MT. LEBANON
PENNSYLVANIA

SEP 06 12
5:36P

MUNICIPAL BUILDING
710 WASHINGTON ROAD
PITTSBURGH, PA 15228
PHONE: (412) 343-3400
www.mtlebanon.org

August 29, 2012

Sara Rose
313 Atwood Street
Pittsburgh, PA 15213

Dear Ms. Rose:

Thank you for your request for information pursuant to the Pennsylvania Right-To-Know law.

By your request dated July 30, 2012 (attached), you requested certain documents pursuant to the right to know law. I advised you that we were exercising our right to a legal review. That review is now complete.

In your request, you asked for documents within a certain period of time regarding automatic license plate readers. The documents you requested are attached. Because the documents are scant and may not make a great deal of sense standing alone, I thought it might be helpful to provide the following explanation.

In 2009, the Mt. Lebanon Police Department ("MLPD") began to look at ALPR technology to determine if the ALPR systems would be of any benefit to the department's public safety efforts. Eventually, the MLPD obtained three ALPR systems for testing, one from each of three separate ALPR vendors. After deploying and testing these systems for a brief period (approximately three months), the ALPRs were returned to the respective vendors.

In 2010, MLPD Chief McDonough wrote to the Pennsylvania Auto Theft Prevention Authority ("ATPA") about the possibility of grant funding for the purchase of an ALPR, or for a loan of an ALPR system from the ATPA. Neither option came to fruition. Based on the MLPD's informal evaluation of the technology, as well as the unavailability of budgeted funds, the MLPD has not participated in any ALPR program since 2009. Additional contacts with vendors were made in 2010 in an exploratory effort to seek grant funding in conjunction with other SHACOG police agencies. Again, nothing came of these efforts.

Sincerely,

Stephen M. Feller
Municipal Manager

pennsylvania
OFFICE OF OPEN RECORDS

STANDARD RIGHT-TO-KNOW REQUEST FORM

DATE REQUESTED: July 30, 2012

REQUEST SUBMITTED BY: ☑ E-MAIL ☐ U.S. MAIL ☐ FAX ☐ IN-PERSON

REQUEST SUBMITTED TO (Agency name & address): Mt. Lebanon Police Dept.
710 Washington Road, Pittsburgh, PA 152228-2018

NAME OF REQUESTER : Sara Rose

STREET ADDRESS: 313 Atwood Street

CITY/STATE/COUNTY/ZIP(Required): Pittsburgh, PA, Allegheny 15213

TELEPHONE (Optional): 412-681-7864 **EMAIL (optional):** srose@aclupa.org

RECORDS REQUESTED: **Provide as much specific detail as possible so the agency can identify the information.* ***Please use additional sheets if necessary***

Please see attached.

DO YOU WANT COPIES? (YES) or NO
DO YOU WANT TO INSPECT THE RECORDS? YES or NO
DO YOU WANT CERTIFIED COPIES OF RECORDS? YES or NO

**** PLEASE NOTE: RETAIN A COPY OF THIS REQUEST FOR YOUR FILES ****
**** IT IS A REQUIRED DOCUMENT IF YOU WOULD NEED TO FILE AN APPEAL ****

FOR AGENCY USE ONLY

RIGHT TO KNOW OFFICER:

DATE RECEIVED BY THE AGENCY:

AGENCY FIVE (5) BUSINESS DAY RESPONSE DUE:

***Public bodies may fill anonymous verbal or written requests. If the requestor wishes to pursue the relief and remedies provided for in this Act, the request must be in writing. (Section 702.) Written requests need not include an explanation why information is sought or the intended use of the information unless otherwise required by law. (Section 703.)*

Records Requested

This request seeks records regarding automatic license plate readers (ALPR). ALPRs are also sometimes referred to as Automatic Vehicle Identification, Car Plate Recognition or License Plate Recognition equipment and/or software; this records request uses ALPR in reference to any of this technology.

Please provide copies of the following records created from January 1, 2006 to the present:

1. All records regarding your policies, practices and procedures for procuring and using ALPR technology, and for storing, accessing and sharing data obtained through ALPR technology;

2. All records regarding the procurement of ALPR technology, including
   a. sources of funds used to pay for ALPR technology;
   b. invoices for the purchase of ALPR technology;
   c. information regarding the borrowing or leasing of ALPR technology;
   d. information regarding any pilot program involving ALPR;
   e. local government approval for the use of purchase of ALPR technology;
   f. interactions with vendors, suppliers and potential suppliers of ALPR technology, including materials and fact sheets supplied by vendors describing their products;

3. All records regarding the use of ALPR technology, including
   a. what types of data are obtained;
   b. the number of license plates scanned and/or read in a given time period (day, month, year, etc.);
   c. the number of ALPR units or systems acquired, borrowed, or leased;
   d. the number of vehicles equipped with ALPR technology;
   e. for stationary deployments, the number and physical location of ALPR units;
   f. the technical capabilities of the ALPR units;

4. All records regarding the storage of data obtained using ALPR technology, including
   a. what types of data are stored for any period longer than an hour;
   b. how long data is stored;
   c. when and how data must be discarded;
   d. how many individual license plate scan records your agency currently stores;

5. All records regarding access to ALPR data, including
   a. the legal justification required before an individual accesses ALPR data;
   b. purposes for which the data may be accessed;
   c. purposes for which the data may *not* be accessed;
   d. who may access the data, what procedures they must go through to obtain access, and who must authorize access;
   e. the existence or non-existence of a system that records who accesses the data and when the data is accessed;

6. All records regarding the sharing of data obtained through ALPR technology, including
    a. what type of data is shared;
    b. which databases your agency puts collected ALPR data into;
    c. third parties, governmental or private, that may access your agency's ALPR data, including what procedures third parties must go through in order to access the data and any restrictions placed on third parties regarding further sharing of your ALPR data;
    d. any agreements to share ALPR data with outside agencies, corporations or other entities;

7. All records regarding obtaining ALPR data from third parties, including which databases your agency can access;

8. All training materials used to instruct members of your agency in ALPR deployment, data management, or operation of automated records systems that contain ALPR data to which any member of your agency has access, including regional or shared ALPR databases.

VIGILANT VIDEO ALPR QUICK GUIDE

1. Connect to Verizon
2. Connect to VPN
   NOTE: On this laptop, there are 2 VPNs
   a. When the vpn box comes up with username "Tsanders2" close out of it.
   b. Highlight the MLPD-mlpd vpn and click on it
3. When Lock shows on task bar, click on the icon on the desktop "Car Detector Mobile DSP 4.0"
4. The software will start to load and then a log on box will appear
   a. A blank space will ask for a license code-**Leave Blank**
   b. Click on "Run Trial"

   At some point during the process, the system may disconnect from Verizon.
   Close the VPN, Close Verizon and re-open both using the above steps.
5. A Warning box will appear- Click "OK"
6. The next log on box will appear:
   a. For **System** click on the drop down menu and choose "Mt Lebanon"
   b. For **Username** click on the dialog box and choose " Traffic"
   c. **Password** is 12345

-The system will take a few seconds to boot up, as it synchronizes with 300,000 NCIC entries from the HitList.

