



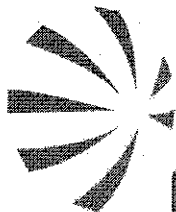
ELSAGNorthAmerica
A Finmeccanica Company



FORT LAUDERDALE POLICE DEPARTMENT

RFP #243-11315

TITLE: Provide and Install License Plate Recognition System.



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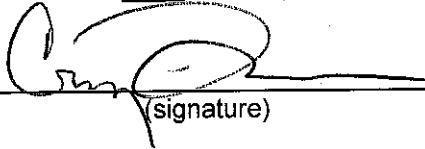


BID/PROPOSAL SIGNATURE PAGE

How to submit bids/proposals: Proposals must be submitted by hard copy only. It will be the sole responsibility of the Bidder to ensure that the bid reaches the City of Fort Lauderdale, City Hall, Procurement Services Division, Suite 619, 100 N. Andrews Avenue, Fort Lauderdale, FL 33301, prior to the bid opening date and time listed. Bids/proposals submitted by fax or email will NOT be accepted.

The below signed hereby agrees to furnish the following article(s) or services at the price(s) and terms stated subject to all instructions, conditions, specifications addenda, legal advertisement, and conditions contained in the bid. I have read all attachments including the specifications and fully understand what is required. By submitting this signed proposal I will accept a contract if approved by the CITY and such acceptance covers all terms, conditions, and specifications of this bid/proposal.

Please Note: All fields below **must** be completed. If the field does not apply to you, please note N/A in that field.

Submitted by:  11/20/2013 _____
(signature) (date)

Name (printed Craig Duncan Title: Southern Field Operations Manager

Company: (Legal Registration) ELSAG North America

CONTRACTOR, IF FOREIGN CORPORATION, MAY BE REQUIRED TO OBTAIN A CERTIFICATE OF AUTHORITY FROM THE DEPARTMENT OF STATE, IN ACCORDANCE WITH FLORIDA STATUTE §607.1501 (visit <http://www.dos.state.fl.us/>).

Address: 205-H Creek Ridge Road

City Greensboro State: NC Zip 27406

Telephone N (910)986-0596 FAX No. (336)379-7164 Email: Craig.Duncan@ELSAG.com

Delivery: Calendar days after receipt of Purchase Order (section 1.02 of General Conditions): 30-45

Payment Terms (section 1.04): Net 45 Total Bid Discount (section 1.05): _____

Does your firm qualify for MBE or WBE status (section 1.09): MBE NO WBE NO

ADDENDUM ACKNOWLEDGEMENT - Proposer acknowledges that the following addenda have been received and are included in the proposal:

Addendum No. Date Issued

P-CARDS: Will your firm accept the City's Credit Card as payment for goods/services?

YES X NO _____

VARIANCES: State any variations to specifications, terms and conditions in the space provided below or reference in the space provided below all variances contained on other pages of bid, attachments or bid pages. No variations or exceptions by the Proposer will be deemed to be part of the bid submitted unless such variation or exception is listed and contained within the bid documents and referenced in the space provided below. If no statement is contained in the below space, it is hereby implied that your bid/proposal complies with the full scope of this solicitation. **HAVE YOU STATED ANY VARIANCES OR EXCEPTIONS BELOW? BIDDER MUST CLICK THE EXCEPTION LINK IF ANY VARIATION OR EXCEPTION IS TAKEN TO THE SPECIFICATIONS, TERMS AND CONDITIONS.** If this section does not apply to your bid, simply mark N/A in the section below.

Variations:

RFP NO.

TITLE:

LOCAL BUSINESS PREFERENCE CERTIFICATION STATEMENT

The Business identified below certifies that it qualifies for the local BUSINESS preference classification as indicated herein, and further certifies and agrees that it will re-affirm it's local preference classification annually no later than thirty (30) calendar days prior to the anniversary of the date of a contract awarded pursuant to this RFP. Violation of the foregoing provision may result in contract termination.

is a **Class A** Business as defined in City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. A copy of the City of Fort Lauderdale current year Business Tax Receipt **and** a complete list of full-time employees and their addresses shall be provided within 10 calendar days of a formal request by the City.

(1) _____
Business Name

is a **Class B** Business as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. A copy of the Business Tax Receipt **or** a complete list of full-time employees and their addresses shall be provided within 10 calendar days of a formal request by the City.

