

**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 Lynn Police Department 300 Washington Street Lynn, MA 01902			
Chief's Last Name Coppinger	First Name Kevin	Middle Initial F.	
E-Mail Address kcoppinger@lynnpolice.org	Telephone 781-477-4301	Fax 781-598-5645	
Grant Contact Last Name Mageary	First Name Michael	Middle Initial A.	Title Captain
E-Mail Address mmageary@lynnpolice.org	Telephone 7871-477-4308	Fax 781- 598-5645	
Applicant Profile			
Does your department currently have any ALPR units in use? If so, how many?		N/A	
Number of full-time officers		177	
Number of part-time officers		0	
What is the population of your community according to the 2009 census?		89,050	
How large is your community (square miles)?		10.47 Square Miles	

Problem Identification

Category	2007	2008	2009
Number of unlicensed motorist citations	591	672	570

Number of uninsured motorist citations	248	212	239
Number of operating with a suspended license citations	397	342	284
Number of operating with a suspended license arrests	233	222	158
Number of stolen vehicles reports	403	464	420
Number of stolen vehicle arrests	55	63	53

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 Lynn Police Department has been a consistent and committed partner in traffic safety which is a critical role in the overall law enforcement mission. We have established our experience and credibility through a number of highway safety projects. The department has submitted applications for Traffic Enforcement Grants both prior and subsequent to 2005 and has participated in the following initiatives.....

- “Click It or Ticket”
- “Road Rage Initiative”
- “Over the Limit, Under Arrest”
- “Bike Helmet Initiative”
- “Underage Alcohol Enforcement Initiative”

In addition, The Lynn Police has complied with reporting all performance and outcome measures as required and continues to participate in these law enforcement efforts.

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

Timeline

Receipt of Grant Award	January	2011
ALPR equipment ordered	February	2011
ALPR equipment delivered	March	2011
ALPR equipment installed and configured.	April	2011
Training of personnel and integration into department operations.	April	2011
Pre and post operation comparison in targeted traffic statistics	June	2011

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

The license plate reader will be deployed dependant on personnel available, operational strength, environmental conditions and necessity. The proposed deployment will enhance the traffic safety mission of our department. It is well documented that criminal activity is often first noticed as a result of vehicle and traffic law violations. Utilizing the plate readers will expand the observation/detection capabilities of law enforcement personnel and alert officers to a major segment of the offender pool – the repeat offender.

The equipment will be employed by both patrol and investigative personnel as necessary and allow all officers the ability to monitor greater areas of traffic flow and detect additional violators. While its focus appears to be one of criminal apprehension via wanted persons, stolen vehicles, etc., it will also provide ancillary benefits as an investigative tool.

In addition, the Lynn Police along with the City's Community Development Office has also classified a specific geographic area within our Central Business District identified as the "Comprehensive Revitalization Area." This sector of the city has seen an increase in street crime, anti-social behavior, gang activity and quality of life issues that are causing some to avoid the Central Business District (CBD) and the Comprehensive Revitalization Area. This is an area with a high volume of pedestrian and vehicular traffic.

Dedicated revenue and manpower have been allocated to increase police visibility within the CBD/CRA and in turn reduce street crime, anti-social behavior, gang activity and quality of life issues. Along with our city wide deployment, the license plate reader will also target this designated area for unlicensed, suspended or revoked operators as well as unregistered, uninsured and stolen motor vehicles. It will provide information on

specified databases affording officers better awareness, intelligence, parking and law enforcement capabilities.

This will result in the reduction of street crime, gang activity, parking scofflaws and motor vehicle violations while improving quality of life issues and attracting additional citizens and commerce to the Central Business District. In an area known for its diversity, the "License Plate Recognition System" will assure against citizens claims of profiling as it views every vehicle regardless of the condition of the vehicle as opposed to claims of selective enforcement.

This technology will enhance traffic safety and enforcement throughout the city, as well as this target area, while providing further secondary benefits through reduction of criminal activity and the increase of criminal apprehensions.

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

The Lynn Police Department is capable of implementing this technology upon awarding of this contract by the Executive Office of Public Safety. We are currently in possession of the necessary hardware, software and server capabilities required to execute this system. We currently have twenty-five units with mobile connectivity in place and the platform to implement this system. This connectivity provides us with the ability to interface the Commonwealth of Massachusetts's CJIS Web Mobile system as well as our CAD dispatch system to our cruisers. In addition, we possess several servers with the necessary storage capabilities to render this technology without delay to our officers. The department has dedicated information technology personnel in place to support the system and ensure proper updates as necessary.

