



Lincoln Police Department
James Peschong, Chief of Police
575 South 10th Street
Lincoln, Nebraska 68508

402-441-7204
fax: 402-441-8492



MAYOR CHRIS BEUTLER

lincoln.ne.gov

October 9, 2012

Ms. Amy Miller
ACLU Nebraska Foundation
941 "O" Street, Suite 706
Lincoln, Ne 68508

Re: Public Records Request: Automatic License Plate Readers

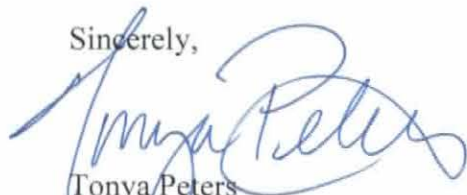
Dear Ms. Miller,

This letter is in regards to your email dated October 2, 2012 and correspondence related to the ACLU's public records request. You have requested copies of the documents referenced in the Lincoln Police Department's response letter, dated September 7, 2012.

As discussed, I tried to de-duplicate to reduce your costs. The duplicate copies of emails and the draft copy of the bid specifications have been set aside should you like a copy. The final costs of the copies are \$9.50. Please provide a check payable to the City of Lincoln.

If you have any questions, please feel free to contact me.

Sincerely,



Tonya Peters
Police Legal Advisor

cc: City Clerk (Letter Only)



- 13030 -
A nationally accredited law enforcement agency



City of Lincoln, Nebraska
PURCHASE ORDER
Phone: (402) 441-7417

Page 1
Date 8/11/09
Order 13775-000 OP
Brn/Plt 04009

Order number must appear on your
invoice, packing slips, shipping documents,
packages, and correspondence.

ISSUE TO:

Federal Signal Corp
2645 Federal Signal Dr
University Park IL 60466

Closed

↓ INVOICE & DELIVERY TO LOCATION ↓

Lincoln Police Department
Police Property
575 S 10th St
Lincoln NE 68508

Ordered - 08/10/09 Freight -
Requested - 08/10/09 Taken By -
Delivery -

Description / Supplier Item	Ordered	UM	Unit Cost	UM	Extension	Req. Dt
6800110						
Police Equipment & Supplies	2	EA	22,097.5000	EA	44,195.00	08/10/09

Mobile Law Enforcement Automated License Plate Recognition
System
Per Specification 09-094.

6800110						
Police Equipment & Supplies	1	EA	2,200.0000	EA	2,200.00	08/10/09

Mobile Law Enforcement Automated License Plate Recognition
Extended Warranty Per Specification 09-094.
Per Specification 09-094 by Mark Bunker.

Sales Tax

Total Order

Terms Due Upon Receipt

Tax Rt

46,395.00

Michelle R Selwege
Signature

11/30/09
Date

-13031-

MATERIAL RECEIVED REPORT

Payment Vouchers By Batch
Director's Approval Report

Page - 1
Date - 12/01/09

Batch Number	User ID	Alpha Name	Address Number	Special Payee	Document Number	Invoice Number	Amount	Account Number	Explanation -Remark-
503884	LPDRAI	Federal Signal Corp	25591	119909	1147440	6627	5,400.00	225120.6076	Police Equipment & Supplies
Batch total							5,400.00		
count									1

COPY



FEDERAL SIGNAL CORP.
Advancing Security and Well-being

INVOICE

PIPS Technology
804 Innovation Drive
Knoxville, TN 37932-2562

Send Payments To:
PIPS Technology Inc
C/O Bank of America
15027 Collection Center Drive
Chicago, IL 60693

WIRE TRANSFERS to:
Bank of America Chicago, IL
Acct No. 1233062483
ABA No. 0260-0959

Billing/Credit Inquiry: (865)-392-5540
Fax: (865)-392-5599

Invoice No. 6627
Invoice Date 11-20-09
Our Order No. 3353

SHIPPER: 5485

Cust Fax:

Page 1

SOLD TO: 1371
LINCOLN POLICE DEPT
POLICE PROPERTY
ATTN: ACCOUNTS PAYABLE
575 S 10TH ST
LINCOLN, NE 68508

SHIP TO:
LINCOLN POLICE DEPT
POLICE PROPERTY
575 S 10TH ST
LINCOLN, NE 68508
USA

REP: 27 REGION: 3

N
DE
N

BILL TO NO.	CUSTOMER'S ORDER NO.	TERMS	SHIPPED VIA & TRACKING #	DATE SHIPPED
1371	13775-0000P Charge Code CC2134	0.00/0/30 KNOXVILLE FREIGHT TERMS: Prepay and Bill	FED-X GRND	11-20-09

ITEM NO.	QUAN. ORDERED	QUAN. BACK ORD.	QUAN. SHIPPED	PART NUMBER / DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
1	1	0	1	INSTALLTRAIN SYSTEM INSTALL OR TRAIN	5400.00	5,400.00
SUB-TOTAL						5,400.00
SHIPPING & HANDLING						0.00
INVOICE TOTAL						\$ 5,400.00

If you wish to receive your invoices via email
please respond to: slakins@federalsignal.com

- 13033 -

Payment Vouchers By Batch
Director's Approval Report

Page - 1
Date - 12/01/09

Batch Number	User ID	Alpha Name	Address Number	Special Payee	Document Number	Invoice Number	Amount	Account Number	Explanation -Remark-
503882	LPDRAI	Federal Signal Corp	25591	119909	1147439 6425		2,200.00	04009.6076	Police Equipment & Supplies
					1147439 6425		38,795.00	225120.6076	Police Equipment & Supplies
Batch total count					2		40,995.00		

COF



FEDERAL SIGNAL CORP.
Advancing Security and Well-being

INVOICE

PIPS Technology
804 Innovation Drive
Knoxville, TN 37932-2562

Send Payments To:
PIPS Technology Inc
C/O Bank of America
15027 Collection Center Drive
Chicago, IL 60693

WIRE TRANSFERS to:
Bank of America Chicago, IL
Acct No. 1233062483
ABA No. 0260-0959-3

Billing/Credit Inquiry: (865)-392-5540
Fax: (865)-392-5599

Invoice No. 6425
Invoice Date 08-26-09
Our Order No. 3353

SHIPPER: 5289

Cust Fax:

Page 1

SOLD TO: 1371

LINCOLN POLICE DEPT
POLICE PROPERTY
ATTN: ACCOUNTS PAYABLE
575 S 10TH ST
LINCOLN, NE 68508

SHIP TO:
LINCOLN POLICE DEPT
POLICE PROPERTY
575 S 10TH ST
LINCOLN, NE 68508
USA

REP: 27

REGION: 3

N
DE
N

BILL TO NO.	CUSTOMER'S ORDER NO.	TERMS	SHIPPED VIA & TRACKING #	DATE SHIPPED
1371	13775-0000P	0.00/0/30	FED-X GRND 179569210020790	08-26-09
	Charge Code	KNOXVILLE		
	CC2134	FREIGHT TERMS: Prepay and Bill		

ITEM NO.	QUAN. ORDERED	QUAN. BACK ORD.	QUAN. SHIPPED	PART NUMBER / DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
1	2	0	2	L34CZSV	18700.00	37,400.00
				LAW ENFORCE 4-CAMERA ALPR		
2	1	0	1	AV06BOSS01USER	995.00	995.00
				BOSS BLOCK OF 1		
3	2	0	2	FREIGHT	200.00	400.00
				SHIPPING COST		
4	1	0	1	EXTDWARRANTY1	2200.00	2,200.00
				1 YR EXTENDED WARRANTY		
5	2	0	2	AP523000000002	0.00	0.00
				CAMERA MOUNT SYSTEM, 4CAM		
SUB-TOTAL						40,995.00
SHIPPING & HANDLING						0.00
- 13035 - INVOICE TOTAL						\$ 40,995.00

If you wish to receive your invoices via email
please respond to: slakins@federalsignal.com

Michele R. Selvage

From: Bunker, Mark [mbunker@fedsig.com]
Sent: Wednesday, April 29, 2009 10:39 PM
To: Michele R. Selvage
Subject: RE: Bid 09-094
Attachments: BOSS 3.0 Software Users Manual.pdf

Michele:

The following is the information you requested.

1. Cincinnati, OH Police Dept (Approx 2 yrs)
Heather Whitton- Computer Program Analyst-Police ITMS
(513) 263-8134
heather.whitton@cincinnati-oh.gov
2. Long Beach Police Dept (Approx 2 yrs)
Det. Sgt Chris Morgan- ALPR Administrator
(562) 570-7366
chmorga@longbeach.gov
3. Post Falls, ID Police Dept (Approx 1yr)
Capt. Scot Haug
(208) 773-3517
shaug@postfallspolice.com

The attached BOSS Users manual gives detail information in Section 9 and 10 as to Hotlist creation and formatting.

If you need additional assistance, please ask.

Cordially,

Mark Bunker

District Manager, Mobile Systems
MO/IA/NE/KS
Public Safety Systems

913.485.4104 cell
913.599.3173 office
913.599.5020 fax
800.433-9132, mailbox 8007

5/8/2009

mbunker@fedsig.com

visit us at: <http://www.pipstechnology.com>

<http://www.youtube.com/profile?user=platereader&view=favorites>

From: Michele R. Selvage [mailto:lpd1405@CJIS.LINCOLN.NE.GOV]

Sent: Tuesday, April 28, 2009 1:17 PM

To: Bunker, Mark

Subject: FW: Bid 09-094

Michele

From: Michele R. Selvage [mailto:lpd1405@cjis.lincoln.ne.gov]

Sent: Tuesday, April 28, 2009 1:16 PM

To: 'mark.bunker@pipstechnology.com'

Subject: Bid 09-094

Mark,

In order to help us complete our evaluation of the bids submitted we need three references from agencies that are currently using your system. Please include the agency name, contact person, phone number and email address of contact person along with how long they have been using the system.

We also need you to send us a detailed process of importing stolen files from NCIC and other databases into your system.

Michele Selvage
Accounting Manager
Lincoln Police Department
402-441-7216

Maintenance = 1.12 months 87.97% on average

24 Install

2 1/2 Law Training

A Federal Signal Company

City of Lincoln
Mr. Tom Kopplin
Purchasing
440 S. 8th St.
Lincoln, NE 68508

March 31, 2009

REF: Lincoln Bidding Bid Opportunity Invitation: 09-094. Two (2) each Mobile Law Enforcement Automated License Plate Recognition (ALPR) Systems.

Dear Mr. Kopplin,

Thank you for the opportunity to quote our Mobile Law Enforcement Automated License Plate Recognition (ALPR) System. Federal Signal's PIPS Technology has been the industry leader in ALPR systems worldwide for over 14 years. The information below and attached is our response to the Bid Opportunity 09-094:

- Response to Bid 09-094:
 - Federal Signal has reviewed the Bid Attributes including:
 - Specifications
 - Instructions to Bidders
 - Electronic Signature
 - Delivery
 - Contact

Federal Signal complies by meeting or exceeding all requirements to this Bid. Any Line Item Description and/or Clarification is noted in either the Pricing document or under Supplier Notes as requested.

- HighLights to Federal Signal's Bid Response:
 - **Slate-810-LE-P** Qty Two (2) Police ALPR PAGIS units to include: **Four** (4) Slate Dual lens cameras with Infrared and **color** overview; all custom camera cabling; PIPS ALPR processor-trunk mounted; GPS module; All required PAGIS and ALPR software installed on the processor for vehicle license database. Custom flat camera brackets for use on the vehicle of your choice.
 - **PIPS-SW-BOSS** "Back Office Server Software" installed on department hardware one (1) software license per site is required. This is for 1 administrator and 1 concurrent user. This ALPR "back-end" analysis software package (**Back Office Server Software** (BOSS). Based on **Microsoft's Sequel Server database software**. provides data-mining of "historic" license plate information obtained and stored from all deployed mobile (and fixed) systems from within your department which can be integrated with other PAGIS / BOSS users to share and data mine their historic plate information.
 - **PIPS-SRVC-MVI** Field Engineering services required for the installation of the PIPS Mobile ALPR system on a police vehicle including PAGIS in-car and BOSS back office software training. Priced on a per vehicle basis with travel and living expenses included.
 - Warranty (1) year and (3) years of Maintenance for Hardware and Software.
 - Independent Test results from 3rd party agency. California Highway Patrol. There is also a DHS/FEMA Assessment available from the DHS to Law Enforcement only. We are able to provide access information, but not the content of the report.

A Federal Signal Company

The following pricing for Two (2) **Four**-camera new "low profile" ALPR systems "hard" mounted and integrated into your existing MDT system in your patrol vehicles.