(2) _____
Business Name

STROBES 'R' US

is a **Class C** Business as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. A copy of the Broward County Business Tax Receipt shall be provided within 10 calendar days of a formal request by the City.

(3) _____
Business Name

requests a **Conditional Class A** classification as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. Written certification of intent shall be provided within 10 calendar days of a formal request by the City.

(4) _____
Business Name

requests a **Conditional Class B** classification as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. Written certification of intent shall be provided within 10 calendar days of a formal request by the City.

(5) _____
Business Name

**ELSAG NA
Morganeill & Associates**

is considered a **Class D** Business as defined in the City of Fort Lauderdale Ordinance No. C-12-04, Sec.2-199.2. and does not qualify for Local Preference consideration.

(6) _____
Business Name

PROPOSER'S COMPANY: _____ ELSAG North America _____

AUTHORIZED COMPANY PERSON: _____ Craig Duncan _____ 11/21/2013 _____
NAME SIGNATURE DATE

ATTACHMENT 'A'

E-VERIFY AFFIRMATION STATEMENT

RFP/Bid /Contract No: RFP #243-11315

Project Description: **Provide and Install License Plate Recognition System**

Contractor/Proposer/Bidder acknowledges and agrees to utilize the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of,

- (a) all persons employed by Contractor/Proposer/Bidder to perform employment duties within Florida during the term of the Contract, and,
- (b) all persons (including subcontractors/vendors) assigned by Contractor/Proposer/Bidder to perform work pursuant to the Contract.

The Contractor/Proposer/Bidder acknowledges and agrees that use of the U.S. Department of Homeland Security's E-Verify System during the term of the Contract is a condition of the Contract.

Contractor/Proposer/ Bidder Company Name: ELSAG North America

Authorized Company Person's Signature:  _____

Authorized Company Person's Title: Southern Regional Field Operations Manager

Date: 11/20/2013

NON-COLLUSION STATEMENT:

By signing this offer, the vendor/contractor certifies that this offer is made independently and *free* from collusion. Vendor shall disclose below any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement.

Any City of Fort Lauderdale, FL officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement.

For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,

3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g. ownership of five (5) percent or more).

3.4. Immediate family members (spouse, parents and children) are also prohibited from contracting with the City subject to the same general rules.

Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City Procurement Code.

NAME

RELATIONSHIPS

N/A

In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.



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LETTER OF INTEREST

ELSAG North America, LLC Law Enforcement Systems (ELSAG NA)—based in Brewster, NY with manufacturing facilities in Greensboro, North Carolina(205-H Creek Ridge Road) provides state-of-the-art Digital License Plate Recognition systems to Federal, State, and local law enforcement agencies. In August 2004, Remington Arms and Finmeccanica, Italy's largest defense contractor formed a joint venture to foster license plate recognition technology use among US law enforcement agencies. ELSAG launched its Automatic License Plate Reader, the Mobile Plate Hunter-900® (MPH-900®), and eight years later has deployed over 7,500 cameras in more than 1,200 agencies and ELSAG has become a fully owned subsidiary of Finmeccanica. ELSAG works with Morganelli & Associates as our Florida based representative out of DeLand Florida for support and sales service.

ELSAG is the only LPR Company to date to have systems operational in all 50 states for day and night use. This is in addition to more than 6,000 LPR systems deployed through Europe, Mexico, Canada and Malaysia. 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. No other system comes close to its ease of deployment, capabilities, and accuracy. ELSAG LPR solutions feature an all-digital platform with high-resolution infrared cameras and superior optical character recognition software capable of capturing and reading over 900 license plates per minute day or night, in all types of weather, including plates which lack carbon black ink. The Mobile Plate Hunter performs ambiguous searches to improve accuracy and alerts within milliseconds if a vehicle is suspect. The system features multi-level alarms for prioritization of Wants, Warrants, Amber Alerts, and other criminal activity. The systems flexibility allows for it to be configured with a variety of different camera ranges. ELSAG's LPR system can also be set up to remotely alarm to an email recipient via a PDA or remote situational awareness software. Smartphone applications are available as well.

ELSAG has worked with clients to develop LPR solutions specific to their mission. From LPR cameras concealed in an ordinary orange traffic barrel or Thule luggage carrier to the sophisticated Deployable Command Trailer which is equipped for traffic stops, border crossings, and other specialized deployments, ELSAG continually strives to meet all expectations from their law enforcement partners.