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 Lynn Police Department acknowledges that "License Plate Recognition" greatly enhances an officer's potential to observe traffic offenses by alerting on vehicles with existing violations such as suspended, revoked and expired registrations. Plates that have been suspended or revoked for traffic-related offenses, especially those that are alcohol related, will alert our officers and therefore will have the potential to initiate an interdiction before that offender can strike again. Special focus will be dedicated to the apprehension of suspended, revoked and expired drivers and their vehicles thus concentrating on the repeat offender. The goal is to improve traffic safety while recognizing the relationship between traffic enforcement and crime. Additionally, this system's data collection capabilities will be used to enhance traffic records with the goal of timely and accurate dissemination of data to field and investigatory personnel.

The department's overall objective is to increase traffic enforcement and apprehension of traffic law offenders while impacting motor vehicle accident rates in the city.

The department has several specific short term and long term goals that would be set upon implementation of the program. The following short term goals have been identified:

- Increase number of offenders arrested for receiving stolen vehicles by 10%
- Increase the number of stolen vehicles recovered by 10%
- Decrease the number of motor vehicles stolen by 15%
- Increase the number of traffic citations by 15%
- Decrease the number of unregistered/uninsured motor vehicles by 10%

The department's long term goals include permanent sustainable reductions in the number of vehicles recovered and stolen within the City of Lynn. Through sustained traffic enforcement efforts we anticipate an overall reduction in traffic accidents, traffic related injuries and traffic fatalities. We further anticipate the overall traffic enforcement activity of the department would be enhanced by the use of this system, which would allow our officers to become more proactive in their traffic enforcement efforts.

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).

Upon implementation and integration into departmental operations, the Lynn Police Department intends to compare data on the following measures;

- Number of Unlicensed Motorist Citations
- Number of Uninsured Motorist Citations
- Number of Operating with a Suspended License Citations
- Number of Operating with a Suspended License Arrests
- Number of Stolen Vehicle Reports
- Number of Stolen Vehicle Arrests
- Number of Motor Vehicle Accidents
- Number of Motor Vehicles Plates Seized and Vehicles Towed

We intend to use a time series analysis utilizing previously acquired data during 2009, 2010 on the above variables for comparison purposes after implementation of the program in 2011.

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 City of Lynn has a number of state highways which constitute major thoroughfares through which egress into and out of the North Shore area. The Lynnway, Route 1A, Western Avenue (Route 107) and Route 129 are gateways to Boston and surrounding metropolitan areas. It is estimated that that over one hundred thousand commuters utilize

these avenues daily. There are also multiple secondary roads that are utilized by travelers to and from our city. Lynn also has a number of destinations including the General Electric Plant, Lynn Woods Reservation, Gannon Municipal Golf Course and King's Beach whose appeal increases our commuter population. Manning Field, a four thousand seat athletic complex, is a venue for numerous state sponsored athletic events that also attracts numerous spectators to our city. All of these components highlight the extent of motor vehicle access through out our city and the necessity of enhancing our traffic safety mission.

At one time, the Essex County Sherriff's Department employed this technology within our city. However, it is no longer available to us. We had the opportunity to observe first hand the success of this system and are familiar with its capabilities. This system has demonstrated its value in helping to fight crime and enhance officer safety. It will be another effective tool in our comprehensive traffic safety strategy.

Budget Template

January 2011 – June 2011 – also provide specification sheet from your chosen vendor

Equipment	Cost/Rate	Total
Slate-750-PLUS MA Three Camera Mobile Law Enforcement Package including 750nm illumination, SuperRexIII 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	\$15,250.00
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	Included
PIPS-SRVC-MVI; Field Engineering services required for the installation of the PIPS MobileALPR 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	\$2,900.00
BOSS MAP- MAP Advanced mapping utilizing BING maps–Birds eye, satellite, multiple images	\$795.00	\$795.00
Total	\$18,945.00	\$18,945.00

November 18, 2010

REF: 3 Camera Mobile P362 ALPR Price Quote

**Captain Michael Mageary
Lynn Police Department
300 Washington Street
Lynn, Massachusetts 01902**

Captain Mageary,

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, SuperXIII 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 BING maps –Birds eye, satellite, multiple images	\$795
---	---	-------------------------------------------------------------------------------------------------	-------

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



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

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
Administrative/Financial Reports	8 Hours	\$654.08	\$654.08
Training Costs/Educational Sessions	16 Hours	\$672.96	\$672.96
Associated Court Costs	90 Hours	\$3,785.40	\$3,785.40
			\$5,112.44

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

The department will sustain additional maintenance and warranty costs through the appropriation of additional funding. The improved traffic safety resulting from the increase in citations as well as parking enforcement will produce supplemental revenue to the city's general fund. This increased revenue can contribute to sustaining our prevention efforts.