Qty	DESCRIPTION	Each	Extended
2	Slate-810-LE-P Police ALPR PAGIS unit to include: four Slate 2 dual lens cameras with Infrared <u>and</u> color overview; all custom camera cabling; PIPS ALPR processor-trunk mounted; <u>GPS module</u> ; All required PAGIS and ALPR software installed on the processor for the vehicle license database. Custom flat camera brackets for use on the vehicle of your choice.	\$18,700	\$37,400
1	PIPS-SW-BOSS "Back Office Server Software" installed on department hardware one (1) software license per site is required. This is for (1) administrator and (1) concurrent user.	\$995	\$995 <i>-(Concurrent)</i> <i>2750 - 5</i> <i>- 10</i>
2	PIPS-SRVC-MVI Field Engineering services required for the installation of the PIPS Mobile ALPR system on a police vehicle including PAGIS in-car and BOSS back office software training. Priced on a per vehicle basis with travel and living expenses included. * This pricing has been reduced to reflect only a single Travel and Expense incurred charge, assuming both units will be install during the same period. If not, the Install and Training charge would be \$3,200/per unit, if done separately.	\$3,200	\$5,400*
	Freight	\$200	\$400
	TOTAL(Not Including Taxes):	\$23,095	\$44,195
	This quote is subject to Federal Signal's standard terms, conditions and wa		
	All shipments are FOB shipping point.		
	Tax NOT Included if necessary.		
	Without Laptop/MDT -System requires touch-screen display or monitor.		

Scope of Work:

Our quote **does include** the cost of installation and training on the system / software. After installation, you or the appropriate personnel will receive training on both PAGIS and BOSS by a Federal Signal representative.

Our quote **does include** 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 mobile LPR system. 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 other Law Enforcement agencies utilizing BOSS, Fixed/Mobile ALPR sites, or with commercial purchasers of our ALPR systems to provide a comprehensive database of vehicle movement where Federal Signal's PIPS Technology systems have been deployed. **This software has a 4GB storage limit. If your agency has a full license of Microsoft Sequel Server Software, BOSS will not have any storage limit.**

A Federal Signal Company

All Federal Signal PIPS Technology 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 Optical Character Resolution (OCR) engine for enhanced plate detection capabilities and software upgrades for BOSS and PAGIS in addition to all hardware sold by Federal Signal's PIPS Technology, Inc. (cameras, processor, cables, connectors and/or touch screen monitor). The cost for this optional coverage is **\$2,200** for Year Two and Year Three (after the (1) year warranty expiration), per Unit. The third year of Maintenance (after the (1) year warranty expiration) would be **\$2,420**, per Unit.

Optional offerings include Enhanced Mapping software, Mounting, Fixed camera deployment, and Services.

Regards,

Mark Bunker
Regional Sales Manager
Nebraska/Kansas/Iowa/Missouri
Federal Signal Public Safety Systems



California Highway Patrol
Field Support Section

Mobile Traffic Monitoring Camera Systems

Test/Evaluation Report: (Test Date: 12/11/2005)

PIPS Technology, Inc.
10511 Hardin Valley Rd., Bldg. C
Knoxville, Tennessee 37932
(865) 693-4432

General Technical Requirements	Required	Compliant	Supporting Information
	Highly Desirable	Partially Compliant Non Compliant	
ALPR Systems shall be in compliance with the California Vehicle Code including but not limited to the requirements noted in Division 12, Chapter 2.	R	C	
ALPR devices shall be able to read and record the Vehicle License Plate (VLP) of a target vehicle whether it is approaching or receding from the image capturing device.	R	C	

The ALPR system shall read the VLP of the target vehicle both while the platform is stationary and while the platform is mobile. Additionally, the system shall read the VLP of a target vehicle both while the target is stationary and while the target is mobile.	R	C	
The system shall be capable of reading VLP's where the speed differential between the patrol vehicle and the target vehicle is up to 110 mph without degradation.	R	C	
The ALPR System shall read the VLP of the target vehicle. The detection of a license plate within the video image will be undertaken without the use of external triggers (e.g. loops in the ground).	R	C	
The ALPR system shall present within the graphic user interface (GUI) a cropped image of each plate (hereafter referred to as a 'plate-patch' image) alongside the digitized read to allow for operator verification.	R	C	
The plate patch image and digitized read will be presented to the operator at sufficient size to be readable (on an 8" or greater screen) from a distance of up to 4 feet.	R	C	
The ALPR system shall also present within the GUI an uncropped color image of each plate read (overview). The overview image shall be of sufficient dimension to allow the operator to identify the vehicle type and color.	R	C	
Once the VLP of the target vehicle has been read, the System will search all relevant databases for the VLP.	R	C	

The ALPR system should not use 'fuzzy searching' logic in order to achieve accuracy. Only one context-compliant result will be reported for each license plate read and sent to the database for searching.	HD	C	
If there is no record of the VLP on any such database the ALPR System will record the reading and log the read and the image in a running log. This log of plate reads shall be available for review by the operator.	R	C	
The running log will have a scroll function allowing the operator to look through previous reads. Any previous reads, when selected by the operator will be presented in the GUI with the overview and plate-patch images, alongside a timestamp and GPS location of the selected read.	R	C	
At all times the operator will have the opportunity to correct any misreads by the system. The option to correct a plate will be presented as a single touch icon in the GUI and shall not require the use of sub-menus.	R	C	
The correction of any plate will be included in an audit trail and the corrected plate will be sent to the database for matching.	R	C	
The GUI will present a single-touch icon to the operator for the manual entry of a license plate for checking. Any plates entered by this method will be sent to the database for matching and the transaction recorded in an audit trail.	R	C	

The system shall allow for multiple databases of target VLP's. Those databases shall allow for the entry of both license plates and associated data. The associated data field shall accommodate not less than 200 characters of entry.	R	C	
If the reading of the vehicle is matched against any of the VLP's that are held on any of the databases within the ALPR system it is considered to be a match. The operator will be provided with an image of the VLP and the vehicle in order that he / she can make a comparison and verify the match.	R	C	
The System will automatically trigger an audible alarm and display of a "hit screen" when a match is made against the database. The System will simultaneously provide the operator with a report from the database relating to the VLP match.	R	C	
The system shall allow for variations to the audible alarm specific to the database from which the match was generated.	HD	C	
The hit screen will contain the plate patch, VLP interpretation, color overview, time of capture, Database source identification, vehicle and other details from the Database.	R	C	
The ALPR System shall maintain a record of the number of hits made and the details of all matches.	R	C	
All devices shall continue to read VLP's while the operator is dealing with a current match or dealing with any other menu or sub menu of the system.	R	C	

All databases shall have a priority set against them. The priority level of each database shall be definable by the System Manager. While an operator is dealing with a match on the device, should a further match be made it shall , depending on whether its database priority is higher or lower than that being dealt with, place the new match "behind" or "in-front" of the current match.	HD	C	
All VLP's that DO NOT match a loaded database shall be stored as a "read" which shall contain information, as a minimum, of operators identity, GPS location and timestamp and the relevant plate-patch and overview images. This data shall be stored on the local Hard Drive until such time as it has been exported for storage.	R	C	
Any data stored on the Hard Drive prior to export shall be stored in an encrypted format.	HD	C	
For all VLP's that match a loaded database, the system shall display database's description code on the GUI.	R	C	
After a valid user logs onto the device the user shall be given an option to import new databases and at the same time export and thus clear down any images/information captured since the last import/export.	R	C	
The CHP anticipates that in some instances, the import/export of the data shall be achieved via a standalone device, e.g. USB memory stick, which shall be independent from the current systems environment.	R	C	

The software supplied by the vendor for this project must include Back-Office connectivity software to facilitate the remote transfer of data to and from a Back Office Server (BOS) by wireless means. Details of the requirements of the BOS itself are outside of the scope of this assessment and will be released to those vendors successful in the initial qualifying period.	R	C	
The process of importing data shall allow the ability to bring in single databases to add to already existing databases held on the device.	R	C	
Where alternative import / export routines are considered in accordance with the requirements above, and in order to ensure a capability to import and circulate reports as required, devices and data shall be compatible with the following operating systems: Windows 2000 Professional or Windows XP Professional	R	C	
The operating system shall be able to be configured, if required, by local Information Technicians with the assistance of the supplier, to meet current security policies, for instance, desktop restrictions.	R	C	
The ALPR System shall recognise license plates that are compliant with California legislation for the current style and manufacture of license plates.	R	C	
The device shall be able to read plates from other states and that capability shall include the capability to read plates (compliant with appropriate state legislation) from Nevada, Arizona, and Oregon as a minimum.	R	C	
The device shall be capable of being operated, with an adequate power supply, 24 hours a day, 365 days a year.	R	C	

The ALPR system shall have the ability to read those plates that remain readable to the human eye where some characters are partly obscured (e.g.by tow-hitches). Systems demonstrating this capability will be preferred given the number of tow-hitches evident on vehicles in the state.	HD	C	
The system shall be software based and capable of running on standard computers or Mobile Data Terminals running Windows 2000 or Windows XP pro	R	C	
The device shall be able to provide, in the exported data, an audit trail capable of being presented in evidence including, as a minimum the following: log on/log off data, database upload information, details of vehicles checked and 'hits' generated.	R	C	
The system shall be capable of operation on a 10.4" touch screen. All icons will be of sufficient size to allow operation via the touch screen without the use of a stylus.	R	C	
The system shall utilise GPS data to log where and when the match against a VLP was made.	R	C	
The system shall offer different levels of privilege and access to databases for users which can be configured by the system administrator.	R	C	
In terms of Homeland Security and the policing of serious and organised crime, the database software must include the ability to set up and protect databases that are extremely sensitive in nature, and are only accessible and alerted to those operators with the appropriate privileges.	R	C	

The system will be configurable to run such databases as 'covert' databases for general users – not alerting general operators to vehicles that match on those databases, but capable of remotely alerting interested parties with the appropriate privileges via GSM text message or e-mail. Such remote alerts will include VLP, GPS timestamp and the originating system ID.	R	C	
The system shall be capable of sending a J-Peg compressed overview image, via e-mail to a destination configurable by the system administrator, of the originating video source from such a hit within a few seconds as a verification of the remote alert above	R	C	
Systems demonstrating the ability to comply with the above requirements shall complete CHP testing protocols one through five with an efficiency rating of no less than eighty percent on any individual protocol. The testing shall include both daylight testing and testing during hours of darkness.	R	C	
The system shall have an overall efficiency rating of no less than eighty five percent in aggregate upon completion of CHP protocol testing.	R	C	

City of Lincoln/Lancaster County (Lincoln Purchasing)

Supplier Response

Bid Information		Contact Information		Ship to Information	
Bid Creator	Tom Kopplin Asst. Purchasing Agent	Address	Purchasing\City & County 440 S. 8th St. Lincoln, NE 68508	Address	Lincoln Police Dept. 575 S. 10th St. Lincoln, NE 68508
Email		Contact	Tom Kopplin Asst. Purchasing Agent	Contact	
Phone	1 (402) 441-7414			Department	
Fax	1 (402) 441-6513			Building	
Bid Number	09-094			Floor/Room	
Title	Two (2) each Mobile Law Enforcement Automated License Plate Recognition (ALPR) Systems	Department		Telephone	
Bid Type	Bid	Building		Fax	
Issue Date	03/25/2009	Floor/Room		Email	
Close Date	4/8/2009 12:00:00 PM CST	Telephone	1 (402) 441-7414		
Need by Date		Fax	1 (402) 441-6513		
		Email	tkopplin@lincoln.ne.gov		

Supplier Information

Company Federal Signal Corporation
 Address Federal Signal Corporation
 2645 Federal Signal Drive
 University Park, IL 60466

Contact
 Department
 Building
 Floor/Room
 Telephone 708 (534) 3400
 Fax 708 (534) 7035
 Email
 Submitted 4/1/2009 3:20:41 PM CST
 Total \$46,395.00

Signature _____

Supplier Notes

Federal Signal is providing two attachments to this Bid Response.

1. Bid Response Letter.
2. California Highway Patrol Evaluation results.

Bid Notes

If you need assistance in preparing your bid, there are several options.

- 1) Click the the "Help" button in the upper right hand corner of any screen;
- 2) Contact our office for a training session in Purchasing or assistance over the phone;
- 3) View the PowerPoint presentation at <http://www.lincoln.ne.gov/city/finance/purch/spec/veninst.ppt>

Bid Messages

Please review the following and respond where necessary

#	Name	Note	Response
1	Specifications	I acknowledge reading and understanding the Specifications.	Yes
2	Instructions to Bidders	I acknowledge reading and understanding the Instructions to Bidders.	Yes
3	Electronic Signature	Please check here for your electronic signature.	Yes
4	Delivery	State number of delivery days ARO. FOB to the City/County at the location specified with all transportation charges paid.	Five weeks ARO
5	Contact	Name of person submitting this bid:	Mark Bunker

Line Items

#	Qty	UOM	Description	Response
1	2	EA	Mobile Law Enforcement Automated License Plate Recognition (ALPR) Systems as per the specification.	\$22,097.50

Item Notes:

Supplier Notes: Please see the attached Bid Response Letter for Price and Specification clarification.