ELSAG LPR equipment is currently deployed at the some of the United States' finest law enforcement agencies, including the New York City Police Department, Washington D.C. Metro Police Department, the DEA, the FBI, and the Secret Service. In addition, ELSAG LPR equipment has been deployed at 22 State police agencies, including those in Arizona, Colorado, Georgia, Kentucky, Maryland, Nebraska, New York, Ohio, and Virginia.



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ELSAG NA is a fully owned subsidiary of Finmeccanica SpA. FNM is the main Italian industrial group operating globally in the aerospace, defense and security sectors, and is one of the world's leading groups in the fields of helicopters and defense electronics. It is also the European leader for satellite and space services as well as having considerable know-how and production capacity in the energy and transport fields.

Technology and innovation are the keystones of Finmeccanica's success and competitive edge. For this reason, the Group invests 18.09 billion euros a year in R&D activities (representing 14% of revenues), making Finmeccanica the leading Italian investor in hi-tech sectors. As far as the core business is concerned, investments amount to 20% of turnover - a percentage that is higher than some of its main competitors.

ELSAG North America Key Projects:

#1 United States Custom and Border Protection

Population: N/A Implementation Date: April 2010 to present

Duration: Five Years

Products: MPH-900 and FPH-900

In April 2010, The United States Custom and Border Protection Agency, announced ELSAGNA and partner DRS Defense Solutions would be awarded a fixed price, indefinite-delivery indefinite-quantity contract worth up to \$100 million to enhance and expand the agency's license plate reader (LPR) program. ELSAG will provide program management, site preparation, hardware, software, engineering, manufacturing, installation, logistics, training, support and maintenance for up to five years at 289 ports of entry.

#2 Lower Manhattan Security Initiative (LMSI)

Population: 8.3 million Implementation Date: May 2008

Duration: Major installation was completed in 12 months, ELASG continues to manage and add systems as required by LMSI

Products: MPH-900 and FPH-900

The New York City Police Department (NYPD) Lower Manhattan Security Initiative (LMSI) is a city-wide security program intended to increase surveillance and security in New York City (NYC) funded by the Department of Homeland Security (DHS). The LMSI is based on integration of counterterrorism technologies, including closed circuit televisions (CCTVs); chemical, biological, radiological, and nuclear detectors; street barriers; and license plate readers (LPRs). ELSAGNA was chosen to develop a large-scale LPR system, including mobile and fixed LPRs, which was integrated into the current NYPD's Information infrastructure. ELSAGNA worked closely with the NYPD and the associate contractors to ensure that multiple independent solutions work seamlessly and simultaneously within a single management and control infrastructure.



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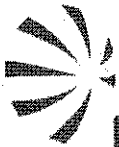
#3 National Capital Region Project

Population: 6 million Implementation Date: October 2010

Duration: Major installation was completed in 6 months, ELASG continues to manage and add systems as required by NCR

Products: MPH-900 and FPH-900

An initiative of the US Department of Homeland Security, the National Capital Region Project is a 31 agency multi-jurisdictional security project surrounding the nation's Capital.



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STATEMENT OF PROPOSED SERVICES

SCOPE OF WORK:

ELSAG is prepared to deploy a fully digital ALPR solution for Fort Lauderdale Police Department that will be completely flexible and scalable for integration with additional mobile, fixed, and covert ALPR technology. In the mean time, allowing complete top down auditable management of CJIS secure user and user group access on the back end server application. This solution allows for autonomous use or the ability to share data with other agencies as determined by FLPD, the host agency. ELSAG is the only vendor that can offer a direct connect to the DEA's DART server that can be queried through DICE as well.

Being the leader in ALPR technology, the only manufacturer to actually produce its hardware and software in the United States, ELSAG is strongly situated to develop, deploy and support its products in the field in conjunction with its in house 24/7 Remote Tech Support and its local partners in the South Florida region. With deployments in all 50 states, 22 State Patrols, and over 1200 law enforcement agencies and many of the federal agencies in the US including the CBP, DEA, FBI, and CIA. Full implementation of hardware to support each specific mission from mobile, fixed, to covert applications are available and highly customizable.