-As it boots 4 lights on the top right will go from red to green.

-You are good to go.

ADDITONAL NOTES:
The scofflaw list is entered in the database to give the user something to hit on and get familiar with the system. The difference between a scofflaw hit and a NCIC hit is that NCIC hits will note "STOLEN plate or STOLEN vehicle in the comments section when the system alerts.

All NCIC hits should be verified by checking the photo of the plate to make sure the captured information matches the entry on the right side of your screen, and by checking MDT.

See DCOP Truver with any questions.

ELSAG-NA ALPR Quick Guide

1. Connect to Verizon
2. Connect to VPN
3. Upper right corner of S 89 desktop click on "Open VPN GUI"
4. A box will pop up in the center of your screen and text dialogue will run. On the top of the box you will see "current state connecting"
5. When the script stops running the box will indicate "connected". A balloon may pop up on your task bar in the lower right saying "client now connected"
6. Click on ICON on upper right corner marked " CAR SYSTEM"
7. When the program opens there will be boxes. Click on the box marked "Mobile Plate Hunter 900"
8. As the program opens, 3 lights across the bottom will turn green
   LPR GPS COM.
9. When the lights are green there will be a gray screen on the right side of the display.
10. When you capture your first plate, the screen will populate with photos of captured vehicles.
11. A bar on either side of the plate screen will light green for that side camera to show you which camera caught the plate.
12. If the alarm sounds, verify the information with MDT like you would on any hit.
13. To silence the alarm, hit "Accept" button for a good hit.
14. Hit "Reject" button for bad hits or partial plate captures.

See DCOP Truver with questions.

From: Ken Truver
Sent: Wednesday, June 03, 2009 2:40 PM
To: Ken Truver; Police Supervisors
Cc: Michael Belak
Subject: RE: ALPR

Lieutenants,

Federal Signal's ALPR Product titled "PAGIS" is mounted on sedan 90. (nicknamed by shift 2 as "Sputnik")

Software is loaded on the Data911 unit and I will provide some initial training to specified users this week. There is also a quick-guide which shall be left in the car.

Federal Signal will send out an IT technician next week to load additional software, so we can monitor the back office product and load a "hotlist" etc...

In the mean time, officers do not have to worry about the equipment.
The car may be driven through the car wash.

Officers with a desire to use the car and learn the basic operation should see me on daylight.
There is a toggle switch on a small blue box in the center console that should be off when the unit is not in use, so there is no battery drain.

This car currently has no "hotlist" to identify stolen vehicles, and any use this week shall be for capturing plates for later data mining.

See me with questions.

Thank you for your continued patience and cooperation on this project.

Ken

Kenneth M. Truver
Deputy Chief of Police
Mt. Lebanon Police Department
555 Washington Road
Pittsburgh, Pa 15228
(412) 343-4015
(412) 343-6235 FAX
ktruver@mtlebanon.org

From: Ken Truver
Sent: Friday, May 08, 2009 8:31 AM
To: Police Supervisors
Subject: ALPR

Watch Commanders,

We are working on deploying 2 more ALPR units in the field in the coming weeks.

I have been working with various roll calls to provide training on the device, and have developed the attached Quick Guide.

We have had 3 "hits" to date:

1. Chip hit on a plate for a person of interest from Homeland Security in March
2. Hughes hit on a stolen vehicle out of North Hills on 5-6-09(Vehicle not seized, but investigation on-going)
3. Patrus hit on a "stolen" vehicle out of Virginia on 5-7-09(Vehicle seized, but incident mostly civil)

While we have yet to make the "big arrest", our level of activity is encouraging insofar as the potential for the technology.

Please continue to deploy the unit (currently in S 80) as much as possible. If it's not in the field it's not working for us.
One of the untapped resources being developed is an archive of all plates captured while the unit is in the field. This data may prove useful for investigations in the future.

We encourage questions/comments and requests for additional training.

Thanks

Kenneth M. Truver
Deputy Chief of Police
Mt. Lebanon Police Department
555 Washington Road
Pittsburgh, Pa 15228
(412) 343-4015
(412) 343-6236 FAX
ktruver@mtlebanon.org

July 20, 2009

Michelle Staton
Executive Director
Auto Theft Prevention Authority
2 Kacey Ct.
Mechanicsburg, PA 17055

Dear Ms. Staton:

Thank you for taking the time to discuss the ATPA's experiences with Automated License Plate Technology during our recent phone conversation. Please allow me to tell you about our community and the reason for my letter.

As we discussed, Mt. Lebanon is a first ring suburb of Pittsburgh with a population of 33,000. Route 19 runs north to south through our community, and is a major route for southern suburban commuters traveling to and from the city. 38,000 vehicles use Route 19 through Mt. Lebanon on a daily basis.

In 2008, the Mt. Lebanon Police Department (MLPD), one of the larger suburban police agencies in western Pennsylvania, initiated research into ALPR technology. Through cooperation with PSP/CLEAN and national vendors, we have obtained 3 ALPR units (ELSAG-NA, Vigilant Video, and Federal Signal-PIPS) on a demo/loaner basis for evaluation. Another vendor (Data911) has agreed to "beta-test" the technology by coordinating with their third party to place a fourth unit in our fleet. Mt Lebanon employs a Manager of Information Systems who is available and willing to troubleshoot problems and coordinate with the vendors' engineers and technicians, and we have an investigation unit responsible for criminal investigation, able to spend time "data-mining" the ALPR archives for investigative leads. Our investigators work closely with other regional law enforcement agencies, insurance companies and professional associations to combat crime in our area.

In addition, MLPD is a member of an eighteen community cooperative council of governments (SHACOG), and is considered to be one of the leading agencies for technology projects in the area. We host/administrate a Mobile Data Terminal server for 58 agencies in six Counties, and a portal based information sharing project for the eighteen members of the COG. Our agency is in a position to showcase the ability and utility of the ALPR technology in this region, and we have the agency infrastructure to support the project.

Because of budget restraints experienced by all levels of government, however, we do not have the financial means to budget for ALPR purchase. Therefore, I am writing to request any funding assistance that the ATPA could possibly provide for MLPD's purchase of ALPR units, or for the "grant" of previously deployed ALPR units to MLPD for our use in and around the Mt. Lebanon area.

Thank you again for taking the time to consider our request. I enjoyed our phone conversation and I hope the Mt. Lebanon Police Department can work with the ATPA in the future on initiatives to reduce auto theft in southwestern Pennsylvania.

