

**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  Shrewsbury Police Department 106 Maple Ave. Shrewsbury Ma. 01545			
Chief's Last Name Hester	First James	Middle Initial J	
E-Mail Address jhester@pd.ci.shrewsbury.ma.us	Telephone 508-845-4681	Fax 508-841-8494	
Grant Contact Last Name Anderson	First Name Kevin	Middle Initial E	Title Sergeant
E-Mail Address kanderson@pd.ci.shrewsbury.ma.us	Telephone 508-841-8469	Fax 508-841-8494	
<b>Applicant Profile</b>			
Does your department currently have any ALPR units in use? If so, how many?		NO	
Number of full-time officers		42	
Number of part-time officers		0	
What is the population of your community according to the 2009 census?		33,533	
How large is your community (square miles)?		20.78	

**Problem Identification**

Category	2007	2008	2009
Number of unlicensed motorist citations	152	64	69

Number of uninsured motorist citations	193	108	73
Number of operating with a suspended license citations	210	149	83
Number of operating with a suspended license arrests	188	141	83
Number of stolen vehicles reports	59	41	32
Number of stolen vehicle arrests	6	2	1

**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 Shrewsbury Police Department has participated in highway safety initiatives for the past ten years. The Governor’s Highway Safety Bureau Traffic Enforcement Grant has been a successful program for the department allowing officers to focus on traffic enforcement during high-visibility mobilizations throughout the year. Shrewsbury Officers are trained and will be utilizing Massachusetts Traffic Records Analysis Center (MASS TRAC) to enhance traffic records and enforcement initiatives.

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

The Shrewsbury Police Department will purchase the automated traffic license plate reader by February 1, 2011. The unit will be installed by March 1, 2011 and training and implementation will be completed by April 1, 2011.

**Purchase:** The Automated License Plate Recognition to be purchased from MHQ, an approved PIPS TECHNOLOGY vendor. 2/1/2011

**Installation:** The Automated License Plate Recognition system will be installed by MHQ, an approved vendor designated installer. 3/1/2011

**Training:** Sgt. Anderson, Sgt. Benoit, Officer Fiske and appropriate personnel will receive training on both PAGIS and BOSS by a PIPS TECHNOLOGY representative. 4/1/2011

**Implementation:** 4/1/2011

**Project Evaluation:** 4/1/2011- 4/1/2012

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

The Shrewsbury Police seeks to use the funds from the Automated License Plate Reader Grant Program to fund the purchase of a PIPS Technology three Camera Mobile ALPR system, "hard" mounted and integrated into an MDT system. The unit will be installed in a patrol vehicle which will be utilized by three shifts operating twenty four hours per day. PIPS offers an ALPR "back end" analysis software package (BOSS) that provides data – mining of "historic" license plate information obtained and stored from the unit. The historic information will be utilized by the Shrewsbury Police, departments throughout the state, the Worcester County Drug and Counter Crime Task Force, and the Massachusetts State Fusion Center. Shrewsbury Police will work in partnership with departments within Worcester County and across the state to enhance the ability of officers to identify stolen vehicles and plates and assist in criminal investigations.

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

The Town of Shrewsbury has a Management Information Services Department (MIS) with one employee responsible for the Police Department. The MIS specialist is responsible for organizing, evaluating, trouble shooting and efficiently running the computerized processes that enable the department to run efficiently. The MIS specialist will attend training by a PIPPS TECHNOLOGY representative.

**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 Town of Shrewsbury is located in Central Massachusetts and is intersected by five

major state highways: Interstate 290, RT 9, RT20, RT70, and RT140. The highways provide a conduit from major cities within and surrounding Massachusetts and New England. Use of an ALPR system may lead to information related to vehicles and subjects transient in the area. The system includes office software which allows investigators to use the data captured at a later date. It is anticipated that access to this information may provide leads and solve criminal investigations throughout Shrewsbury, Central Massachusetts, and the Commonwealth of Massachusetts. This information may also provide invaluable anti terrorism intelligence.

The Department will increase uninsured and unregistered motorist violations by 20% over 2010 levels by October 2011. The Department will compare 2009 Massachusetts Traffic Records Analysis Center (MASSTRAC) citation statistics with 2010 records.