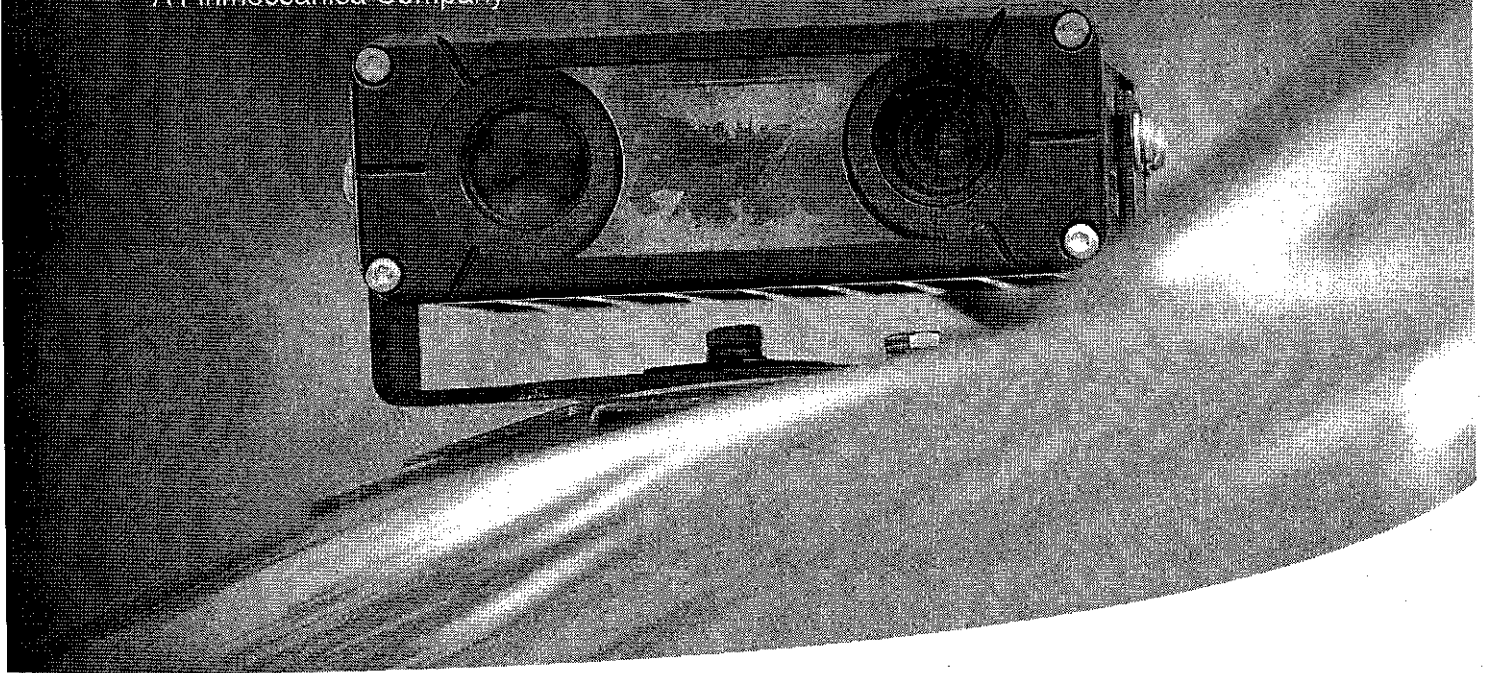
The mobile solution that Fort Lauderdale PD is soliciting fits exactly into the ELSAG ALPR profile, with every single specification met as standard in the agencies requirements. The scalable ability of the new back end server application, the ELSAG OPERATION CENTER(EOC) can be structured to allow other regional agencies to share data, add a multitude of additional ALPR systems, and even integrate other sensory platforms into the monitoring application such as IP Camera networks. The EOC has an open SDK, which allows custom development of multi application integration within the platform for growth and future proofing the solution.

The top down management of the new EOC allows for the administrator to set up secure and auditable permissions throughout the network. Not only are all mobile software client updates pushed out from the server with ease, but the administrator can control down to the user what access permissions each user has with regards to read data, query permissions, hot list management, etc. The administrative solution addresses many concerns from ACLU with auditable user interfaces and log files. Naturally, ELSAG suggests that each agency have its own ALPR policy to control usage, access, and sharing of the data protocol.

Full situational awareness for both the user officers, officers in the zone, dispatch and command staff is produced through ELSAG's Tactical Operation Center(TOC) which can send alarms off from mobile, fixed, or covert ALPR cameras to whomever is specified in the network via the web based GUI. Full customization of those alarms, and who sees them is naturally set up by the administrator or group administrator.