Sincerely,

Chief Coleman McDonough
Mt. Lebanon Police Department

Coleman McDonough <cmcdonough@mtlebanon.org>

Fwd: PIPS Portable Unit

1 message

Aaron Lauth <alauth@mtlebanon.org> Tue, Aug 7, 2012 at 12:47 PM
To: Coleman McDonough <cmcdonough@mtlebanon.org>

---------- Forwarded message ----------
From: Jamie Musulin <JMusulin@capitolelectronics.com>
Date: Fri, Apr 30, 2010 at 5:14 PM
Subject: PIPS Portable Unit
To: Aaron Lauth <alauth@mtlebanon.org>, Ken Truver <ktruver@csboro.com>

Gentlemen,

attached is information on the PIPS Portable Unit. I can request one for a demo if you would like. I also have a Crown Vic with a 4 camera (SLATE- low profile)system.

I have included a recent memo on the grant. I don't believe the mobile equipment must be shared. It appears that common and shared database/knowledgebase and information sharing initiatives are the objectives. Each Agency could have their own car(s) equipped and at shift change upload the data to a single BOSS Server. This could be done via wired or wireless. Each Agency would have their own access to the database so as not to block any other Agency. The entire database could be accessed by an authorized user(s) at each Agency.

From: Aaron Lauth [mailto:alauth@mtlebanon.org]
Sent: Friday, April 30, 2010 3:36 PM

To: JMusulin@CapitolElectronics.com
Cc: 'Ken Truver'
Subject: RE: BASLE Grant

Jamie,

Any thoughts on providing any assistance in the actual grant writing? We like the Federal Signal product and any help in preparing the paperwork would definitely be appreciated.

Thanks,

Aaron

Lt. Aaron Lauth

Mt. Lebanon Police Department

555 Washington Road

Pittsburgh, PA 15228

(412)343-4015

alauth@mtlebanon.org

From: Ken Truver [mailto:ktruver@csboro.com]
Sent: Friday, April 30, 2010 3:28 PM
To: Aaron Lauth
Cc: JMusulin@CapitolElectronics.com
Subject: RE: BASLE Grant

I'm absolutely interested.

I like the ELSAG product, but PIPS just came out with a mobile unit too.

Can Jim help us out with any Boiler Plate Grant summary and assistance applying?

The magnet mobile units are a good option if the SHACOG group has to share.

Each unit could cost about $20000.

Ken

Kenneth M. Truver

Chief of Police

Castle Shannon Borough

3310 McRoberts Rd

Castle Shannon, Pa 15234

(412) 885-9300 x110

(412) 885-9252 FAX

ktruver@csboro.com

From: Aaron Lauth [mailto:alauth@mtlebanon.org]
Sent: Friday, April 30, 2010 3:23 PM
To: Ken Truver Forwarder
Subject: FW: BASLE Grant

Chief,

Apparently this grant also applies to ALPRs. I wonder if we did a multi-agency server to feed the system could we get by on this grant? You are the ALPR expert. Do you have any interest in pursuing this? By the way the grant deadline was extended until May 19th.

Thanks,

Aaron

Lt. Aaron Lauth

Mt. Lebanon Police Department

555 Washington Road

Pittsburgh, PA 15228

(412)343-4015

alauth@mtlebanon.org

From: Jamie Musulin [mailto:JMusulin@CapitolElectronics.com]
Sent: Friday, April 30, 2010 1:58 PM
To: Aaron Lauth
Subject: BASLE Grant

Aaron,

I was wondering if you were aware of the BASLE Grant relative to License Plate Recognition? There is a current Grant open that sounds like a good fit if SHACOG would be interested. It is 100% funded and the technology qualifies for "shared data/RMS."

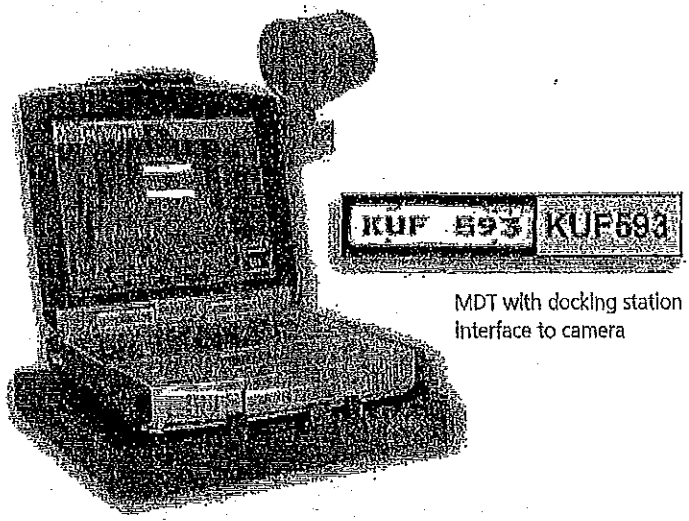
FYI – the deadline has been extended.

Lt. Aaron Lauth
Mt Lebanon Police Department
555 Washington Road

Data Sheet › FEDERAL SIGNAL

MOBILE LPI

INVENTORY, SCOFFLAW, PERMITTING AND CHALKING SOLUTION



MDT with docking station
Interface to camera

The Mobile LPI system provide automatic vehicle inventories and simultaneous identification of scofflaw, permit and timed-parking (chalking) violators.

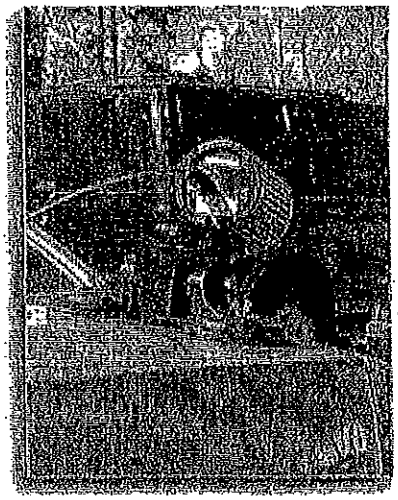
This technology improves accuracy of data while significantly reducing time and resource requirements.

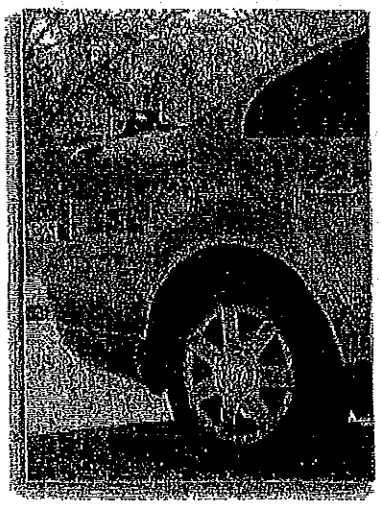
The Mobile LPI back office manager provides in-depth reporting, analysis and management capability.

The system operates day or night in most weather conditions.

Other benefits include increased worker safety and comfort and improved customer service (lost ticket / vehicle scenarios) while its reporting tools aid in management, parking enforcement and policy decisions.