For EOPSS/HSD Use:
Revised Total Request:
\$ _____

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.

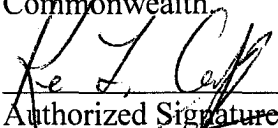
ASSURANCES

The LYNN 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 Kevin F. Coppinger

Authorized Representative Name and Title (please print)

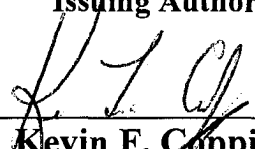

Please note that the signatory must be authorized to enter into a contract with the Commonwealth.


Authorized Signature in blue ink

11/22/2010
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.

LYNN POLICE DEPARTMENT		Department Manual: Policy No. 5.0
<i>Subject:</i> SAFETY BELT USE POLICY AND PROCEDURE		
<i>Effective Date:</i> July 8, 2005	Issuing Authority  Kevin F. Coppinger Chief of Police	

5.1 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.

5.2 POLICY:

To assure the safety of all personnel, it is strongly recommended that safety belts shall be worn by drivers and passengers in all vehicles owned, leased or rented by the department at all times.

5.3 DISCUSSION:

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.

5.4 PROCEDURE:

5.4.1: Department personnel are strongly encouraged to 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.

5.4.2: 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.

5.4.3: Approved child safety restraints shall be used by all children of age, size, or weight for which such restraints are prescribed by law.

5.4.4: No person shall operate a Departmental vehicle in which any safety belt in the drivers seating position is inoperable. No person shall be transported in a seating position in which the safety restraint is inoperable.

5.4.5: No person shall modify, remove, deactivate or otherwise tamper with the vehicle safety belts except for vehicle maintenance and repair and not without express authorization of the Chief of Police.

5.4.6: 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.

5.4.7: 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 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.

5.4.8: 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.

5.4.9: 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.

All supervisors are strongly encouraged to lead by example.

COMMONWEALTH OF MASSACHUSETTS CONTRACTOR AUTHORIZED SIGNATORY LISTING



CONTRACTOR LEGAL NAME :
CONTRACTOR VENDOR/CUSTOMER CODE:

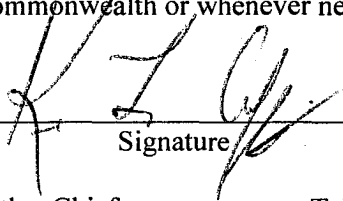
INSTRUCTIONS: Any Contractor (other than a sole-proprietor or an individual contractor) must provide a listing of individuals who are authorized as legal representatives of the Contractor who can sign contracts and other legally binding documents related to the contract on the Contractor's behalf. In 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
Kevin F. Coppinger	Chief

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: 11/23/10

Title: Chief

Telephone: 781-477-4301

Fax: 781-598-5645

Email:kcoppinger@lynnpolice.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

2004



CONTRACTOR LEGAL NAME :
CONTRACTOR VENDOR/CUSTOMER CODE:

PROOF OF AUTHENTICATION OF SIGNATURE

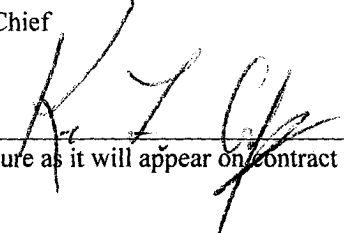
This page is optional and is available for a department to authenticate contract signatures.
It is recommended that Departments obtain authentication of signature for the signatory
who submits the Contractor Authorized Listing.

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

Signatory's full legal name (print or type): Kevin F. Coppinger

Title: Chief

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, Debra L. Simpson (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:

11/23, 20 10.

My commission expires on: 12/30/16

AFFIX NOTARY SEAL

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

_____, 20 ____.

AFFIX CORPORATE SEAL