes the use of the safety belt will compromise his/her identity.
- When arriving at an emergency call or making a vehicle traffic stop, the operator may remove the safety restraint just prior to stopping for quick exit. Caution should be exercised to insure that during the traffic stop the violator is in fact going to stop. This prevents becoming involved in a pursuit without the use of a safety belt.