Magnet Mount for P362 Camera

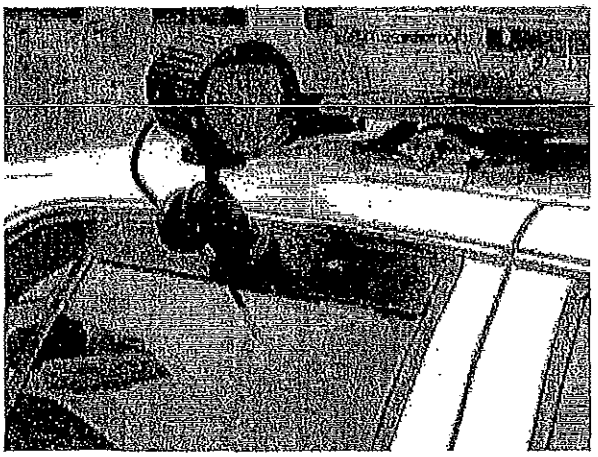




› Features

- Easy to deploy, turnkey system consisting of ruggedized touch-screen PC with docking station, up to two All-Pro weather resistant dual lens cameras with mounting and software
- Other configurations available for integration with existing vehicle laptops
- Advanced Optical Character Recognition (OCR) technology
- Magnet, window suction or fixed camera mount options
- Easy to use, powerful back office manager software interface

› Specifications



Window Mount for P362 Camera

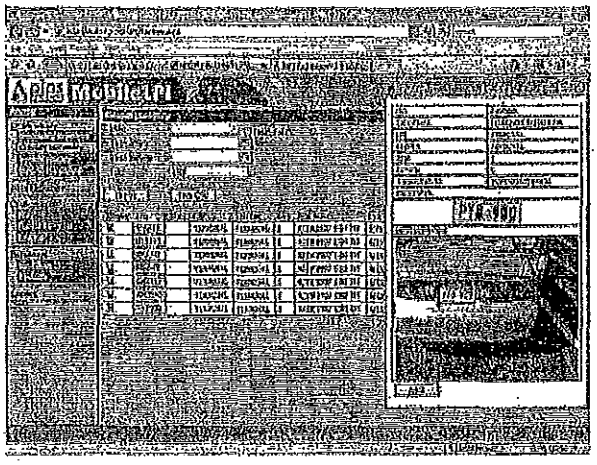
While simply driving through the parking area, a dual lens ALPR camera system captures infrared images of the vehicle license plates and color overview images of each vehicle. Using Optical Character Recognition (OCR), the system "reads" the license plate and compares it to various databases (stolen, scofflaw, permit, bootable, etc) and provides alerts to the driver. The system also records a date and time stamp for each vehicle data record which is used for "electronic chalking" in timed parking scenarios

The user has the ability to add annotations to vehicle records and to manually enter data, if required, via a simple intuitive touch-screen interface.

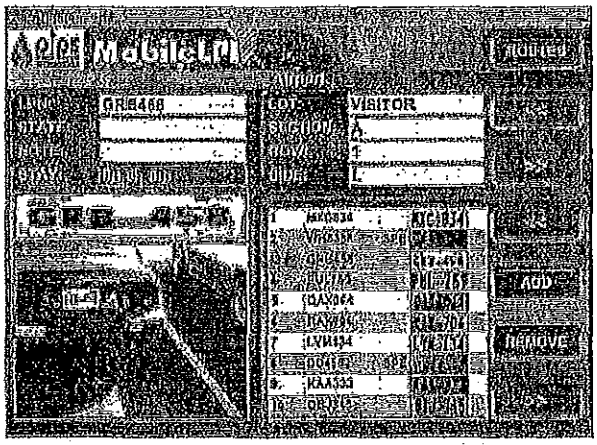
Details of lot, level, row and date and time are captured and appended to each vehicle data file to aid in lost ticket or vehicle events.

Applications

- Vehicle inventory capture
- Permit validation, or "virtual" permitting
- Identification of scofflaw, bootable or stolen vehicles
- Electronic chalking
- Identification of potential policy abusers by frequency reporting



Mobile LPI Back Office Manager



Mobile LPI In-Vehicle Capture Screen

Data from Mobile LPI systems can be managed by the PIPS Mobile LPI back office manager, a web-based software tool from PIPS that enables easy management of the data.

The PIPS Mobile LPI back office manager enables reporting of current inventories by lot and row, reporting of frequent visitors as defined by the user, management and synchronization of scofflaw and permit databases and much more.

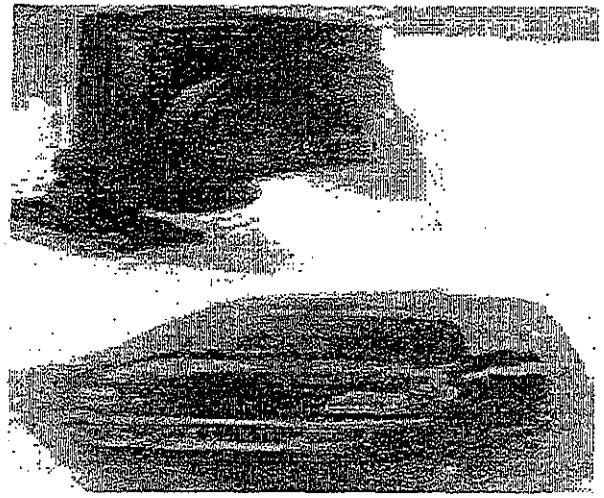
Other PIPS Parking and Access Control Products:

- AutoPlate Secure Access Control System
- Spike+ Integrated ALPR Camera and Processor

PIPS TECHNOLOGY
A Federal Signal Company
USA: 804 Innovation Drive, Knoxville, TN 37932-2562 USA
UNITED KINGDOM: York House School Lane, Chandlers Ford, Eastleigh, Hampshire SO53 4DG
800.548.7229 • pipstechnology.com
For more public safety information, visit federalsignal.com/publicsafety