Response to Bid Specification 1.20.1 - California Highway Patrol Evaluation results attached.

Response to Bid Specification 3.2. See Bid Response Letter.

2	1	EA	Optional three (3) year extended warranty to start after the completion of the one (1) year warranty included with bid.	\$2,200.00
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Item Notes: If chosen, a separate Agreement will have to be submitted for execution.

Supplier Notes: Please see page three of the Bid Response Letter for clarification of Years one, two, and three of Warranty and Maintenance per unit.

Response Total:	\$46,395.00
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Michele R. Selvage

From: Michele R. Selvage [lpd1405@cjis.lincoln.ne.gov]
Sent: Monday, June 08, 2009 3:56 PM
To: 'Tom Kopplin'
Subject: ALPR Bid Spec 09-094

Please award the bid for the ALPR system to Federal Signal. We determined that the system they bid complies to the bid specification to a greater extent than the other bidders, particularly in the following areas:

- 1) Federal Signal integrates with our existing lightbars in a superior manner. The Federal camera system utilizes a low profile camera that mounts to the lightbar and does not obstruct any of the lightbar output. This is not only a safety issue but facilitates installation and future support.
- 2) Database color coding is supported.
- 3) During demonstration drives the Federal system was found to be visibly more accurate than the ELSAG system.

The order with federal needs to specify the low profile camera system, the latest version of SuperRex controller, and with mounting hardware to be integrated with a Federal Signal Arjent lightbar.

ALPR Demo Questions

- Integration with Panasonic Toughbook
 - Detailed description of physical connectivity
- Software maintenance and on-going support
 - Detailed description
 - Options available
- Import of outside data sources such as NCIC and RMS
 - Detailed description
 - Updates to the client
 - Automated scripting
- Installation and Training
 - Detailed description



ELSAG North America Law Enforcement Systems, LLC

April 7, 2009

Mr. Tom Kopplin
Asst. Purchasing Agent
City of Lincoln
440 S. 8th St.
Lincoln, NE 68508

Dear Mr. Kopplin,

In response to Bid 09-094, requirement 1.20.1, we do not have a certified test results. Upon successful bid, ElSag North America will provide a comprehensive customer list for independent verification by Lincoln Police Department.

The following is a list of variations on published specification:

Section 2.5 – Our system supports 4 million plate hotlist and will alarm in *less than one second*.

Section 2.12.1 – Target database is named, not color coded.

Section 2.20 – No ability to mark a read as "mis-read" except on EOC server interface.

Thank you for the opportunity to bid. Our systems are used by over 500 agencies in 33 states in the US. We hope you will be one of them.

Best regards,

Matt Maxwell
Regional Operations Manager
Elsag North America Law Enforcement Systems

City of Lincoln/Lancaster County (Lincoln Purchasing)

Supplier Response

Bid Information		Contact Information		Ship to Information	
Bid Creator	Tom Kopplin Asst. Purchasing Agent	Address	Purchasing\City & County 440 S. 8th St. Lincoln, NE 68508	Address	Lincoln Police Dept. 575 S. 10th St. Lincoln, NE 68508
Email		Contact	Tom Kopplin Asst. Purchasing Agent	Contact	
Phone	1 (402) 441-7414			Department	
Fax	1 (402) 441-6513			Building	
Bid Number	09-094	Department		Floor/Room	
Title	Two (2) each Mobile Law Enforcement Automated License Plate Recognition (ALPR) Systems	Building		Telephone	
Bid Type	Bid	Floor/Room		Fax	
Issue Date	03/25/2009	Telephone	1 (402) 441-7414	Email	
Close Date	4/8/2009 12:00:00 PM CST	Fax	1 (402) 441-6513		
Need by Date		Email	tkopplin@lincoln.ne.gov		

Supplier Information

Company	ELSAG North America, LLC
Address	205H Creek Ridge Rd Greensboro, NC 27406
Contact	Matthew Maxwell
Department	
Building	
Floor/Room	
Telephone	1 (336) 3797135
Fax	1 (336) 3797164
Email	matthew.maxwell@elsagna.com
Submitted	4/7/2009 1:11:37 PM CST
Total	\$45,044.00

Signature _____

Supplier Notes

Bid Notes

If you need assistance in preparing your bid, there are several options.

1) Click the the "Help" button in the upper right hand corner of any screen; 2) Contact our office for a training session in Purchasing or assistance over the phone; 3) View the PowerPoint presentation at <http://www.lincoln.ne.gov/city/finance/purch/spec/veninst.ppt>

Bid Messages

Please review the following and respond where necessary

#	Name	Note	Response
1	Specifications	I acknowledge reading and understanding the Specifications.	Yes
2	Instructions to Bidders	I acknowledge reading and understanding the Instructions to Bidders.	Yes
3	Electronic Signature	Please check here for your electronic signature.	Yes
4	Delivery	State number of delivery days ARO. FOB to the City/County at the location specified with all transportation charges paid.	21
5	Contact	Name of person submitting this bid:	Matthew Maxwell

Line Items

#	Qty	UOM	Description	Response
1	2	EA	Mobile Law Enforcement Automated License Plate Recognition (ALPR) Systems as per the specification.	\$20,950.00
Item Notes:				
Supplier Notes:				
2	1	EA	Optional three (3) year extended warranty to start after the completion of the one (1) year warranty included with bid.	\$3,144.00
Item Notes: If chosen, a separate Agreement will have to be submitted for execution.				
Supplier Notes:				
Response Total:				\$45,044.00

Bid No.	09-094	Organization	Lincoln Purchasing
	Two (2) each Mobile Law Enforcement Automated License Plate Recognition	Bid Creator	Tom Kopplin Asst. Purchasing Agent
Title	If you need assistance in preparation	Email	
Description		Phone	1 (402) 441-7414
Bid Type	Bid	Fax	1 (402) 441-6513
Issue Date	3/25/2009 1:42:30 PM Central		
Close Date	4/8/2009 12:00:00 PM Central		

Responding Suppliers

Name	City	State	Response Submitted	Lines Responded	Response Total
Vigilant Video	Livermore	CA	4/8/2009 1:32:58 AM CST	2	\$22,115.00
ELSAG North America, L	Greensboro	NC	4/7/2009 1:11:38 PM CST	2	\$45,044.00
Federal Signal Corporation	University Park	IL	4/1/2009 3:20:42 PM CST	2	\$46,395.00
PlateScan, Inc.	Newport Beach	CA	4/6/2009 1:49:30 PM CST	2	\$52,007.00

Response Notes

Supplier	Line	Notes
Vigilant Video	Header	Contained within this RFP response are a number of compelling reasons to look more closely upon when selecting your partner for an ALPR solution. It is our hope that the City of Lincoln and its RFP evaluators will find that Vigilant Video possess a number
	1	Please see pricing quote provided in the response section as attachments for any and all pricing.
	2	Please see pricing quote provided in the response section as attachments for any and all pricing.
Federal Signal Corporation	Header	Federal Signal is providing two attachments to this Bid Response.1. Bid Response Letter.2. California Highway Patrol Evaluation results.
	1	Please see the attached Bid Response Letter for Price and Specification clarification.Response to Bid Specification 1.20.1 - California Highway Patrol Evaluation results attached.Response to Bid Specification 3.2. See Bid Response Letter.
	2	Please see page three of the Bid Response Letter for clarification of Years one, two, and three of Warranty and Maintenance per unit.
PlateScan, Inc.	1	PlateScan SYS-3-R with 3 "dual" (IR/color overview)cameras. Includes all hardware and software, including the PS Connect back office data management system license for each vehicle. (Back office software will be installed on an existing server running MS-
	2	Per vehicle. Includes a 10% prepayment discount. Individual year warranty extensions are available at 13.5% of the hardware and software costs(\$2.969).

Bid No. 09-094

Specification Responses				<u>Vigilant Video</u>		<u>ELSAG North America, LLC</u>		<u>Federal Signal Corporation</u>		<u>PlateScan, Inc.</u>	
Line	Description	UOM	QTY	Unit	Extended	Unit	Extended	Unit	Extended	Unit	Extended
1	Mobile Law Enforcement Automated License Plate Recognition (ALPR) Systems as per the specification.	EA	2	\$9,500.00	\$19,000.00	\$20,950.00	\$41,900.00	\$22,097.50	\$44,195.00	\$21,995.00	\$43,990.00
2	Optional three (3) year extended warranty to start after the completion of the one (1) year warranty included with bid.	EA	1	\$3,115.00	\$3,115.00	\$3,144.00	\$3,144.00	\$2,200.00	\$2,200.00	\$8,017.00	\$8,017.00
			Total	\$12,615.00	\$22,115.00	\$24,094.00	\$45,044.00	\$24,297.50	\$46,395.00	\$30,012.00	\$52,007.00

Bid No. 09-094

Specification Responses		Vigilant Video	ELSAG North America, LLC	Federal Signal Corporation	PlateScan, Inc.
Line	Attribute Name	Response	Response	Response	Response
Header	Specifications	Yes	Yes	Yes	Yes
Header	Instructions to Bidders	Yes	Yes	Yes	Yes
Header	Electronic Signature	Yes	Yes	Yes	Yes
Header	Delivery	30	21	Five weeks ARO	45
Header	Contact	Randy Robinson	Matthew Maxwell	Mark Bunker	Bob Pinzler

ELSAG North America, LLC

Header LPD_bid_letter.pdf (1KB)

Header ELSAGNA_Brochure_Online.pdf
(1KB)

Federal Signal Corporation

Header LPD bid addendum - CHP
results.pdf (1KB)

Results of the CHP evaluation, reference 1.20.1 of the written
bid specifications.

Header Bid Response Letter 09-094.pdf
(1KB)

Bid Response Letter (Pricing and Specification clarification)

Vigilant Video

Please find the enclosed document that outlines our LPR solution
pricing. The pricing provided includes a two year hardware
warranty and a one year software warranty. The pricing offered
in the RFP response is outlined and titled as our Site License
model and is comparative to most software industry based
solutions , i.e. much like Microsoft software per seat model.
Included is the Site License agreement for your review.

Header Lincoln Nebraska-ALPR-Site Lic
Price List.pdf (1KB)

Header Lincoln-NE-Executive
Summary.pdf (1KB)

A purchasing scenario that allows the City of Lincoln to purchase
the Vigilant Video LPR systems as a subscribing member of an
elite Site License program. The Site License program includes all
software maintenance, minor and major upgrades, and future
developed software releases including utilities within the
evolving product lines of both Car Detector and LEARN ALPR
system applications. This incorporates an unlimited service of
technical support.

Header Vigilant Video LEA Site License
Agreement.pdf (1KB)

A descriptive view of the cameras deployed with our LPR
solution offered to the City Of Lincoln NE

Header C-series camera.pdf (1KB)

Header VV Extended Warranty Policy -
CDMS Kits.pdf (1KB)

Please find the attached document that describes the Vigilant
Video extended hardware warranty and pricing.

City of Lincoln/Lancaster County (Lincoln Purchasing)

Supplier Response

Bid Information		Contact Information		Ship to Information	
Bid Creator	Tom Kopplin Asst. Purchasing Agent	Address	Purchasing\City & County 440 S. 8th St. Lincoln, NE 68508	Address	Lincoln Police Dept. 575 S. 10th St. Lincoln, NE 68508
Email		Contact	Tom Kopplin Asst. Purchasing Agent	Contact	
Phone	1 (402) 441-7414			Department	
Fax	1 (402) 441-6513			Building	
Bid Number	09-094	Department		Floor/Room	
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Bid Type	Bid	Floor/Room		Fax	
Issue Date	03/25/2009	Telephone	1 (402) 441-7414	Email	
Close Date	4/8/2009 12:00:00 PM CST	Fax	1 (402) 441-6513		
Need by Date		Email	tkopplin@lincoln.ne.gov		

Supplier Information

Company PlateScan, Inc.
 Address 20101 SW Birch St.
 Suite 250
 Newport Beach, CA 92660
 Contact Bob Pinzler
 Department
 Building
 Floor/Room
 Telephone 1 (949) 8511600 19
 Fax 1 (949) 8511930
 Email bpinzler@platescan.com
 Submitted 4/6/2009 1:49:29 PM CST
 Total \$52,007.00

Signature _____

Supplier Notes

Bid Notes

If you need assistance in preparing your bid, there are several options.