The Department will report on the number of shifts the Automated License Plate Recognition system is in use, the number of stolen vehicles recovered, stolen plates recovered and number of arrests directly attributed to the ALPR.

Additional noteworthy events attributed to the ALPR:

- *Proactively remove suspended and revoked drivers from the road before they cause a crash*
- *Assistance with AMBER Alerts and missions related to missing and exploited children*
- *Safe school initiatives such as perimeter security and school bus safety*
- *Drug interdiction*
- *Highway Safety*
- *Homeland Security initiatives*
- *Gang and racketeering interdiction*
- *Collection of taxes, fees and fines*
- *Insurance compliance*
- *Parking ticket enforcement*

**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 ALPR system will provide officer safety and enhance the ability of officers to identify stolen vehicles and plates, missing persons, persons with active warrants, and persons with terrorists or gang associations. Often the information will be provided to the officer prior to exiting the cruiser thus improving officer safety and performance. The Police Department will report on the number of shifts the Automated License Plate Reader is in use, the number of stolen vehicles recovered, stolen plates recovered and number of arrest directly attributed to the ALPR. Additional noteworthy events attributed to the ALPR will be documented separately.

- The Department will evaluate the ALPR grant by comparing data for a twelve month period prior to implementation with data for the twelve month period post implementation of the ALPR grant.
- The Department will utilize the Massachusetts Traffic Records Analysis Center (MASSTRAC) to compare pre/post grant statistics.
- Any noteworthy contributions during the grant period that may not be entered in MASSTRAC data base will be documented and included in the evaluation report.

**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 Shrewsbury borders the third largest city in New England, namely Worcester, Massachusetts. Shrewsbury is additionally crossed by five major state highways, which makes the the community a virtual hub for traffic and criminal activity in the Central Massachusetts area. Shrewsbury has a strong commercial business base along state highways RT9 (Boston Turnpike) and RT20 (Hartford Turnpike). In addition the town has numerous business parks and the Lakeway Business District containing thousands of employees that commute through town on a daily basis. Shrewsbury is home to United Parcel Service (UPS), United States Postal Service Distribution Center, Fed Ex Ground, and numerous trucking terminals that operate on a twenty four hour basis. Based on these factors the traffic flow is substantially higher than the population would suggest. An Automated License Plate Reader would allow the officer to automatically check every vehicle he or she encounters, while freeing the officer to focus on his driving and look at other things outside the vehicle.

The Shrewsbury Police seeks to use the funds from the Automated License Plate reader Grant Program to fund to purchase a PIPS Technology Three Camera Mobile ALPR system “hard” mounted and integrated into an MDT system. The unit will be installed in a patrol vehicle which will be utilized by three shifts operating twenty four hours per day when staffing allows. PIPS offers an ALPR “back end” analysis software package (BOSS) that provides data –mining of “historic” license plate information obtained and stored from the unit. The historic information will be utilized by the Shrewsbury Police, departments throughout the state, the Worcester County Drug and Counter Crime Task Force, and the Massachusetts State Fusion Center. Shrewsbury Police will work in partnership with departments within Worcester County and across the state to enhance the ability of officers to identify stolen vehicles and plates.

Use of an ALPR system will increase the likelihood that officers will identify missing persons, persons with active criminal warrants, or terrorists and gang associations. Any criminal information obtained will be shared with area police departments and State Police Agencies by direct contact, e-mail bulletins, or via the Worcester County Break and Entering Task Force e-mail bulletin. The Shrewsbury Police will electronically submit captured license plate data to the state repository maintained by the Criminal Justice Information Services (CJIS) Division at the Commonwealth’s Public Safety Data Center per approved guidelines.