CLEAN
Automated License Plate Reader

ALPR



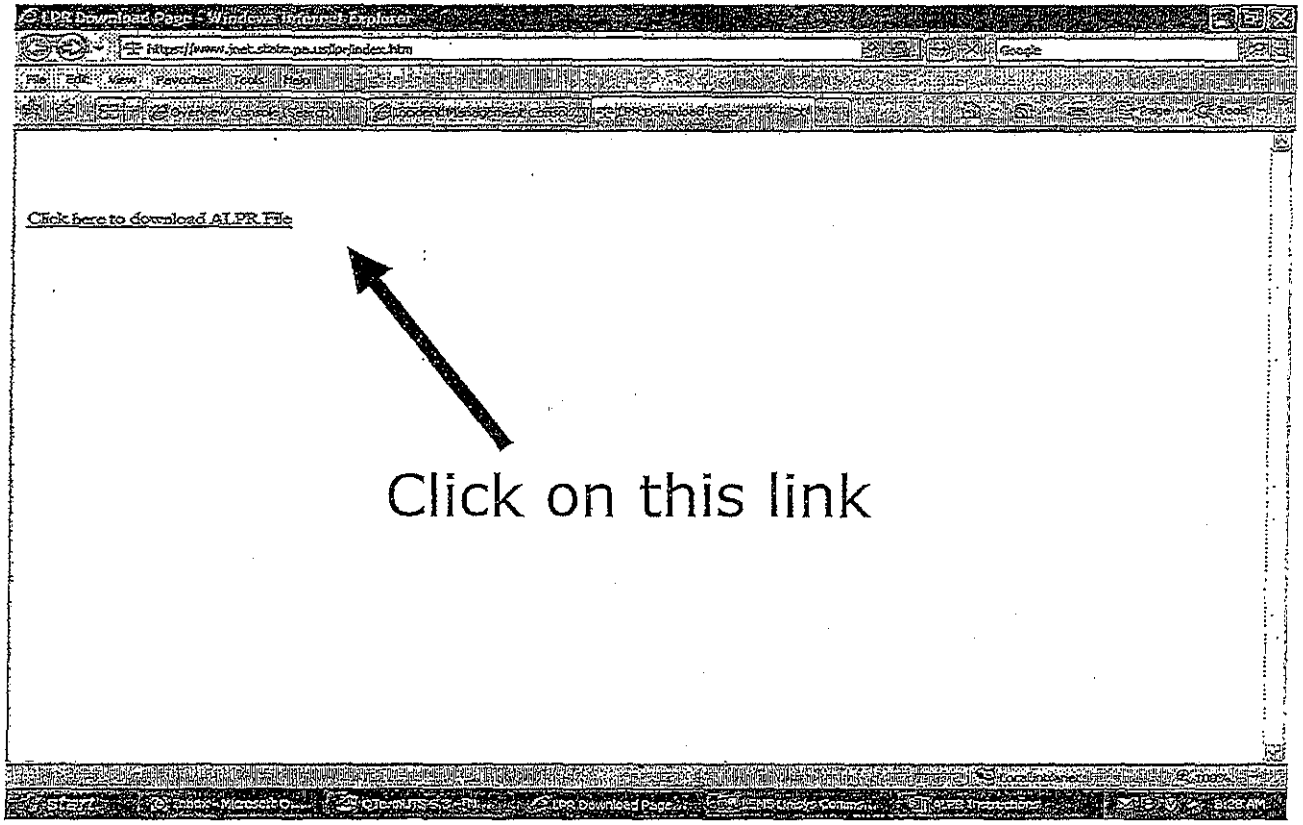
The automated License Plate Reader File has moved to the JNET site.

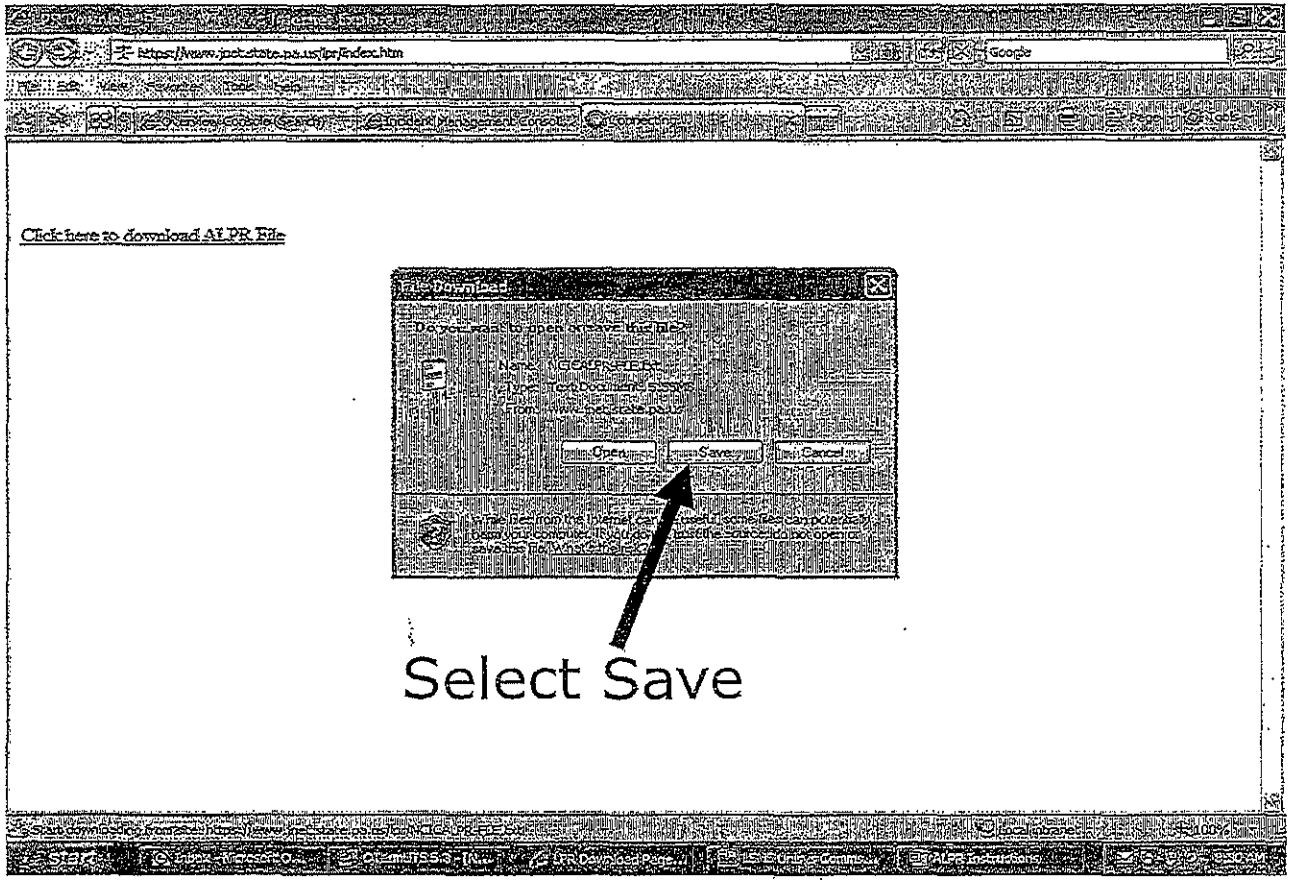
You must be a Criminal History User in JNET to be able to access this file.