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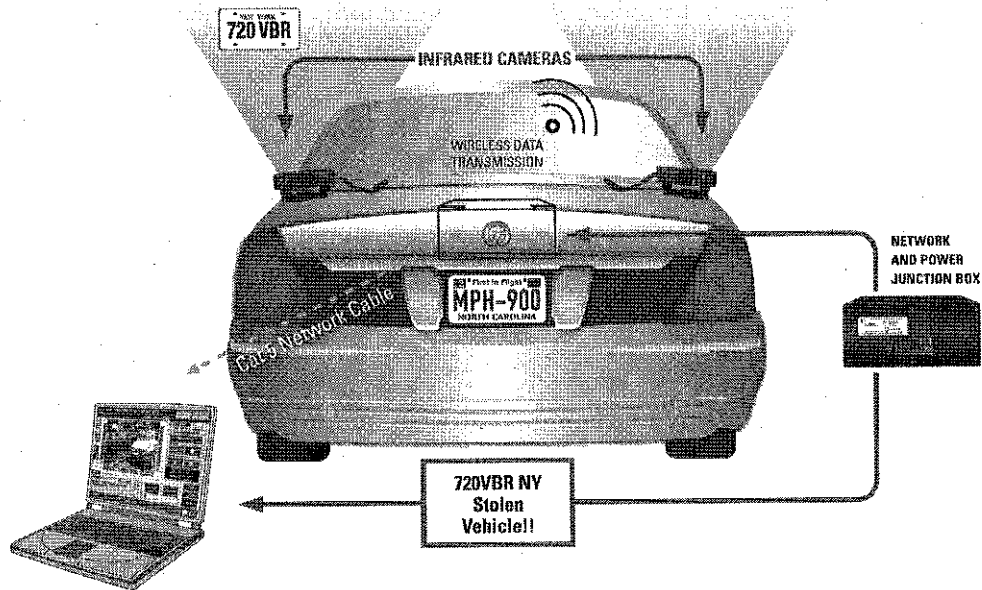
A Smaller Camera Gives The MPH-900® More Flexibility

ELSAG'S NEW MINI CAMERA IS NOW MUCH SMALLER,
ADDING MORE FLEXIBILITY TO THE MOBILE PLATE
HUNTER-900®, THE MOST ACCURATE AUTOMATIC LICENSE
PLATE RECOGNITION TECHNOLOGY AVAILABLE.

THE MINI CAMERA:

- 40% smaller and 30% lighter
- Fits in light bars on top of patrol cars or as a standalone unit attached by magnetic clips
- Retains the same commanding accuracy which has made the MPH-900® the preferred ALPR technology across the country
- Easily and rapidly transferable to a variety of police vehicles
- Can be custom mounted to your specifications

How the MPH-900* Works



THE MPH-900* CAMERA RANGE AND PERFORMANCE

- The Mobile Plate Hunter-900* (MPH-900*) operates at up to 150 mph (241 kph) closing speeds and passing speeds
- Works day or night, in any kind of weather
- Only ALPR 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—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
- Mini camera available; 40% smaller and 30% lighter than predecessor

The MPH-900® In Action

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

1 Officers on highways use cameras to scan plates of passing cars.

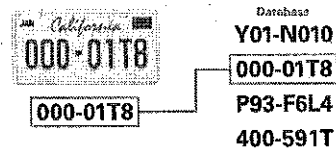
- Cameras can read plates from fast-moving vehicles.
- Locations and times of captured plates are stored.

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.



4 Officers are alerted of a match.

For more information please email info@elsag.com
 ELSAG North America, LLC., a Selex ES Company of the Finmeccanica Group
 205 H Creek Ridge Road, Greensboro, NC 27406, Tel: 1 (877) 773.5724