The total project cost \$18,945.00



**BUDGET TEMPLATE**

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

<b>Equipment</b>	<b>Cost/Rate</b>	<b>Total</b>
1 Slate-750-Plus Ma Three Camera Mobile Law Enforcement Package	15,250.00	15,250.00
1 PIPS-SW-BOSS Back Office System Software	Included	0.00
1PIPS-SRVC-MVI including PAGIS in car and BOSS back office software training	2,900.00	2,900.00
BOSS MAP-MAP	795.00	795.00
<b>Total</b>		<b>\$18,945.00</b>

Total funding requested \$ \_\_\_\_\_ \$18945.00\_\_\_\_\_

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**

<b>Item/Service</b>	<b>Quantity</b>	<b>Cost</b>	<b>Total</b>
Supervisor time on project	60 hours	\$30.8800	\$1858.80
Scheduling Training	15 hours	\$30.8800	\$463.20
Preparation of financial reports for reimbursement	25 hours	\$30.8800	\$772.00
Preparation of activity reports	40 hours	\$30.8800	\$1235.20
Maintenance to cruisers and equipment	30 hours	\$30.8800	\$ 926.40
			\$ 5255.60

Department's plan to pay for additional maintenance and warranty costs:
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Department will pay for maintenance and warranty costs out of police operating budget.

**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.

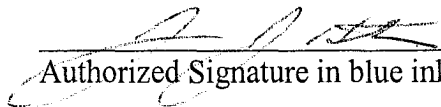
Before signing below, or obtaining signature, please be sure the entire application is complete.

ASSURANCES

The Shrewsbury 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:

James J. Hester 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.

  
Authorized Signature in blue ink

11/29/2010  
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](mailto:Daniel.DeMille@state.ma.us) to verify receipt.



November 18, 2010

**REF: 3 Camera Mobile P362 ALPR Price Quote**

**Sgt. Kevin Anderson  
 Shrewsbury Police Department  
 106 Maple Avenue  
 Shrewsbury, Massachusetts 01545**

**Sgt. Anderson,**

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	<b>SLATE-750- PLUS MA Three Camera Mobile Law Enforcement Package</b> 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	<b>PIPS-SW-BOSS Back Office System Software</b> 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. <b>Note: Software includes 1 administrative plus 2 user license.</b>	INCLUDED
1	3	<b>PIPS-SRVC-MVI;</b> Field Engineering services required for the installation of the PIPS Mobile ALPR system on a traffic vehicle <b>including PAGIS in car and BOSS back office software training.</b> 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	<b>(OPTIONAL) PIPS-SVC-MAINT-Mobile</b> Annual maintenance cost for year #1 and #2 for the PIPS mobile vehicle system <b>plus</b> the PAGIS in car display software.	\$1815.00
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1	6	<b>(OPTIONAL) PIPS-SRVC-MAINT-BOSS</b> Annual maintenance cost for year #1 and #2	\$108
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		Freight is included at no charge	
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**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:**

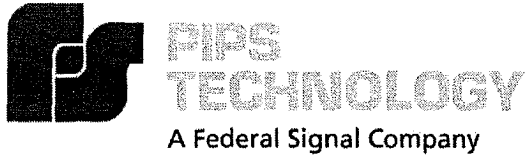
Our quote ***includes*** installation. During that time, our system will be installed in your designated vehicles by our installer. After installation, you or the appropriate personnel will receive training on both PAGIS and BOSS by our representative.

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.

<b>Per Mobile Unit Extended Warranty</b>	<b>Unit Cost</b>
2 <sup>nd</sup> Year –Annual Mobile System Warranty Renewal	\$1,815
3 <sup>rd</sup> 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

COMMONWEALTH OF MASSACHUSETTS  
CONTRACTOR AUTHORIZED SIGNATORY LISTING

Issued May  
2004



CONTRACTOR LEGAL NAME :  
CONTRACTOR VENDOR/CUSTOMER CODE:

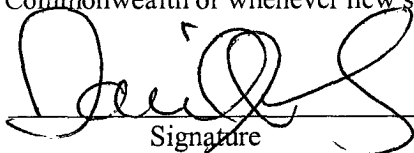
**INSTRUCTIONS:** Any Contractor (other than a sole-proprietor or an individual contractor) must provide a listing of individuals who are authorized as legal representatives of the Contractor who can sign contracts and other legally binding documents related to the contract on the Contractor's behalf.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

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: 11/24/2010

Title: Town Manager

Telephone: 508-841-8508

Fax: 508-842-0587

Email: dmorgado@townisp.com

[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



CONTRACTOR LEGAL NAME :  
CONTRACTOR VENDOR/CUSTOMER CODE:

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## 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): James J Hester

Title: Chief of Police

**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, Daniel G. SKIJA (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, 20 2010

My commission expires on: 3/28/14

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



# SEAT BELTS

SHREWSBURY POLICE DEPARTMENT POLICY & PROCEDURE NO. 136	ISSUE DATE: 01/15/2009
	EFFECTIVE DATE: 01/15/2009
MASSACHUSETTS POLICE ACCREDITATION STANDARDS REFERENCED:	REVISION DATE: _____

## I. GENERAL CONSIDERATIONS AND GUIDELINES

The use of seatbelts can have a significant effect in reducing the number of deaths and the severity of injuries resulting in traffic accidents. The policy of this department requires the use of occupant safety restraining devices by the operator and all passengers while any cruiser is in motion, subject to the following procedures.

## II. POLICY

It is the policy of this department that:

- A. All operators and passengers shall wear a safety belt with the following exceptions:
- Officers may remove the safety belt a reasonable distance from arrival at any call. Prior to stopping any motor vehicle or investigation suspicious activity.
  - Slow moving building security checks or any situation where the officer feels that his/her safety may be hampered by the wearing of the safety belt.

- When an officer, due to the exigency of the situation, in his/her reasonable judgment, does not have the time to safely secure the seatbelt.
- When assigned to such duty as parking violations where the officer would be making frequent stops in a short distance.
- When in a parked or stationary position.
- When the officer and/or passenger(s) are acting in an undercover status.
- When an employee has a note from a physician stating that the wearing of a seatbelt would aggravate an injury and with the approval of the Chief of Police.
- For safety purposes this procedure excludes prisoners being transported in the rear compartment.
- For other reasonable purposes at the discretion of the operator.

B. Seatbelts are mandatory for all civilian passengers.

- 1) Children traveling as passengers must use car seats appropriate for the child's age or weight.
- 2) Children may be transported without a car seat only if car seats are not available

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E-Mail Address jhester@pd.ci.shrewsbury.ma.us	Telephone 508-845-4681	Fax 508-841-8494	
Grant Contact Last Name Anderson	First Name Kevin	Middle Initial E	Title Sergeant
E-Mail Address kanderson@pd.ci.shrewsbury.ma.us	Telephone 508-841-8469	Fax 508-841-8494	
<b>Applicant Profile</b>			
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- *Proactively remove suspended and revoked drivers from the road before they cause a crash*
- *Assistance with AMBER Alerts and missions related to missing and exploited children*
- *Safe school initiatives such as perimeter security and school bus safety*
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The ALPR system will provide officer safety and enhance the ability of officers to identify stolen vehicles and plates, missing persons, persons with active warrants, and persons with terrorists or gang associations. Often the information will be provided to the officer prior to exiting the cruiser thus improving officer safety and performance. The Police Department will report on the number of shifts the Automated License Plate Reader is in use, the number of stolen vehicles recovered, stolen plates recovered and number of arrest directly attributed to the ALPR. Additional noteworthy events attributed to the ALPR will be documented separately.

- The Department will evaluate the ALPR grant by comparing data for a twelve month period prior to implementation with data for the twelve month period post implementation of the ALPR grant.
- The Department will utilize the Massachusetts Traffic Records Analysis Center (MASSTRAC) to compare pre/post grant statistics.
- Any noteworthy contributions during the grant period that may not be entered in MASSTRAC data base will be documented and included in the evaluation report.



**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 Shrewsbury borders the third largest city in New England, namely Worcester, Massachusetts. Shrewsbury is additionally crossed by five major state highways, which makes the the community a virtual hub for traffic and criminal activity in the Central Massachusetts area. Shrewsbury has a strong commercial business base along state highways RT9 (Boston Turnpike) and RT20 (Hartford Turnpike). In addition the town has numerous business parks and the Lakeway Business District containing thousands of employees that commute through town on a daily basis. Shrewsbury is home to United Parcel Service (UPS), United States Postal Service Distribution Center, Fed Ex Ground, and numerous trucking terminals that operate on a twenty four hour basis. Based on these factors the traffic flow is substantially higher than the population would suggest. An Automated License Plate Reader would allow the officer to automatically check every vehicle he or she encounters, while freeing the officer to focus on his driving and look at other things outside the vehicle.