1) Click the the "Help" button in the upper right hand corner of any screen; 2) Contact our office for a training session in Purchasing or assistance over the phone; 3) View the PowerPoint presentation at <http://www.lincoln.ne.gov/city/finance/purch/spec/veninst.ppt>

Bid Messages

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2	Instructions to Bidders	I acknowledge reading and understanding the Instructions to Bidders.	Yes
3	Electronic Signature	Please check here for your electronic signature.	Yes
4	Delivery	State number of delivery days ARO, FOB to the City/County at the location specified with all transportation charges paid.	45
5	Contact	Name of person submitting this bid:	Bob Pinzler

Line Items

#	Qty	UOM	Description	Response
1	2	EA	Mobile Law Enforcement Automated License Plate Recognition (ALPR) Systems as per the specification.	\$21,995.00
Item Notes:				
Supplier Notes: PlateScan SYS-3-R with 3 "dual" (IR/color overview)cameras. Includes all hardware and software, including the PS Connect back office data management system license for each vehicle. (Back office software will be installed on an existing server running MS-SQL.) Installation and training is an additional \$2,500 for the first vehicle and \$1,750 for the second.				
2	1	EA	Optional three (3) year extended warranty to start after the completion of the one (1) year warranty included with bid.	\$8,017.00
Item Notes: If chosen, a separate Agreement will have to be submitted for execution.				
Supplier Notes: Per vehicle. Includes a 10% prepayment discount. Individual year warranty extensions are available at 13.5% of the hardware and software costs(\$2,969).				
Response Total:				\$52,007.00

Mobile Law Enforcement Automated License Plate Recognition (ALPR)
System Specifications

1. Hardware Specifications

- 1.1. The System must be comprised of selfilluminating Infrared (IR) cameras for effective license plate image capture in a variety of weather and lighting conditions.
- 1.2. The Infrared (IR) Light Emitting Diodes (LEDs) must be "pulsed" to enhance license plate capture.
- 1.3. The cameras must have a dual lens configuration in a single camera housing featuring both an Infrared (IR) lens for license plate capture and a color overview image of the vehicle.
- 1.4. The integrated color and infrared LPR cameras must not emit any visible light from infrared illuminators.
- 1.5. The System must have a "self trigger mode" to detect the presence of lawfully mounted vehicle license plates in the camera's Field of View (FOV)
- 1.6. The cameras must be capable of producing multiple license plate images with varying Shutter and Gain Settings to ensure a high quality image regardless of weather or lighting conditions.
- 1.7. The cameras must meet PAL Standards for video.
 - 1.7.1 NTSC Standards are not acceptable.
- 1.8. The cameras must be capable of being permanently attached to the vehicle's emergency light-bar in a low profile manner to minimize impact on the light-bar system without drilling multiple holes or violating the integrity of the roof structure.
- 1.9. There must be no moving parts in any of the cameras.
- 1.10. The cameras must have a fixed focal point or target distance from the camera to the vehicle license plates from a minimum of 8 feet to a maximum of 34 feet under a standard camera configuration.
- 1.11. The ALPR Processor must be designed to be trunk mounted or similarly mounted and must incorporate an intelligent Power Supply Unit (PSU) that provides for a safe start and shut – down each time the vehicle's ignition is turned on and turned off.
- 1.12. The ALPR Processor must control the electrical power source supplied to each of the cameras and provide video connection points for simplified System wiring.
- 1.13. The ALPR Processor must have an operating input range of 10.5-16.5V DC at 90W.
- 1.14. The ALPR Processor must be designed to meet the environmental conditions associated with a trunk-mounted unit under various temperature conditions.
- 1.15. The System must provide for the simultaneous display of any two (2) cameras as selected by LPD and configured by the System Administrator.
- 1.16. The System must be capable of capturing license plates in any of the following modes:
 - 1.16.1. an adjacent lane on either side of the police vehicle while driving through traffic and/or parking lots
 - 1.16.2. traffic in an adjacent lane while parked on the side or shoulder of a roadway
 - 1.16.3. any parking application from parallel to perpendicular parked car orientation with respect to the movement of the police vehicle
 - 1.16.4. an adjacent lane to capture the rear license plate of the vehicle as it passes the police unit or vice versa
- 1.17. The camera configuration must be capable of switching from one monitoring mode to another via the software application by merely "pressing" the corresponding On-Screen Function Button.

- 1.18. The System must provide effective license plate capture at night and in reduced light situations and total darkness with no external lighting required.
- 1.19. The System must have the capability to capture a still image of importance at the officer's discretion using the color overview portion of the Camera.
- 1.20. The System must have the capability to capture vehicle license plates at speeds up to 130 mph with license plate capture and read accuracy rates (referred to as "System Efficiency") in excess of 90%.
 - 1.20.1. **Bidder to provide independent test results from at least one North American law enforcement agency verifying your accuracy claim as a response attachment in the response attachments portion of the e-bid.**
- 1.21. When the System is configured to utilize an independent ALPR processor, the ALPR Processor and the cameras must be developed, manufactured and supported by the same vendor.
- 1.22. All camera cabling and camera connectors must be manufactured or assembled by the vendor that provides the ALPR System and all of the required components.
- 1.23. All camera mounting bracket systems must be fabricated specifically for the vendor's cameras and must be furnished by the vendor.
- 1.24. In addition to the camera mounting bracket systems that attach to the vehicle's emergency light-bar, the vendor must also provide a camera-mounting bracket systems that can be installed on those police vehicles commonly referred to as "unmarked units" or those with no roof-mounted light-bar.
- 1.25. In addition to camera mounting bracket systems for marked and unmarked police units, the vendor must also provide a magnetic mount that is made specifically for the cameras.
 - 1.25.1. The Magnetic Mount is designed to be used for temporary deployment of the System.

2. **Software Specifications**

- 2.1. The application software must be capable of supporting multiple "hot list" databases.
- 2.2. The System Administrator must have the capability to define the police department's database/s and assign a color code and priority level to each database to be used when a 'match' or a 'hit' occurs, i.e., stolen vehicles, stolen license plates, sexual predators, armed felon suspects, registered parolees, etc.
- 2.3. The data file transfer must be accomplished by either of the following methods: Ethernet, USB or Wireless
- 2.4. The application software (GUI application) that resides in the police unit must have the capability to provide for a User Name and Password as assigned by the System Administrator.
- 2.5. The application software must be responsive in comparing a captured license plate against multiple and voluminous databases with less than a 1.5 second response to a query of a database/s containing up to 10,000,000 records.
- 2.6. The System must have the feature that allows "hot list" databases to be created in the field by authorized users and the authorized users must have the capability to add license plate data to the system's database/s while in the field.
 - 2.6.1. All license plate data added by the authorized user will remain a part of the selected database until the database is 'overwritten' by the System Administrator or by a new or updated database/s.

- 2.7. The System must provide a "Rules" Feature whereby the System Administrator can define license plate numbers and/or characters that can be interpreted in different variations or "rules".
- 2.8. The vendor must provide variants of the Optical Character Recognition (OCR) Engine that are tailored/designed for a specific State or regional license plate population.
- 2.9. As part of the vendor's system maintenance agreement with LPD, Optical Character Recognition (OCR) updates and/or revisions must be provided as determined by the vendor to address changes in the State's license plate population during the term of the maintenance agreement.
- 2.10. The system must provide all of the following live, simultaneous video display of data for the two (2) cameras as selected by the User:
 - 2.10.1. The IR License Plate Image
 - 2.10.2. The license plate interpretation or system read
 - 2.10.3. A corresponding color overview image of the vehicle displaying the captured IR license plate
 - 2.10.4. The date and time the data was captured by the System
 - 2.10.5. Identification of the Camera capturing the image
 - 2.10.6. The GPS Coordinates for every license plate captured by the System
- 2.11. Even though the System must provide for the simultaneous display of two (2) Cameras as selected by the User, the System must also have the capability to be configured whereby up to all 4 Cameras are operating simultaneously and matching license plate data against the databases.
- 2.12. When the system identifies a "match" or a "hit" of the license plate, the following additional data must be displayed in a timely manner on the system's Hit Screen:
 - 2.12.1. The color coded database indicating the name or title of the database as assigned by the System Administrator where the "match" occurred
 - 2.12.2. All narrative text, if any, from the database where the "match" occurred
- 2.13. The Hit Screen must remain displayed until acknowledged by the officer, and while displayed, the system must continue to process license plate data in the background and all captured data must be stored in the System during this interval without any User intervention.
- 2.14. In the event that a subsequent "match or hit" should occur while the original Hit Screen is displayed to the officer, the System must alert the User that a second or subsequent "hit" occurred and the System is waiting for the (User's) officer's intervention.
- 2.15. The System must provide a touch screen feature to enlarge the vehicle's color overview image so that the User can examine it in order to gain additional information about the overview image or the verification of information.
- 2.16. The System must provide touch screen navigation capability for the police application GUI.
- 2.17. The System must provide LPD with the ability to integrate the GUI application to their existing Laptop Computer, MDT or MDC using Client – Server technology in order to minimize processor usage on their existing MDT or MDC so long as the MDT or MDC will support the Client-Server architecture.
- 2.18. The System must provide the System Administrator with the ability to customize audible alerts to differentiate between unique events within the software application.
- 2.19. The System must provide a visual alert for each defined event that displays in the foreground regardless of other applications in use at that time if the System's Client-Server Architecture is utilized.
- 2.20. The System must provide the officer with the capability to mark a license plate read as a "mis-read."

- 2.21. The System must provide the officer with the capability to manually enter a license plate for the purpose of searching that license plate against the System's database/s.
- 2.22. The System must provide the officer with the capability to review all of the following:
 - 2.22.1. "hits"
 - 2.22.2. license plate images and associated data
 - 2.22.3. license plate searches performed by the officer indicating the date and time the search was conducted
 - 2.22.4. pictures
- 2.23. The System must provide the officer with the ability to query the GUI application in the police vehicle to determine if a particular license plate is currently stored in the System.
 - 2.23.1. If the license plate data is in the System, the officer must have the ability to review each license plate capture and the associated System data displayed on the GUI application Review Screen to include:
 - 2.23.1.1. The IR License Plate Image
 - 2.23.1.2. The corresponding color overview image of the vehicle
 - 2.23.1.3. The date and time the image was captured and
 - 2.23.1.4. The GPS coordinates or the captured data

3. **Administration and Data Mining/Management Specifications**

- 3.1. As part of the overall System and functionality, a customized back – office software application must be provided by the vendor so LPD can manage all the data collected by each individual police unit, manage the database functions, provide reporting data and manage the user administration functions.
- 3.2. **The back office software must be based on Microsoft's Sequel Server database software.**
- 3.3. The System must provide the ability to assign priorities to the various databases utilized by each police agency.
- 3.4. The System must provide the System Administrator with the ability to import national and local databases.
- 3.5. The System must provide application security via a User Name and Password for each User as determined by the System Administrator.
- 3.6. The System must provide the System Administrator with the ability to determine System user access levels based upon user responsibilities.
- 3.7. The System must provide remote web access to stored data for analysis and reporting.
- 3.8. The System must provide the ability to perform a full or partial license plate query against the databases.
- 3.9. The System must provide the ability to query for license plate data based upon time, date, location and the user.
- 3.10. The System must provide the ability to utilize a mapping function to plot or identify the locations of a particular license plate or identify all plates captured in a particular area during a particular time.
- 3.11. The System must provide the ability to utilize a mapping function to plot or identify the location of all "hits."
- 3.12. The System must provide multiple methods for downloading and uploading information between the vehicle and the back – office application including USB, Wireless and Ethernet.
- 3.13. The System must provide a server network environment to facilitate the sharing of data between other police agencies as defined by the System Administrator.

4. General Specifications

- 4.1. All hardware and software provided by the vendor must be covered under a one-year parts and labor warranty at no additional cost to LPD during the first year of service.
 - 4.1.1 If the software requires a separate software license, the license agreement must be attached to the bid in the Response Attachments portion of the e-bid.
- 4.2. The vendor must furnish the cost, as an option, of an extended warranty/maintenance costs for both hardware and software for three (3) years from the completion date of 4.1.
 - 4.2.1 A copy of the extended warranty Agreement must be attached to the bid in the Response Attachments portion of the e-bid.
- 4.3. After issuance of the Purchase Order, all hardware and software must be delivered to the LPD within five (5) weeks.
- 4.4. The successful vendor must provide 16 hours of on-site System training for the System Users and the System Administrator/s as required by LPD at no additional cost to the City.
- 4.5. The successful vendor must provide System installation and/or System installation oversight based upon LPD's requirements at no additional cost to the City.
 - 4.5.1 These requirements may include the mounting location of the ALPR, the computer system LPD has & the data bases they will be using.
 - 4.5.2 This can be completed during the 16 hours of training.
- 4.6. All System documentation must be furnished in electronic format.
- 4.7. As part of their standard product line, the vendor must also provide ALPR cameras and required components for fixed/stationery sites, as well as installation services and training for these types of systems.