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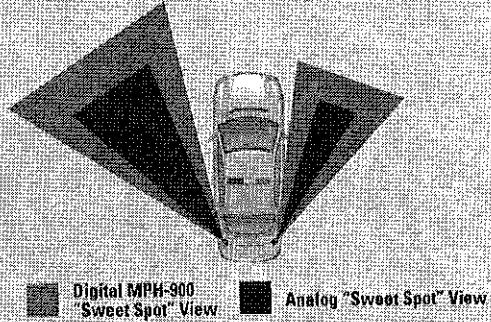
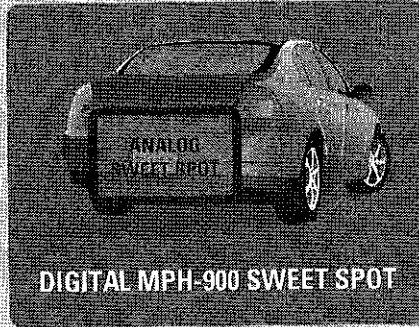
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**ELSAG's MPH-900 ALPR
Against The Competition**

	ELSAG	LPR-B	LPR-C	LPR-D
Cameras				
Digital Signal	YES	NO	NO	NO
Progressive HD	YES	NO	NO	NO
DSP Processing	YES	NO	NO	YES
Nitrogen Sealed	YES	NO	NO	NO
Permanent Install Kits	YES	YES	YES	NO
Light Bar Mount Kit	YES	YES	NO	NO
2,300 US Cameras Deployed	YES	NO	NO	NO
Regulatory Certifications	YES	YES	?	NO
Flat Plate Reading	YES	NO	NO	NO
High Accuracy w/ RED & Green Letters	YES	NO	NO	NO
CPU				
No MDT CPU Processing	YES	NO	NO	NO
MDT Thin Client (Viewer Only)	YES	NO	NO	NO
Text to Voice Alarming	YES	NO	NO	NO
Small Footprint	YES	NO	NO	YES
Corporate Info				
Direct US Support Team	YES	YES	YES	NO
1,160 Paying US Customers	YES	NO	NO	NO
24 Hour Hotline	YES	NO	NO	NO
Self Manufactured	YES	YES	NO	NO
Made in the USA	YES	YES	NO (UK)	NO (Canada)
Features				
Geofencing	YES	NO	NO	NO
Multiple Hotlist Management	YES	YES	YES	YES
Enterprise Scalable	YES	NO	NO	YES



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CARSYSTEM 6: Expect More From Your ALPR System

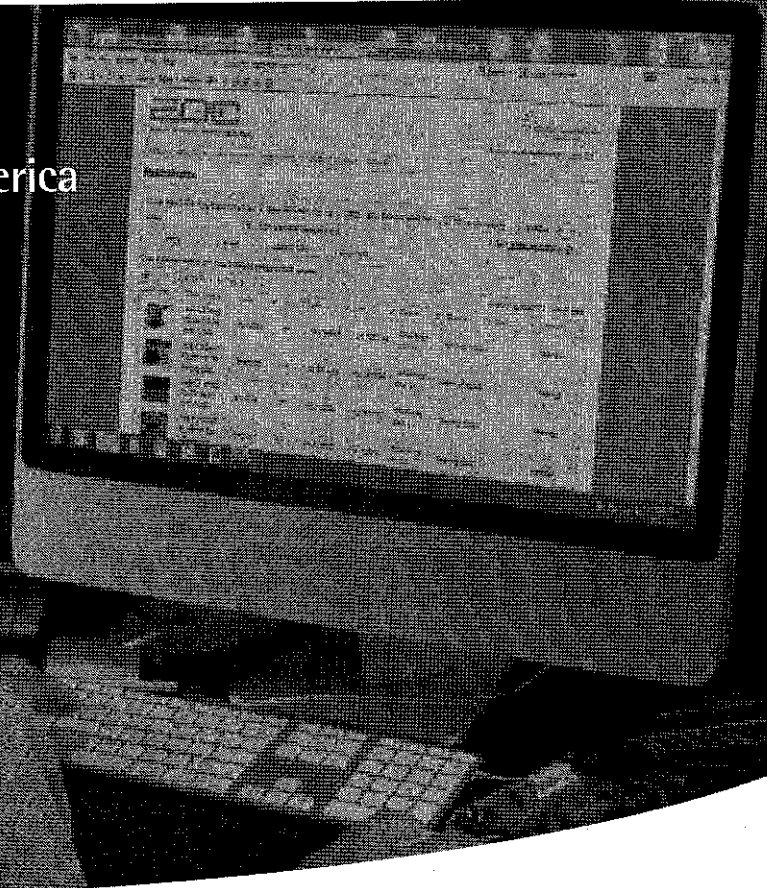
CARSYSTEM 6 IS THE LATEST VERSION OF ELSAG'S IN-VEHICLE USER INTERFACE. THIS APPLICATION MONITORS THE ACTIVITY OF THE ALPR CAMERAS CONNECTED TO THE ONBOARD PC. IT GIVES THE USER A VIEW OF THE LICENSE PLATES BEING READ, ALARMS GENERATED BY THOSE READS WHEN COMPARED AGAINST HOT LISTS, AND REPORTS THE STATUS OF THE SYSTEM. CARSYSTEM 6 CAN ALSO BE INSTALLED ON A FIXED CAMERA AND REVIEWED REMOTELY.