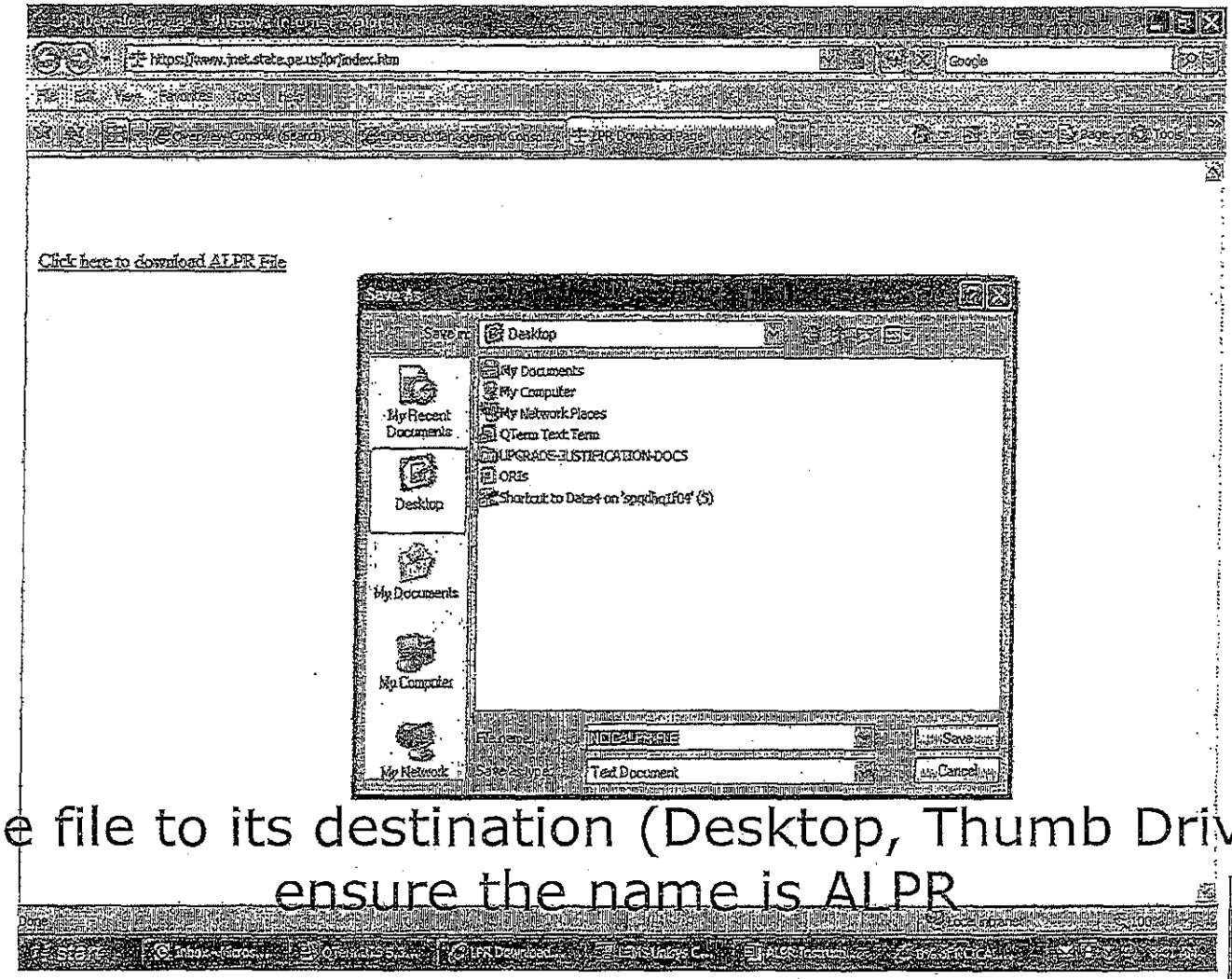
Below is the link to access the file.

https://www.jnet.state.pa.us/lpr

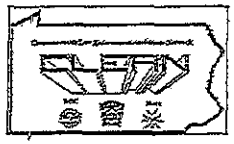
Once you click on the link you will see this page.

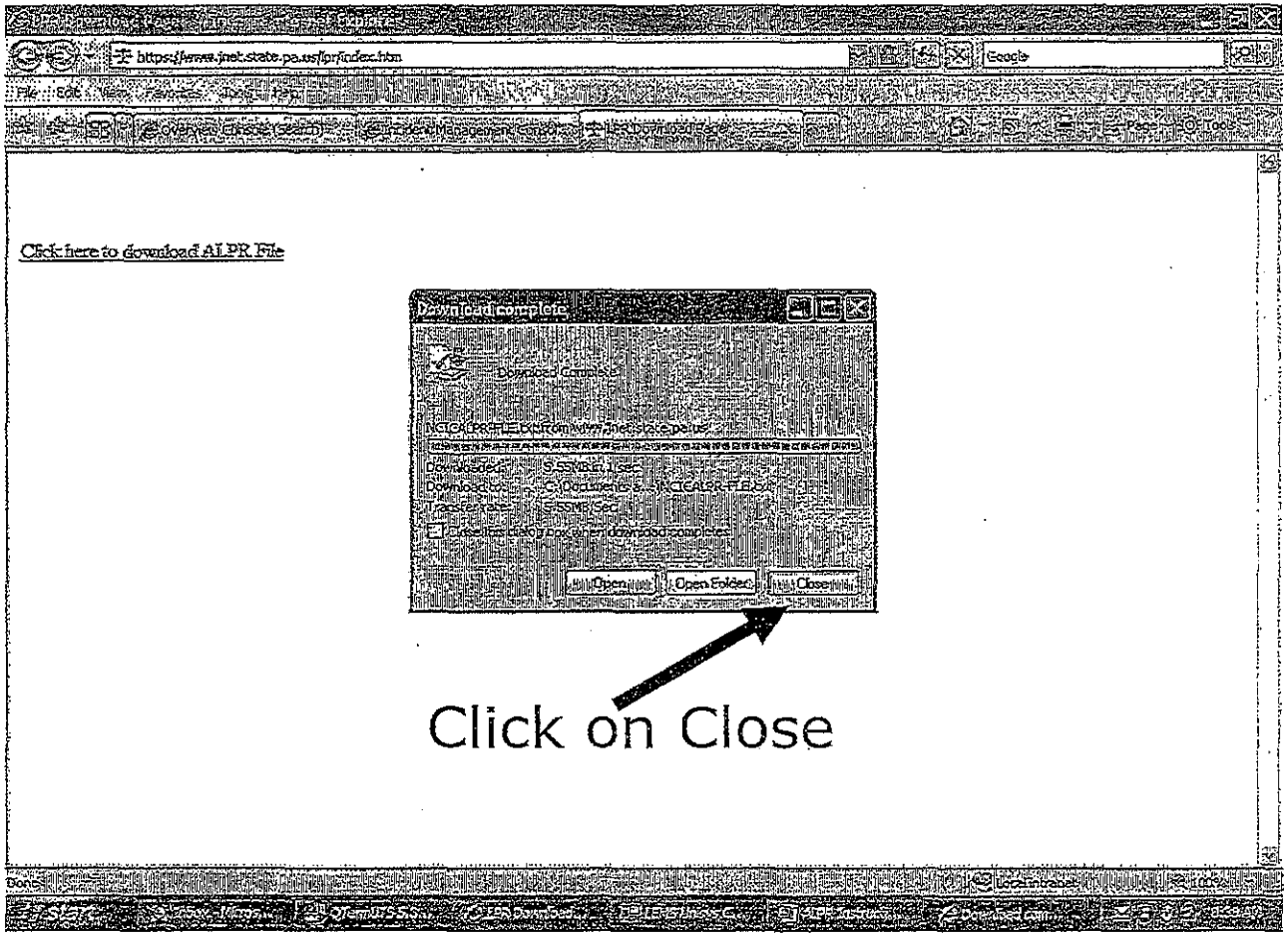



Click here to download ALPR File
Open
Save
Cancel
Select Save

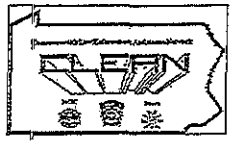


ave the file to its destination (Desktop, Thumb Drive,) and ensure the name is ALPR