5. Standards and Testing Requirements

- 5.1. The System must successfully operate in a temperature range of 20° C to +60° C.
- 5.2. The IR cameras must meet "eye safe" certification standards, as established by an international testing agency.
- 5.3. The IR cameras must be sealed to IP67 Standards.
- 5.4. The system/s will not be paid for until LPD has successfully tested the installed unit/s.

43114 See Memo Enter Req. Non-Warehouse (OR) Branch/Plant . 04009

Order Date . . 03/20/09

Cancel Date. .

G/L Date . . . 03/20/09

Order Number . 10757 OR

Action Code. . A

Supplier . . . 78043 Purchasing (Internal Use)

Ship To. . . 20562 Police - Property

Requested. . . 03/20/09 Account Number

Promised. . . 03/20/09 Subledger. . .

Cost Rule. . .

Amount . . 45,000.00

Skip To Line # . .

**** Enter 'Y' to Record Order

Account Number

Item Number

Quantity

Unit Cost

O

225120.6076

6800110

1

25,000.0000

04009.6076

6800110

1

20,000.0000

F6=Summary F15=PO Header F24=More Keys

Opt: 1=Detail 3=Text 9=Del

3114 See Memo Enter Req. Non-WareHouse (OR) Branch/Plant . 04009
 Order Date . . 03/20/09
 Cancel Date. .
 G/L Date . . . 03/20/09
 Order Number . 10757 OR

Action Code. . A
 Supplier . . . 78043 Purchasing (Internal Use)
 Ship To. . . . 20562 Police - Property
 Requested. . . 03/20/09 Account Number
 Promised. . . 03/20/09 Subledger. . .
 Post Rule. . .

Amount . . 45,000.00
 Skip To Line # . .

**** Enter 'Y' to Record Order Y ****

Account Number	Item Number	Quantity	Unit Cost	O
225120.6076	6800110	1	25,000.0000	
04009.6076	6800110	1	20,000.0000	

F6=Summary F15=PO Header F24=More Keys Opt: 1=Detail 3=Text 9=Del

43114 See Memo Enter Req. Non-WareHouse (OR)

Branch/Plant . 04009
Order Date . . 03/20/09
Cancel Date. .
G/L Date . . . 03/20/09
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Action Code. . A

Supplier . . . 78043 Purchasing (Internal Use)

Ship To. . . . 20562 Police - Property

Requested. . . 03/20/09 Account Number

Promised. . . 03/20/09 Subledger. . . Amount . . 45,000.00

Cost Rul V401 Associated Text Window

Order- 10757 Type- OR Print Before N 0

Accou Please put this out for bid with the specs emailed to you. 0

22 If you have any questions let me know.

0 Thanks.

F3=Exit F6=Copy Text F24=More Keys Opt: 1=Insert 9=Delete

F6=Summary F15=PO Header F24=More Keys Opt: 1=Detail 3=Text 9=Del

43114 See Memo Enter Req. Non-Warehouse (OR) Branch/Plant . 04009
Order Date . . 03/20/09
Cancel Date. .
G/L Date . . . 03/20/09
Order Number . 10757 OR

Action Code. . A
Supplier . . . 78043 Purchasing (Internal Use)
Ship To. . . . 20562 Police - Property
Requested. . . 03/20/09 Account Number
Promised. . . 03/20/09 Subledger. . . Amount . . 45,000.00
Cost Rul V401 Associated Text Window

Order- 10757 Type- OR Line- 1.000 Print Before N O
Accou Mobile Law Enforcement Automated License Plate Recognition 0
22 System 3
0 Per Specifications

F3=Exit F6=Copy Text F24=More Keys Opt: 1=Insert 9=Delete

F6=Summary F15=PO Header F24=More Keys Opt: 1=Detail 3=Text 9=Del

43114 See Memo Enter Req. Non-WareHouse (OR) Branch/Plant . 04009
Order Date . . 03/20/09
Cancel Date. .
G/L Date . . . 03/20/09
Order Number . 10757 OR

Action Code. . A

Supplier . . . 78043 Purchasing (Internal Use)

Ship To. . . . 20562 Police - Property

Requested. . . 03/20/09 Account Number

Promised. . . 03/20/09 Subledger. . . Amount . . 45,000.00

Cost Rul V401 Associated Text Window

Order- 10757 Type- OR Line- 2.000 Print Before N O

Accou Mobile Law Enforcement Automated License Plate Recognition 0

22 System

0 Per Specifications 3

F3=Exit F6=Copy Text F24=More Keys Opt: 1=Insert 9=Delete

F6=Summary F15=PO Header F24=More Keys Opt: 1=Detail 3=Text 9=Del



ELSAG North America
Law Enforcement Systems
MATT MAXWELL
Regional Operations Manager

C: 937.572.9014 | F: 336.379.7164

TF: 866.9.MPH900

412 Clock Tower Commons
Brewster, NY 10509

matthew.maxwell@elsagna.com
www.elsagnorthamerica.com



**PIPS
TECHNOLOGY**

A Federal Signal Company

Larry Pope
Midwest Regional Sales Manager

lpope@pipstechnology.com
mobile 312-972-3170

804 Innovation Drive, Knoxville, TN 37932

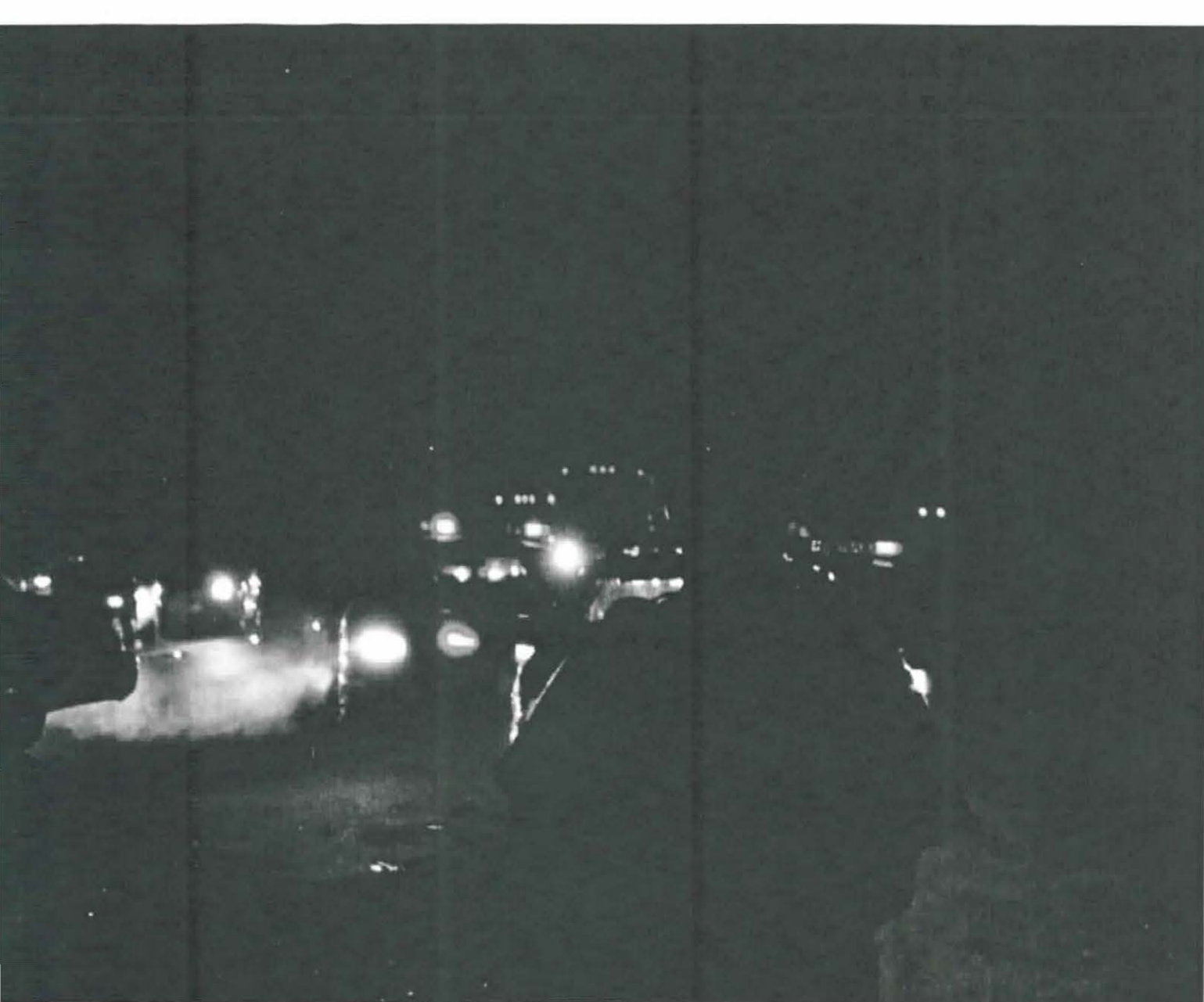


FEDERAL SIGNAL CORPORATION
Emergency Products

Mark Bunker
Senior District Manager

Factory
2645 Federal Signal Drive
University Park, IL 60466
800/832-5908 ext 8007

Office
11713 West 102nd St.
Overland Park, KS 66214
816/551-1111



**Information.
Security.
Confidence.**

Advanced Technologies for Law Enforcement

YOUR MISSION...IS OUR MISSION.

Unprecedented ALPR Technology

Information is Power. With 70% of all crime connected to a vehicle, deploying the MPH-900—the most advanced License Plate Recognition technology available—to assist with a wide range of missions will help your agency realize remarkable successes. The MPH-900 arms Law Enforcement with real time knowledge and post-action criminal intelligence increasing the day-to-day productivity of individual units, and

giving agencies the power to make the difference between life and death in a crisis. This system is proving to be a force multiplier so powerful that its positive impact on the safety and security of our communities is definite and immediate.

- Stolen Vehicle / Amber Alert
- Stolen Tag
- Wanted or Missing Persons
- Suspended Motorist
- Scofflaws



Components of the MPH-900

Progressive infrared cameras, a processing unit and proprietary software allow officers to capture license plate images and instantaneously compare them with millions of Hot List records to identify vehicles of interest.

Cameras

Mobile cameras are mounted to police vehicles. Fixed cameras are mounted to bridges, gates or overpasses.



Processing Unit

40 GB unit capable of wireless data transmission.



Proprietary Command Center Suite Software

Allows Command Centers to network and organize hundreds of fixed and mobile MPH-900 units.



Real-Time Technology

Real-time information greatly increases the odds of resolving issues and in severe situations can be the difference between life and death.

- Captures 1,500 license plate images per minute reading all 50 States, Canada, and Mexico
- Processes parked and moving vehicles across up to 4 lanes of traffic, day or night, in any weather
- 120 MPH closing speeds, 75+ MPH passing speeds
- Alerts officers within milliseconds if a vehicle is suspect



Criminal Intelligence Support

The MPH-900 captures thousands of license plates during a shift. Data recorded for each includes date and time stamp, photo of vehicle and immediate area, and GPS coordinates. After Action Analysis of this data from relevant periods of time can lead to...

- Witness identification
- Placing suspect at a scene
- Pattern recognition
- Watchlist development
- Terrorist interdiction

Officer Safety

When The MPH-900 reads a license plate that matches a Hot List file, officers are alerted immediately. The alert communicates the nature of the crime or infraction associated with the plate so officers understand the risk associated with that interdiction before ever getting out of the car.

Geo-mapping

With GPS coordinates provided by the MPH-900, exact locations of each license plate captured can be determined quickly in situations when every minute counts.

Hot List Updating

Hot Lists are more up to date than ever before. They can be updated manually by officers in the field at any time. They can also be updated by the Command Center and transmitted to field units wirelessly.

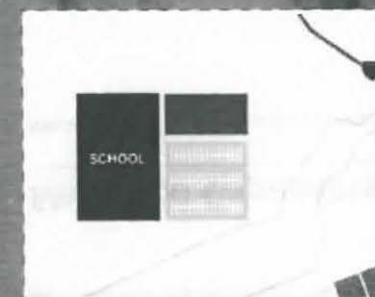
Command Center Suite Software

Command Centers supervise a network of hundreds of fixed and mobile systems so all field units can work together quickly and efficiently.

- Updates to Hot Lists are communicated faster
- Patrol units are more informed and can work in sync
- Tracking and pursuit of suspect vehicles can be carried out with the highest level of strategy, communications and teamwork
- Backup units are deployed more efficiently
- Case open-to-close times are minimized
- Data captured by each MPH-900 system can be downloaded to the Command Center and stored for later review, aiding investigations



Geo-fencing



Let the MPH-900 keep an eye on sensitive areas, such as a school, by creating a virtual barrier around its perimeters. If cars associated with suspect individuals cross the geo-fence, officers will know immediately and can respond appropriately.

geo-fence

Amber Alert Generator

When a partial plate number is all you have, the Amber Alert Generator will create a list of all the possibilities for the complete plate number. This list can be added to a current Hot List, allowing officers to compare new reads against it. If there's a match, the suspect vehicle can be verified as legitimate or false. This capability can mean the difference between life and death. There is an Amber Alert Generator available for every state.