FEATURES OF CARSYSTEM 6:

- More intuitive user interface
- Greater hot list flexibility
- Expanded mapping
- New Officer's Notes field for capturing real-time information
- New pending alarm view
- Enhanced reporting at the vehicle level
- New image zoom capabilities
- Easy hot list reference



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ELSAG Operations Center 4™ Data Management System is Designed For The Future Of ALPR

ELSAG'S NEWEST BACK OFFICE OPERATIONS CENTER, EOC 4, MANAGES A FLEET OF MPH-900® MOBILE ALPR UNITS AND/OR A NETWORK OF FIXED ALPR CAMERAS WITH ENHANCED FEATURES FOR DATA SECURITY AND ACCESS. THE EOC 4 UPLOADS AND ARCHIVES BOTH READ AND ALARM DATA COMING FROM ALL MOBILE AND FIXED CAMERAS, WHILE ALSO MANAGING DISTRIBUTION OF THE PLATE DATABASE, OR HOT LIST, TO ALPR UNITS. THE EOC 4 SOFTWARE INCLUDES A WEBSITE THAT ALLOWS REMOTE ACCESS TO DATA BY AUTHORIZED USERS.

FEATURES OF EOC 4:

- Permissions at domain, group and user levels
- Audit trail for visibility of data sets and use of system
- Mapping now with cross street locations
- Hot list manager limits visibility of specific hot lists
- Simplified approach to adding additional cameras
- Enhanced reporting
- Authentication using Active Directory or SQL
- Built to accept data from other external sources



ELSAG OPERATIONS CENTER

For more information please email info@elsag.com

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ELSAG Advances ALPR Technology With Tactical Operations Center Plus™

ELSAG's TACTICAL OPERATIONS CENTER PLUS™ (TOC PLUS™) SOFTWARE ENHANCES THE TIMESAVING BENEFITS OF ELSAG ALPR CAMERAS.

Every time an officer is alarmed that a suspect vehicle is nearby, he has the peace of mind of knowing that dispatch is already aware of the situation. If back-up or chase cars are needed, they will automatically be alerted by TOC PLUS™ without any effort from the MPH-900® patrol officer. TOC PLUS offers the flexibility to filter alarms by type so that officers only receive alarms associated with their missions. Filtering alarms also allows dispatch to coordinate resources more effectively. Fixed systems can also be monitored with TOC PLUS.

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.