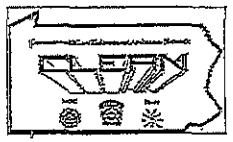

https://www.jnet.state.pa.us/lpr/index.htm
Click here to download ALPR File
Download Complete
Open
Open Folder
Close
Click on Close

- The File is now copied to the destination that you chose and ready to be uploaded to your vehicle



- The ALPR file will continue to be updated 3 times a day.
  - » 2230 Hours
  - » 0530 Hours
  - » 1430 Hours

- If you experience problems with the ALPR file please contact the PSP Helpdesk at 1-877-777-3375



FEDERAL SIGNAL
Advancing security and well-being.

April 8, 2009

Deputy Chief Kenneth M. Truver
Mt. Lebanon Police Department
710 Washington Rd, Mount Lebanon, PA 15228
(412) 531-5300

Reference: Mobile Automated License Plate Recognition (ALPR) System, PAGIS and BOSS

Dear Deputy Chief Truver,

Thank you for the opportunity to quote our Mobile Law Enforcement Automated License Plate Recognition (ALPR) System referred to as PAGIS. PIPS Technology has been the industry leader in ALPR systems worldwide for over 15 years. When considering an ALPR vendor I hope you will take into consideration the following key points about our company:

- Our only market focus is specializing in Automatic License Plate Recognition technologies.
- PIPS has been in the LPR market since 1993 and has over 16,000 LPR cameras in place worldwide
- As are the only North American Original Equipment Manufacturer, that designs, manufactures, and develops our own hardware and software -- we control the quality and support of our products from start to finish.
- PIPS offers the only single source, LPR "back-end" solution (BOSS) that provides, user management, hotlist coordination, and, most importantly - data-mining of "historic" license plate information obtained and stored from all deployed mobile (and fixed) systems within your department. BOSS can be linked to other users of PIPS systems to create a local, regional, or statewide network of LPR data for enhanced crime fighting capabilities.
- Our technology has passed a rigorous 10-protocol day and night testing procedure by the CHP with successful capture and successful plate interpretation rates of 92% accuracy obtained at speeds up to 110 miles per hour in various conditions that simulate the mobile law enforcement environment. No other LPR vendor has come close to this standard.

I am pleased to provide you with the following package pricing for one (3) three camera LPR systems without touch screen monitor/processor "hard" mounted in a police vehicle. This system is quoted for integration into an existing MDT environment. ***This package is an offer for a system trial which will last thirty (30) days after installation. If Mt. Lebanon Police Department feels that the technology meets their expectations they can issue a Purchase order in the amount below. If Mt. Lebanon Police Department does NOT feel that the technology meets their expectations or are unhappy in any way with the technology, Federal Signal Corporation will take back the system at NO CHARGE to Mt. Lebanon Police Department.***

2645 Federal Signal Drive
University Park, IL 60466

Phone: 412.298.0494

E-mail: jgolemblewski@fedsig.com

FEDERAL SIGNAL
Advancing security and well-being.

QTY	DESCRIPTION	List	Discounted Unit price	Extended
1	Police ALPR PAGIS unit to include :(1) three camera system. Three Camera System with 810 or 950 nm cabling; PIPS ALPR processor-trunk mounted; GPS module; All requirad PAGIS and ALPR software installed on the processor for the Cameras of NC vehicle license database (NCIC). A custom light bar mount will be provided for your specific light bar make and model.	$21,500	$19,500	$19,500
1	PIPS-SW-BOSS "Back Office Server Software" installed on police Department hardware - (2GB storage limit), and one admin and one conourrent user license	$ 1,150	$1000	$ 1000
1	Installation and Training	$3,420	$3,200	$3,200
				$23,700 + Tax, Freight

Our quote ***Includes*** installation of our system. During that time, our system will be installed in your designated vehicle at the location, and 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 your existing PC or Laptop Computer. 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 PAGIS unit. The initial cost of installing BOSS for your office can be utilized for all future PIPS mobile installations within your organization. It can also integrate with 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. **This version of BOSS has a storage limit of 2GB. If your agency already has a full license of Microsoft Sequel Server, BOSS will not have any storage limit.**

Our quote ***does not include*** applicable sales tax or shipping or insurance. Shipping and insurance is estimated at $200 per system but will be billed at actual expense.

All PIPS equipment hardware and software is covered by a one-year parts and labor warranty. Maintenance agreements are available for both our hardware and software products. These agreements supply you with upgrades and improvements to our OCR engine for enhanced plate detection capabilities and software upgrades for BOSS and PAGIS in addition to all hardware sold by PIPS Technology, Inc. (cameras, processor, cables, connectors and/or touch screen monitor). The annual costs for these agreements will be quoted if requested.

Thank you again for the opportunity to provide you a price quotation. Please let me know if you require any other information. I can be reached directly at 412.298.0494 should you have any questions regarding the content of this quotation. Please sign this quote below and we will move forward with the trial system.

Best Regards,

Signature: _____

Title: Deputy Chief of Police

Joseph Golembiewski
Federal Signal Corporation

2645 Federal Signal Drive
University Park, IL 60466

Phone: 412.298.0494

E-mail: jgolembiewski@fedsig.com

PIPS TECHNOLOGY
A Federal Signal Company

Mobile ALPR System Customer Survey

This form is to be completed in conjunction with issuing a formal quotation to any customer that is intent on the purchase of a mobile ALPR system from PIPS Technology. This form must be captured as an attachment to the Opportunity created in SalesForce.com along with the quotation.