Homeland Security

Homeland Security applications of the Mobile Plate Hunter 900, Fixed Plate Hunter 900 and Command Center Suite software are creating a powerful security force across the country. A combination of patrol car-mounted systems and fixed systems (mounted to bridges, gates and other high traffic areas) can help keep a tight watch on entire cities, ports, borders and other vulnerable areas. Even cargo container identifications can be read from cameras on aircraft 1500 feet in the air. And every camera is capturing critical data such as color photos, date and time stamps, as well as GPS coordinates on every vehicle that passes or is passed by. This information creates an incredible database that can provide a wealth of clues, aiding Criminal Intelligence efforts.

Our technologies are at work across the nation.

Deployments of the MPH-900 are increasing rapidly. Our technologies are being used by state and federal Law Enforcement Agencies all across the country. For information about how to bring the MPH-900 and related products to your agency, call 866.9MPH900. Several procurement contracts are available. For more information about procurement contracts and all ELSAG North America technologies, visit www.elsagna.com.

MPH-900 Capabilities Video

View this brief flash video for a more in-depth understanding of how the MPH-900 works.



**For the latest in exciting ALPR technology,
contact Mark Windover, President.**

ELSAG North America Law Enforcement Systems
412 Clock Tower Commons, Brewster, NY 10509

Phone: 866.9MPH900 or 866.967.4900
Fax: 336.379.7164

info@elsagna.com
www.elsagna.com

THIEVES, MOST WANTEDS AND DRUG DEALERS:

BUSTED

BY ADVANCED LICENSE PLATE READER



LP: QQQ 298
Y/M/M: 2001 Dodge Stratus
Color: Silver
Time: 20:15
Date: 1/19/08
Status: MOST WANTED



In Arizona, the Department of Public Safety is enjoying tremendous success with the Mobile Plate Hunter-900, a highly advanced Automatic License Plate Reader (ALPR). In just 16 months, one diligent officer read over a million license plates, made 100 arrests, recovered 157 vehicles, found 5 wanted persons, recovered \$80,000 in cash and removed 5 pounds of Meth from the streets. One officer. One MPH-900 reader. For criminals connected to a license plate, the streets of Arizona are no safe place to be.

Let the MPH-900 License Plate Reader aid your public safety missions by watching when you can't and suspecting what you don't. With superior algorithm technology, no other system comes close to its ease of deployment, capabilities, and accuracy.

MPH900
Mobile Plate Hunter 900 System

YOUR VISION. OUR TECHNOLOGY.

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THE MPH-900® READS PLATES FROM ALL 50 STATES, DAY OR NIGHT



**Hundreds of agencies
across North America
use the MPH-900® for a
variety of missions**

- Highway and traffic safety
- Homeland Security initiatives
- Recovery of stolen vehicles and license plates
- AMBER Alerts and missions related to missing and exploited children
- Safe school initiatives such as perimeter security and school bus safety
- Development and maintenance of Hot Lists
- Drug interdiction
- Gang and racketeering interdiction
- Collection of delinquent taxes, fines, and fees
- Securing restricted areas through access control, monitoring, and enforcement

**The MPH-900® is the most advanced Automatic License Plate Reader available.
With superior algorithm technology, no other system comes close
to its ease of deployment, capabilities, and accuracy.**

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HOMICIDE SUSPECT'S ALIBI:

CRACKED

BY ADVANCED LICENSE PLATE READER



LP: QOD 860Q
Y/M/M: 1988 Buick LeSabre
Color: White
Time: 19:43
Date: 1/16/07
Status: MOST WANTED



The night of January 16, 2007, a family of five was murdered in their home in Fishkill, NY. Thanks to the New York State Troopers field deployment of the Mobile Plate Hunter-900—a highly advanced automatic license plate reader (ALPR)—officers were able to produce a 100% accurate read of a murder suspect's license plate, as well as a photograph of his car. This information, along with date and time stamps also collected by the MPH-900, assisted in placing the suspect near the crime scene right after the crime was committed. Alibi contradicted. Suspect convicted.

Let the MPH-900 License Plate Reader aid your public safety missions. With superior algorithm technology, no other system comes close to its ease of deployment, capabilities, and accuracy.

MPH900
Mobile Plate Hunter 900 Series

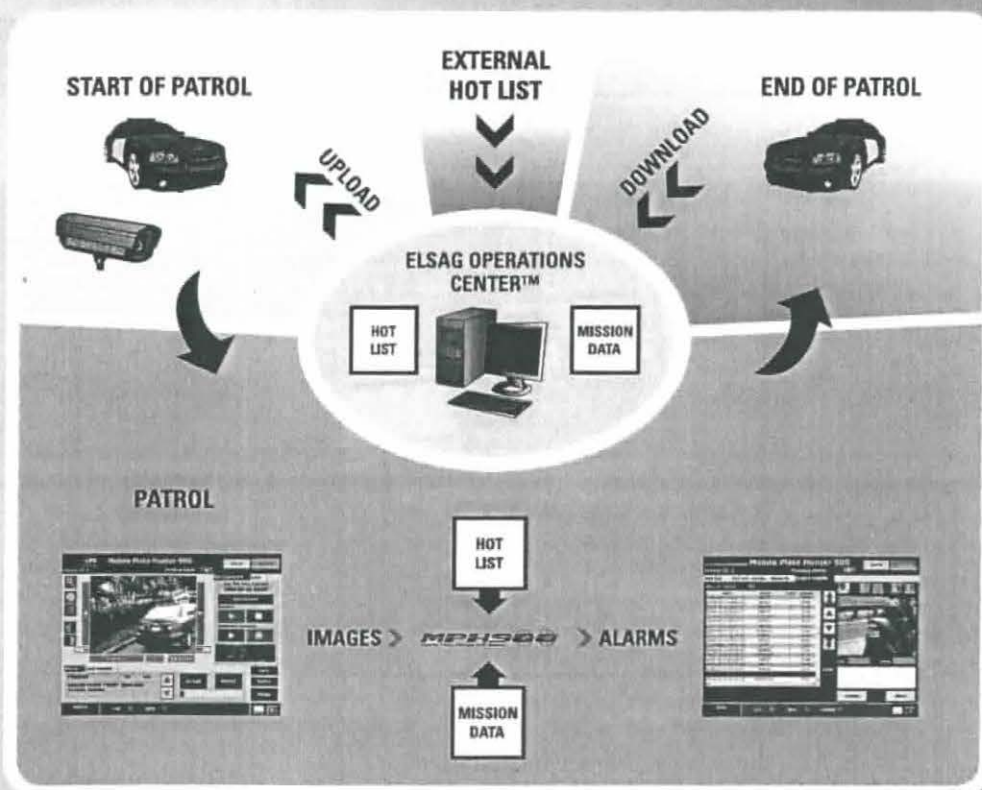
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THE ELSAG OPERATIONS CENTER™ COLLECTS, ANALYZES, AND MANAGES ALL YOUR LPR DATA

Your agency's LPR units collect vast amounts of data that help resolve issues in real time, as well as provide critical intelligence to aid investigations. The ELSAG Operations Center™ is the brain that manages all of these intelligence assets. It runs automatically without user intervention.



Features of the ELSAG Operations Center™

- Communicates with all cars, cameras, and tactical operations desks in your domain.
- Collects, analyzes, and manages data automatically, dramatically reducing clerical tasks.
- Performs intelligence analysis for ALPR based activities in your domain.
- Monitors the "state of health" of all units ensuring that each is current with up-to-date information.
- Allows you to close more cases faster with at-your-fingertips data and intelligence.
- Prevents loss or corruption of data.

ELSAG™

OPERATIONS CENTER

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KIDNAPPED JUVENILES **RECOVERED**

BY ADVANCED LICENSE PLATE READER



LP: DQO 4592
Y/M/M: 2003 Chevrolet S10
Color: Black
Time: 21:38
Date: 10/12/06
Status: MOST WANTED



At 9:30 pm on 10/12/06 in Atlanta, three juvenile girls were found unharmed in a stolen truck driven by a convicted sex offender and a murder suspect. Thanks to the lightning quick reflexes of Officer Hedley, the Mobile Plate Hunter-900—a highly advanced Automatic License Plate Reader (ALPR)—was able to support a capture. The MPH-900 read the truck's license plate and immediately alerted Hedley he had just passed a stolen vehicle. Not a suspicious vehicle, but a seemingly normal one being driven safely in a residential area. The MPH-900 knew better. "The MPH-900 tag reader sees when I can't and I believe those girls are alive today because of it," said Hedley.

Let the MPH-900 License Plate Reader aid your public safety missions. With superior algorithm technology, no other system comes close to its ease of deployment, capabilities, and accuracy.

MPH900
Mobile Plate Hunter 900 Series

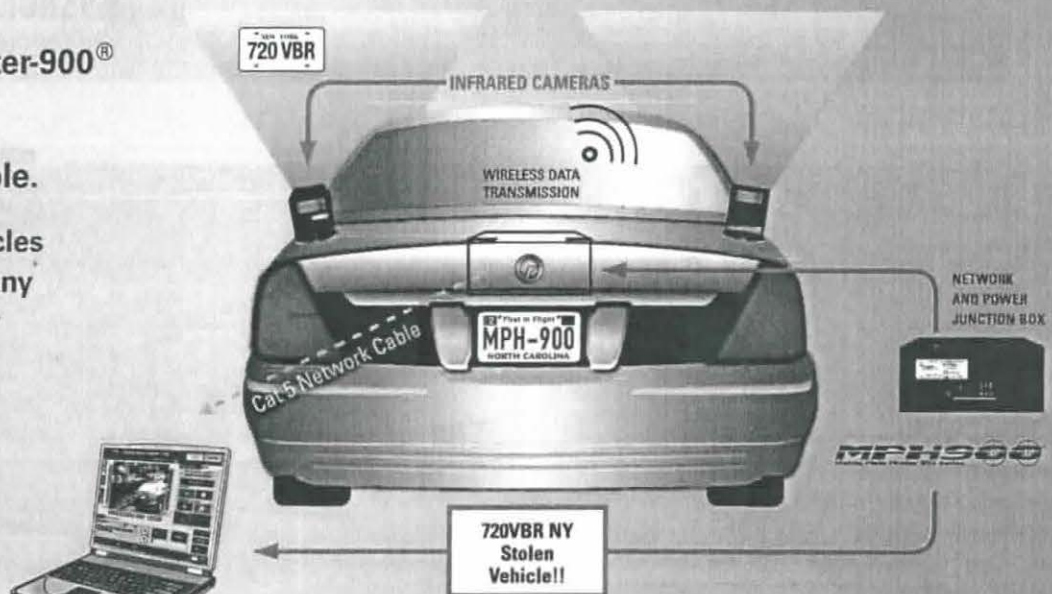
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MPH-900[®] AUTOMATIC LICENSE PLATE READER

The Mobile Plate Hunter-900[®]
is the most accurate
Automatic LPR available.