The Shrewsbury Police seeks to use the funds from the Automated License Plate reader Grant Program to fund to purchase a PIPS Technology Three Camera Mobile ALPR system “hard” mounted and integrated into an MDT system. The unit will be installed in a patrol vehicle which will be utilized by three shifts operating twenty four hours per day when staffing allows. PIPS offers an ALPR “back end” analysis software package (BOSS) that provides data –mining of “historic” license plate information obtained and stored from the unit. The historic information will be utilized by the Shrewsbury Police, departments throughout the state, the Worcester County Drug and Counter Crime Task Force, and the Massachusetts State Fusion Center. Shrewsbury Police will work in partnership with departments within Worcester County and across the state to enhance the ability of officers to identify stolen vehicles and plates.

Use of an ALPR system will increase the likelihood that officers will identify missing persons, persons with active criminal warrants, or terrorists and gang associations. Any criminal information obtained will be shared with area police departments and State Police Agencies by direct contact, e-mail bulletins, or via the Worcester County Break and Entering Task Force e-mail bulletin. The Shrewsbury Police will electronically submit captured license plate data to the state repository maintained by the Criminal Justice Information Services (CJIS) Division at the Commonwealth’s Public Safety Data Center per approved guidelines.

The total project cost \$18,945.00

**BUDGET TEMPLATE**

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

<b>Equipment</b>	<b>Cost/Rate</b>	<b>Total</b>
1 Slate-750-Plus Ma Three Camera Mobile Law Enforcement Package	15,250.00	15,250.00
1 PIPS-SW-BOSS Back Office System Software	Included	0.00
1PIPS-SRVC-MVI including PAGIS in car and BOSS back office software training	2,900.00	2,900.00
BOSS MAP-MAP	795.00	795.00
<b>Total</b>		<b>\$18,945.00</b>

Total funding requested \$ \_\_\_\_\_ \$18945.00\_\_\_\_\_

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**

<b>Item/Service</b>	<b>Quantity</b>	<b>Cost</b>	<b>Total</b>
Supervisor time on project	60 hours	\$30.8800	\$1858.80
Scheduling Training	15 hours	\$30.8800	\$463.20
Preparation of financial reports for reimbursement	25 hours	\$30.8800	\$772.00
Preparation of activity reports	40 hours	\$30.8800	\$1235.20
Maintenance to cruisers and equipment	30 hours	\$30.8800	\$ 926.40
			<b>\$ 5255.60</b>

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

Department will pay for maintenance and warranty costs out of police operating budget.

**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.

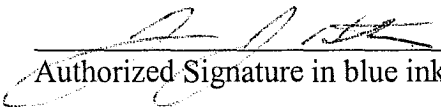
Before signing below, or obtaining signature, please be sure the entire application is complete.

ASSURANCES

The SHREWSBURY 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:

JAMES J. HESTER 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.

  
Authorized Signature in blue ink

11/29/2010  
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](mailto:Daniel.DeMille@state.ma.us) to verify receipt.



November 18, 2010

**REF: 3 Camera Mobile P362 ALPR Price Quote**

**Sgt. Kevin Anderson  
Shrewsbury Police Department  
106 Maple Avenue  
Shrewsbury, Massachusetts 01545**

**Sgt. Anderson,**

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.

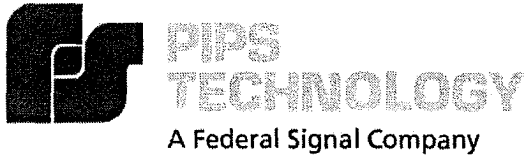
Key points about Federal Signal in the ALPR market:

- 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	<b>SLATE-750- PLUS MA Three Camera Mobile Law Enforcement Package</b> 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
1	2	<b>PIPS-SW-BOSS Back Office System Software</b> 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. <b>Note: Software includes 1 administrative plus 2 user license.</b>	INCLUDED
1	3	<b>PIPS-SRVC-MVI;</b> Field Engineering services required for the installation of the PIPS Mobile ALPR system on a traffic vehicle <b>including PAGIS in car and BOSS back office software training.</b> 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	<b>(OPTIONAL) PIPS-SVC-MAINT-Mobile</b> Annual maintenance cost for year #1 and #2 for the PIPS mobile vehicle system <b>plus</b> the PAGIS in car display software.	\$1815.00
1	6	<b>(OPTIONAL) PIPS-SRVC-MAINT-BOSS</b> 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:**

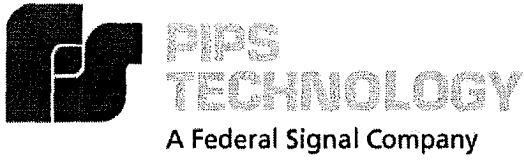
Our quote ***includes*** installation. During that time, our system will be installed in your designated vehicles by our installer. After installation, you or the appropriate personnel will receive training on both PAGIS and BOSS by our representative.

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:**

<b>Block of 5</b>	<b>\$2250</b>
<b>Block of 10</b>	<b>\$3500</b>
<b>Block of 25</b>	<b>\$7000</b>



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.

<b>Per Mobile Unit Extended Warranty</b>	<b>Unit Cost</b>
2 <sup>nd</sup> Year –Annual Mobile System Warranty Renewal	\$1,815
3 <sup>rd</sup> 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



# COMMONWEALTH OF MASSACHUSETTS CONTRACTOR AUTHORIZED SIGNATORY LISTING



CONTRACTOR LEGAL NAME :  
CONTRACTOR VENDOR/CUSTOMER CODE:

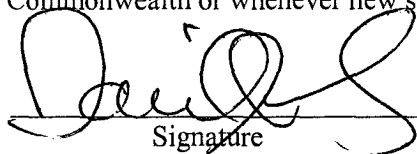
**INSTRUCTIONS:** Any Contractor (other than a sole-proprietor or an individual contractor) must provide a listing of individuals who are authorized as legal representatives of the Contractor who can sign contracts and other legally binding documents related to the contract on the Contractor's behalf.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

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: 11/24/2010

Title: Town Manager

Telephone: 508-841-8508

Fax: 508-842-0587

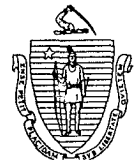
Email: dmorgado@townisp.com

[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): James J Hester

Title: Chief of Police

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, Daniel G. Skjut (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, 20 2010

My commission expires on: 3/28/14

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

# SEAT BELTS

SHREWSBURY POLICE DEPARTMENT POLICY & PROCEDURE NO. 136	ISSUE DATE: 01/15/2009
	EFFECTIVE DATE: 01/15/2009
MASSACHUSETTS POLICE ACCREDITATION STANDARDS REFERENCED:	REVISION DATE: _____

## I. GENERAL CONSIDERATIONS AND GUIDELINES

The use of seatbelts can have a significant effect in reducing the number of deaths and the severity of injuries resulting in traffic accidents. The policy of this department requires the use of occupant safety restraining devices by the operator and all passengers while any cruiser is in motion, subject to the following procedures.

## II. POLICY

It is the policy of this department that:

- A. All operators and passengers shall wear a safety belt with the following exceptions:
- Officers may remove the safety belt a reasonable distance from arrival at any call. Prior to stopping any motor vehicle or investigation suspicious activity.
  - Slow moving building security checks or any situation where the officer feels that his/her safety may be hampered by the wearing of the safety belt.

- When an officer, due to the exigency of the situation, in his/her reasonable judgment, does not have the time to safely secure the seatbelt.
- When assigned to such duty as parking violations where the officer would be making frequent stops in a short distance.
- When in a parked or stationary position.
- When the officer and/or passenger(s) are acting in an undercover status.
- When an employee has a note from a physician stating that the wearing of a seatbelt would aggravate an injury and with the approval of the Chief of Police.
- For safety purposes this procedure excludes prisoners being transported in the rear compartment.
- For other reasonable purposes at the discretion of the operator.

B. Seatbelts are mandatory for all civilian passengers.

- 1) Children traveling as passengers must use car seats appropriate for the child's age or weight.
- 2) Children may be transported without a car seat only if car seats are not available