Date Completed: 5-29-09

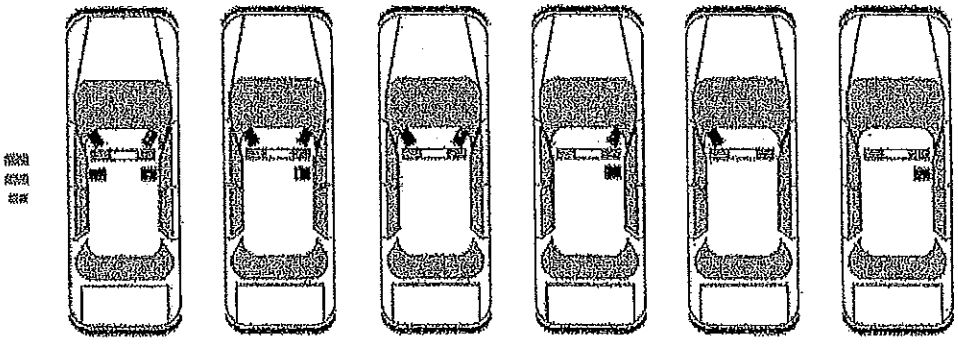
# of Vehicles to be Deployed: 1

Key Contact Person: KENNETH M. TRUVER

KCP Email Address: KTRUVER@MTLEBANON.ORG

KCP Phone #: 412 343 4015

PIPS Mobile System Camera Configuration (circle one)



Customer Use Cases (check the use case configuration that applies)

Platinum Package:

- Two Highway and Two Parking
- One Highway, One Street Parking and Two Side Parking ☐

Gold Package:

- Two Highway and One Parking ☐
- One Highway, One Street Parking and One Side Parking ☐

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~~Silver~~ Package:

- Two Highway ☐
- One Highway and One Street Parking ☐
- One Highway and One Side Parking ☐
- One Street Parking and One Side Parking ☐

Bronze Package:

- One Highway ☐
- One Street Parking ☐
- One Side Parking ☐

Vehicle Architecture:

- Standalone ☐
  - PIPS monitor must be included as part of the quote
- Client/Server ☒
  - MDC Make/Model: Ovia 911
  - Ethernet port must be available to use existing MDT in client/server architecture. Has this been confirmed? YES ☒ NO ☐

Vehicle Details:

- Make, model and year of vehicle: Crown Victoria 08 Ford
- Light bar manufacturer and model: Feniex Argent SL
- If no light bar is available, what is the recommended mounting technique for the vehicle (luggage rack, etc)? _____
- Is the vehicle equipped with a factory installed Police Package? ☒
- Is the vehicle equipped with a power timer or Charge Guard for control of the electrical system? yes
- Does the vehicle contain an equipment tray in the trunk? ☐ Is enough space available to mount the SupeRex processor (12" by 16")? ☒ 7

Note: this section must be completed for each vehicle deployed if any of the noted details of the vehicle are different.

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BOSS Considerations:

- BOSS Hardware Provided by Customer: YES ☒ NO ☐

  If yes, provide the customer with the PIPS minimum specifications for a BOSS server.

- SQL Server database engine to be provided by customer: YES ☐ NO ☐

- Customer will provide IT resource in support of BOSS installation

  Name: Nick Schalles Phone #: (412) 341-3348

  Email Address: NSchalles@mtlebanon.org

- System Administrator:

  Name: Ken Truver Phone #: (412)343-4015

  Email Address: KTruver@mtlebanon.org

Installation Recommendation:

- PIPS installer ☐
- PIPS Authorized Service Shop ☒
- Customer fleet service with PIPS supervision/commissioning ☐
- Customer fleet service with PIPS commissioning ☐
  (previous installation experience with PIPS required)

- Install location/address: 555 Washington Rd PGH PA 15228

- Customer Contact for Install Coordination:

  Name: Ken Truver Phone #: 412 343 4015

  Email Address: KTruver@mtlebanon.org

Data Communication:

Data transfer between BOSS and PAGIS will be accomplished by:

- ☐ USB thumb drive
- ☐ Physical Ethernet connection
- ☐ WiFi
- ☒ Cellular data air card – Cellular provider: Verizon
- ☐ Mesh network

Miscellaneous Notes:

NetMotion

If you are running NetMotion, you will need version 6.5 or higher with the Policy Manager License (extra add-on license above and beyond the standard NetMotion server license offered by NetMotion). Refer to NetMotion Tech Note # 2200.

Ethernet Port on your existing MDC

You will need to have an available Ethernet port available on your MDC. We must be able to set the IP address of this port to 192.200.200.200. Hubs are not an option. If you do not have an available port, you will need to purchase a USB or PCMCIA adapter that adds an Ethernet port to your MDC. Our ALPR system needs full ownership of the port.

MS SQL

Microsoft SQL is required to house the BOSS database. Is there a Microsoft SQL server available for use with BOSS? (Note: if not, PIPS can provide a SQL license as a line item on the quotation or implement a free version called SQL EXPRESS will be provided, which has a 4GB storage limitation). ***SQL EXPRESS is only recommended for customers with a single vehicle deployment and data storage requirements of less than one year. All others will require a SQL license.***

MDC Minimum Requirements:

- 1.2 GHz AMD or Intel Microprocessor with 1 GB RAM
- Windows XP Professional with Service Pack 2
- Available 10/100 Ethernet Port and USB Port (1.1 or higher – 2.0 preferred)
- 15 GB available space on the hard drive
- XVGA screen with minimum of 1024 x 768 resolution. Touch screen preferred.

PIPS Client/Server Architecture

To install PAGIS on the MDC, the PIPS technician will require temporary Windows Administrative Rights for the MDC that must be provided by the agency's IT department.

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Typical BOSS Server Requirements:

Item	Description
Base Unit	Quad Core Xeon E5405 Processor 2x6MB Cache, 2.0GHz, 1333MHz FSB, PE2950
Memory	4GB 667MHz (4X1GB), Dual Ranked Fully Buffered DIMMs
Video Card	LOM NICs are TOE Ready
Video Memory	Riser with 3 PCIe Slots for PowerEdge 2950
Hard Drive	80GB 7.2K RPM Serial ATA 3Gbps 3.5-In HotPlug Hard Drive
	Qty 2 750GB 7.2K RPM Universal SATA 3Gbps 3.5-In HotPlug Hard Drive
Hard Drive Controller	SAS 6.IR Integrated, x6 Backplane
Operating System	Windows Server 2003 R2 Standard Edition with SP2 Includes 5 CALs
NIC	Embdded Broadcom NetXtreme II5708 Gigabit Ethernet NIC
CD or DVD-ROM Drive	24X IDE CD-RW/DVD Rom Drive
Additional Storage Products	80GB 7.2K RPM Serial ATA 3Gbps 3.5-In HotPlug Hard Drive
Miscellaneous	Rack Mount Unit

BOSS Internet Connectivity

BOSS requires an internet connection to utilize MicroSoft Live Earth optional mapping utility and for software license key access/setup.

BOSS Databases

The customer is responsible for securing all databases of interest for use with BOSS. The user will need to make arrangements to secure access to the state version of the NCIC database (or any other databases of interest) prior to BOSS installation.

Firewall/Proxy Servers

If using a firewall, the IT Department will need to configure the firewall so that BOSS can have direct Internet access to the MicroSoft Live Earth site (if using this optional mapping utility). If using a Proxy Server, it must be configured to allow BOSS direct access to the Internet.

BOSS Client

Remote Clients will need to access BOSS via the agency's network.

PAGIS Connection to BOSS

If using WiFi – the MDC running PAGIS must be able to ping the BOSS server IP address from a wireless hotspot. If using a cellular aircard, the VPD software must allow the MDC running PAGIS to ping the BOSS server. If using a USB Thumb Drive, a minimum 256MB drive is recommended.