- Identifies suspect vehicles more accurately than any other ALPR technology
- Keeps officers safer than any other ALPR technology
- Gathers and manages intelligence more dynamically than any other ALPR technology



- Captures up to 3,600 reads per minute, day or night
- Processes parked and moving vehicles across 4 lanes of traffic
- Captures plates at up to 120 mph closing speeds and 75+ passing speeds
- Recognizes plates from all 50 states, Canada, and Mexico
- Finds suspect vehicles within milliseconds of passing them
- Alerts officers immediately if a vehicle is suspect, indicating the nature of the offense
- Identifies suspended and revoked drivers before they cause a crash
- Captures intelligence data that aids in: *witness identification, watch list development, placing suspect at a scene, terrorist interdiction, pattern recognition*
- Enhances effectiveness of AMBER Alerts
- Secures sensitive areas with Geo-fencing
- Increases revenues by collecting delinquent taxes, fees, and fines
- Offers White List capabilities to help secure restricted areas through access control, monitoring, and enforcement

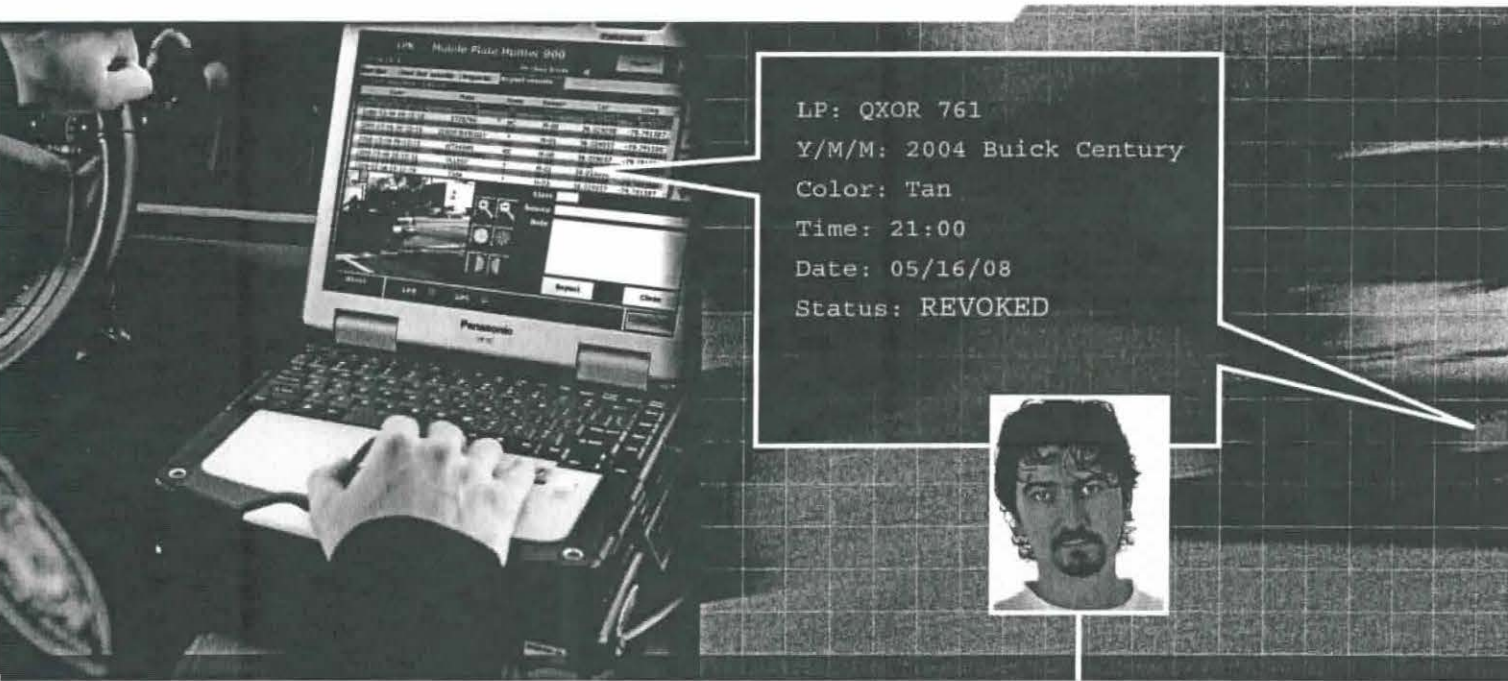
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CRASHES CAUSED BY
SUSPENDED & REVOKED DRIVERS:

PREVENTED
BY ADVANCED LICENSE PLATE READER



We're all familiar with the headlines: *Man with suspended license kills family of five. Woman with 3 DUI convictions kills teen in hit and run.* Thousands of offenders habitually drive with a suspended or revoked license, causing death and destruction to others on our roads and highways.

With the Mobile Plate Hunter-900—the most accurate automatic license plate recognition technology available—you can identify suspended and revoked drivers on the streets and stop them right in their tracks, before they cause a crash. The MPH-900 pays attention to prevention.

Let the MPH-900 License Plate Reader aid your public safety missions. With superior algorithm technology, no other system comes close to its ease of deployment, capabilities, and accuracy.

MPH900
Mobile Plate Hunter 900 System

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THE MPH-900[®] AUTOMATIC LPR SYSTEM STOPS SUSPENDED & REVOKED DRIVERS BEFORE THEY CAUSE A CRASH



Forty-six percent of drivers involved in fatal crashes who have previous suspensions and/or revocations were driving without a valid license.*

**The Mobile Plate
Hunter-900[®]
dramatically increases
the number of suspended
and revoked drivers
removed from the road**

- Proactively—and without officer assistance—hunts for license plates belonging to suspended/revoked drivers, and vehicles designated as being equipped with an Ignition Interlock Device.
- Instantly recognizes those vehicles and alerts officers instantaneously so interdiction can take place immediately.
- Multiplies the force and effectiveness of every officer looking for suspended drivers.

Let the MPH-900[®] Automatic License Plate Reader aid your public safety missions.
With superior algorithm technology, no other ALPR system comes close
to its ease of deployment, capabilities, and accuracy.

YOUR MISSION...IS OUR MISSION.

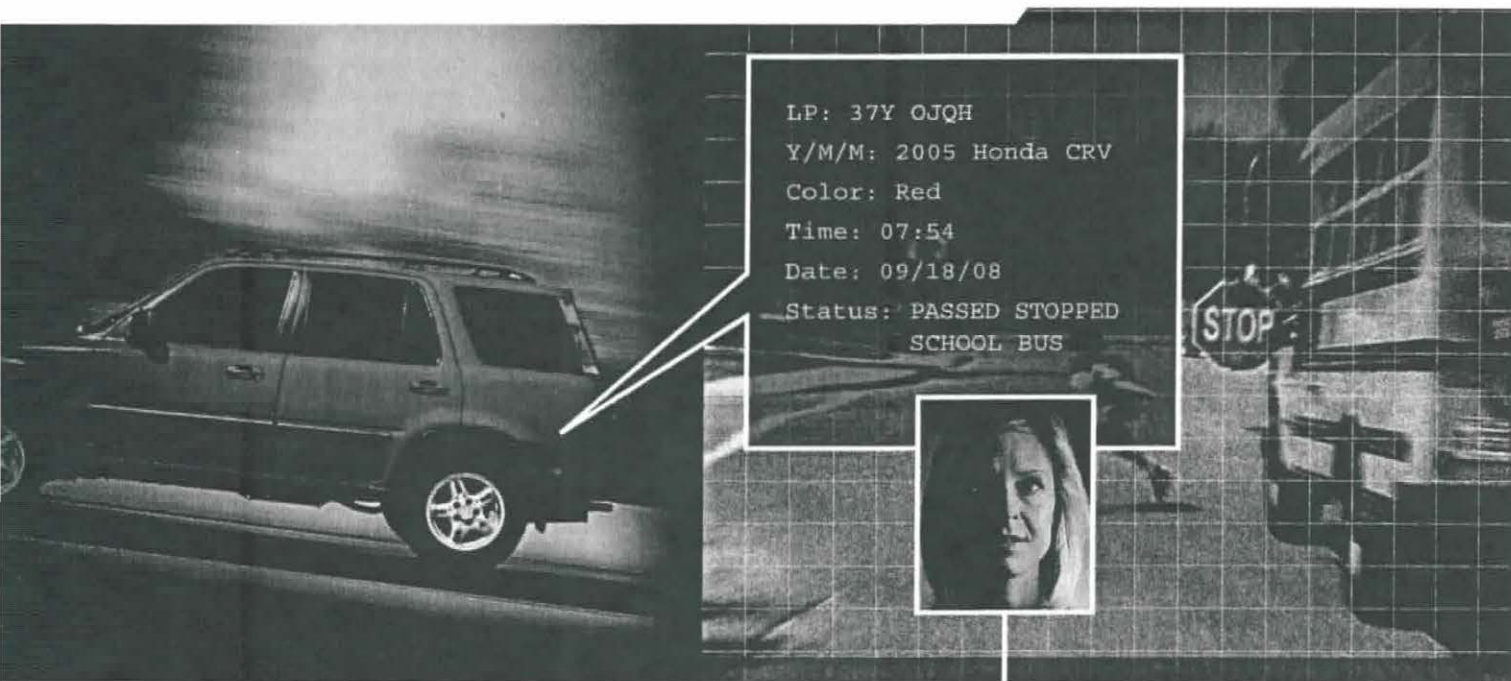
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SCHOOL BUS CHILDREN:

SAFER

WITH ADVANCED LICENSE PLATE READER



LP: 37Y OJQH

Y/M/M: 2005 Honda CRV

Color: Red

Time: 07:54

Date: 09/18/08

Status: PASSED STOPPED
SCHOOL BUS



An average of 27 children die each year in the US as a result of drivers illegally passing a stopped school bus. In Syracuse, NY, the Mobile Plate Hunter-900®—the most accurate Automatic License Plate Reader available—is helping to enforce accountability on those drivers. Mounted to the bus exterior, The MPH-900 takes a photo of the passing vehicle's license plate and also captures date & time stamps and GPS coordinates of the incident. Nothing is required of the bus driver and all law enforcement has to do is follow up. Finally. Proof that allows officers to charge drivers who pass stopped school buses. Proof that discourages others from endangering school children.

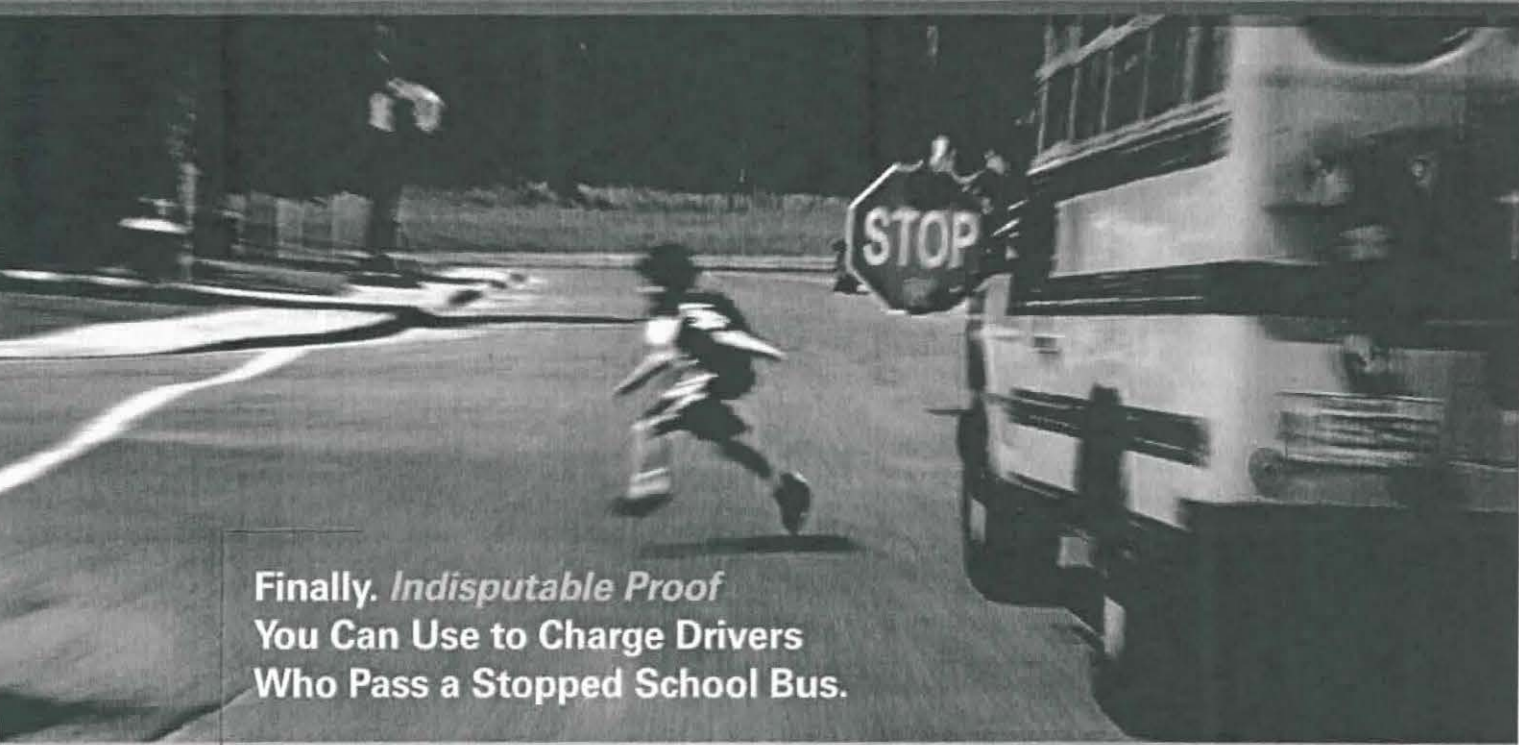
Let the MPH-900 Automatic License Plate Reader aid your public safety missions. With superior algorithm technology, no other system comes close to its ease of deployment, capabilities and accuracy.

MPH900
Mobile Plate Hunter 900

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THE MPH-900® AUTOMATIC LPR SYSTEM KEEPS SCHOOL BUS CHILDREN SAFER



**Finally. *Indisputable Proof*
You Can Use to Charge Drivers
Who Pass a Stopped School Bus.**

Irresponsible drivers who illegally pass stopped school buses cause countless accidents and injuries and kill an average of 27 children each year in this country.* It's a public safety concern of the worst kind and until now, it has been hard for you to enforce penalties.

The Mobile Plate Hunter-900®—the most accurate, most deployed Automatic License Plate Reader available—can provide the proof you need to enforce accountability on drivers who illegally pass school bus stop-arms. The MPH-900® takes a photo of the passing vehicle's license plate and also captures date & time stamps and GPS coordinates related to the incident.

The MPH-900® Solution for School Bus Safety

- One camera system with software, mounted on the exterior of the bus
- Bus driver does not have to do anything to operate the system
- Downloadable results aid law enforcement follow-up action

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ELSAG NORTH AMERICA: DEVELOPERS OF THE MPH-900® AUTOMATIC LICENSE PLATE READER



Fact Sheet

1 Contact Information:

ELSAG North America, LLC
412 Clock Tower Commons, Brewster, NY 10509
Telephone: 845.278.5425

- Mark Windover, President & CEO
- Nate Maloney, Director of Marketing & Communication

2 ELSAG North America is owned by ELSAG-Datamat, SPA, a Finmeccanica company, and was formed in 2004 as Remington ELSAG Law Enforcement Systems, a joint venture between Remington Arms and ELSAG Datamat. The company's purpose was to focus on the development and North American distribution of proprietary license plate recognition technology.

3 In October 2007, Remington ELSAG Law Enforcement Systems was wholly purchased by Finmeccanica, a global leader in defense and security solutions. The new name is ELSAG North America Law Enforcement Systems.

4 ELSAG North America's goal is to support law enforcement in their missions of public safety and homeland security with License Plate Recognition capabilities and other related technologies aimed at advancing and expanding those missions.

5 ELSAG is marketing its proprietary License Plate Recognition technology in the US under the brand name Mobile Plate Hunter-900® (MPH-900®).

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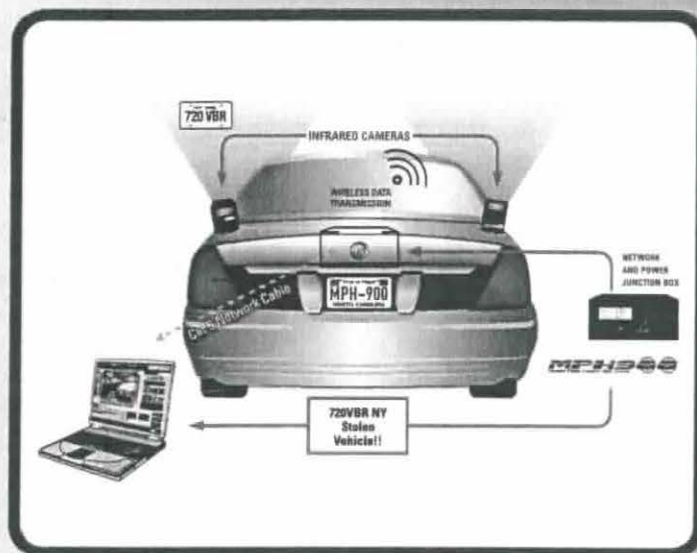
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ELSAG NORTH AMERICA: DEVELOPERS OF THE MPH-900® AUTOMATIC LICENSE PLATE READER

Fact Sheet (Continued)

- 6** The MPH-900® has an installed user base of over 1,000 successful deployments across more than 500 agencies in 34 states throughout North America.
- 7** The Mobile Plate Hunter-900 system is made up of progressive infrared cameras, a processing unit and proprietary software, which allows officers to capture license plate images and instantaneously compare them with millions of "hot list" records to identify vehicles of interest on the spot.
- 8** The MPH-900 can be mobile or fixed. For mobile systems, cameras are mounted to police vehicles while cameras for fixed systems are mounted to gates, bridges, overpasses or other structures.
- 9** Proprietary Operations Center software allows command centers to supervise a network of hundreds of fixed and mobile systems so all field units can work together with increased efficiency and effectiveness.
- 10** The MPH-900 significantly increases officer safety by eliminating the guesswork associated with suspect vehicle identification and interdiction. When the MPH-900 matches a license plate to an entry on a "hot list," it indicates the nature of the crime or infraction associated with that specific suspect vehicle. This allows officers to prepare for safe interdiction before approaching the suspect vehicle.
- 11** The information gathered by the MPH-900 (color image of license plate and back of car, date and time stamps, GPS coordinates) can also be stored for analysis at any time. Reviewing data for relevant periods of time can help lead to witness identification, hot list development, pattern recognition, and terrorist interdiction.



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GET THE MOST ADVANCED AUTOMATIC LICENSE PLATE READER TECHNOLOGY AVAILABLE



The MPH-900® Is Critical To Many Law Enforcement Missions Today

ELSAG North America launched its Automatic License Plate Reader, the Mobile Plate Hunter-900® (MPH-900®), in the U.S. five years ago. It is already deployed in over five hundred agencies across the country. The dependable and accurate information provided by the MPH-900, in addition to ELSAG's 24/7 commitment to customer support have made it the preferred LPR technology in America.

No other system comes close to its ease of deployment, capabilities, and accuracy.

With 70% of all criminal activity in the U.S. involving a vehicle, and with an estimated 40 million license privileges revoked, suspended or denied, the MPH-900's automatic license plate reading capabilities are critical to addressing a variety of missions.

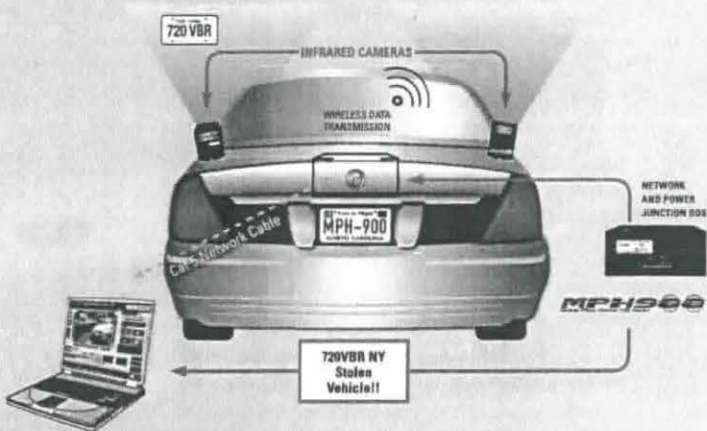
- Highway and traffic safety
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- Recovery of stolen vehicles and license plates
- AMBER Alerts and missions related to missing and exploited children
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- Drug interdiction
- Gang and racketeering interdiction
- Collection of delinquent taxes, fines, and fees
- Securing restricted areas through access control, monitoring, and enforcement

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HOW THE MPH-900® WORKS



The MPH-900® Camera Range And Performance

- The ELSAG Mobile Plate Hunter—MPH-900 Operates at up to 120 MPH passing and closing speeds
- Works day or night, in any kind of weather
- Only LPR that reads plates from all 50 states including flat and red character plates
- Performs ambiguous searches to improve accuracy
- Alerts within milliseconds if a vehicle is suspect
- Features multi-level alarms for prioritization—Wants, Warrants, Amber Alerts, etc.
- Can be configured with a variety of different camera ranges
- Can be configured to remotely alarm to an email recipient
- Can operate with data from different sources and be updated on the fly

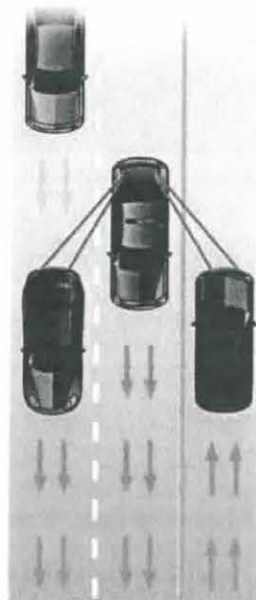
The MPH-900® In Action

Automatic License plate recognition cameras are attached magnetically to the body of the patrol car.

- 1 Officers on highways, using cameras to scan plates of passing cars.

- Cameras can read plates from fast-moving vehicles.
- Locations and times of captured plates are stored.

Cameras can also scan in parking lots.



- 2 An infrared camera captures images of the plate.
- 3 A computer reads the plate characters and compares them with crime databases.



Database
Y01-N010
000-01T8
P93-F6L4
400-591T

Officers are alerted of a match.

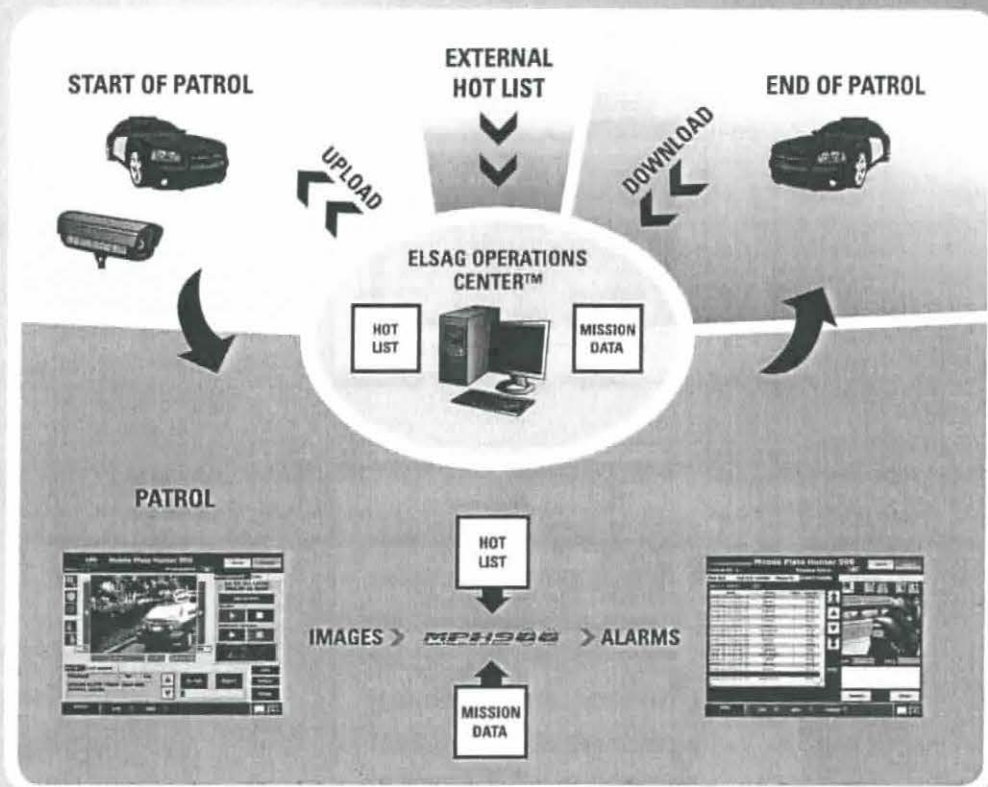
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- Performs intelligence analysis for ALPR based activities in your domain.
- Monitors the "state of health" of all units ensuring that each is current with up-to-date information.
- Allows you to close more cases faster with at-your-fingertips data and intelligence.
- Prevents loss or corruption of data.

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The ELSAG Operations Center's intuitive interface requires little training. Easy to use screens provide a simple way to perform analysis.



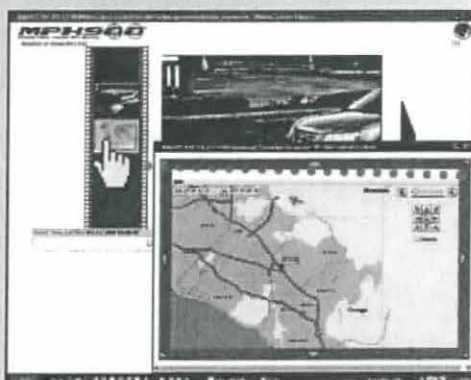
Point-and-click makes searching easy.

Simply place the cursor over the area that you want to search and click.



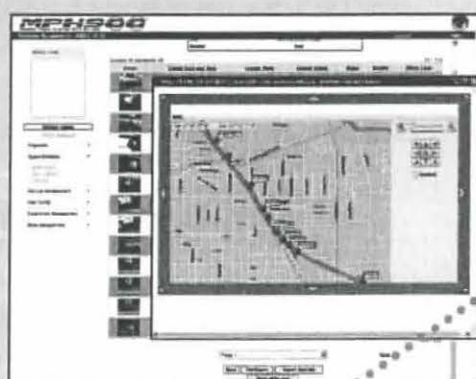
Thumbnail photos allow quick determination of vehicle of interest.

Positioning the mouse over the thumbnail picture instantly creates a larger picture.



Integrated mapping shows vehicle position.

Clicking on the map icon displays the location of the read on a map.



Instantly map all of the plates that you searched for.

Clicking on "Show all on map" displays all of your searches on a map—to help you determine if these vehicles were in the area under investigation.