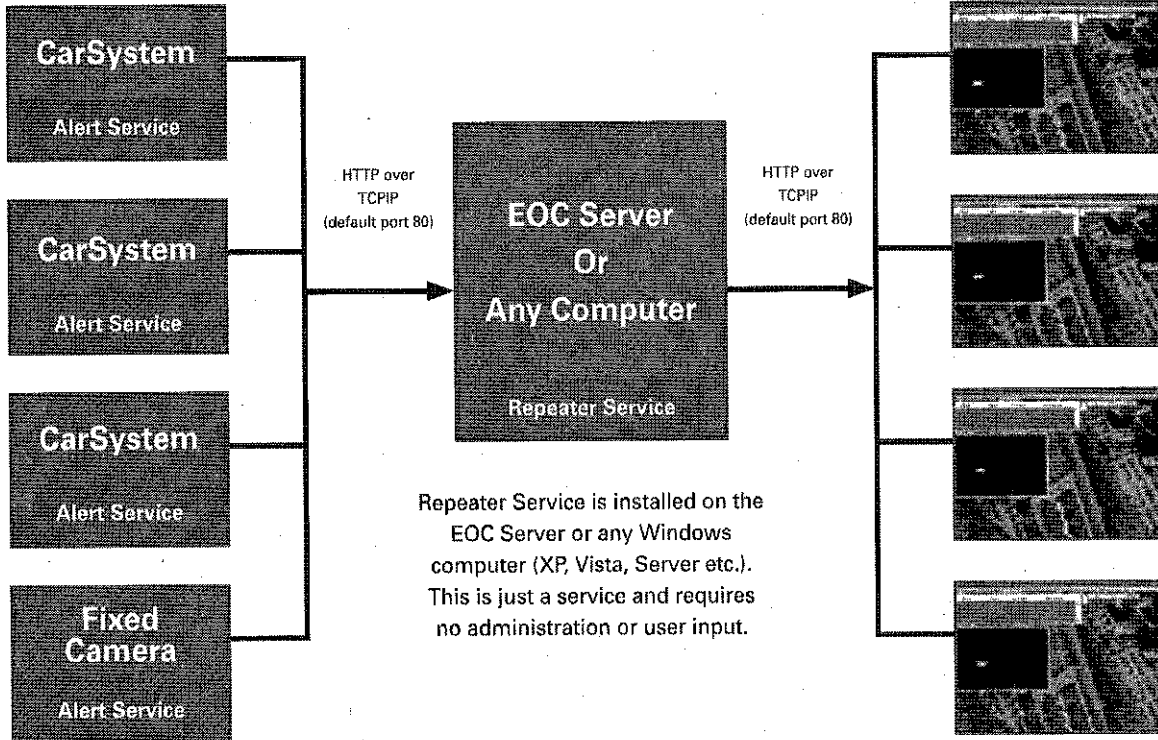
- Highway and traffic safety
- Homeland Security initiatives
- Recovery of stolen vehicles and license plates
- AMBER Alerts and missions related to missing and exploited children
- Safe school initiatives such as perimeter security and school bus safety
- Development and maintenance of Hot Lists
- Drug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

ELSAG Advances ALPR Technology With Tactical Operations Center Plus

Alert Service is installed on the CarSystem. This is just a service and requires no administration or user input. When a PLATE is HOT, the alarm passes to the repeater, independent of ACCEPT or REJECT.

TOC Client:

- Filter by car, camera, and alarm type
- Must be able to communicate to the Repeater computer and maps.bing.com
- Can be installed on any computer (even other patrol vehicles)



FEATURES AND BENEFITS OF THE TACTICAL OPERATION CENTER™ PLUS SOFTWARE:

- Maximizes the use of ALPR fixed and mobile cameras
- Sends Real-time alarms to multiple sources (additional cars, dispatch, command center, etc.)
- Offers the flexibility to filter alarm types so officers receive only the alarms related to their missions

For more information please email info@elsag.com

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IMPLEMENTATION

- 1) ELSAG to develop project team, lead by Craig Duncan, ELSAG, Southern Regional Field Operations Manager in coordination with production planning, quality control, tech support, and in field installation and support team from Morganelli & Associates and Strobes 'R' Us.
- 2) Production planning will develop production schedule for hardware, coordinate with installation team and tech support
- 3) Tech Support simultaneously works with Fort Lauderdale Police Department's IT Department to deploy ELSAG OPERATION CENTER(EOC) back end server application. Server requirements are below for 1-10 ALPR systems.

SERVER 1	
Functions	Aggregator, Trans DB, Staging DB, Web Service, Image Storage
Processor	
Minimum	Intel i7 Quad Core
Recommended	Intel Xeon Dual Core
RAM	
Minimum	16GB
Recommended	32GB
Hard Drive	
OS	RAID 1, 7.5k RPM, 100GB (pagesys located here)
IMAGES	RAID 1, 7.5k RPM, 200GB to 1.5TB/yr *See Capacity Planning Worksheet
SQL	RAID 1, 7.5k RPM, *See Capacity Planning Worksheet (meta data storage - no images)
Software	
OS	
Minimum	Windows Server 2005 64bit version, Windows 7 Professional 64bit
Recommended	Windows Server 2008R2 64bit version
SQL	Microsoft SQL Server 2008R2 or 2012 64bit versions
.NET	4 Full



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- 4) Production ships hardware and schedules in field installation of hardware in conjunction with mobile Car System software installation.

Computer System Requirements for the Mobile Data Terminal (MDT)

The computer on which you install Car System must meet the following requirements:

- Pentium 4 1Ghz with at least 512 Mb RAM
- Minimum 800x600 display resolution
- Minimum 5 Gb hard disk space available.
- LAN data port for connecting to the junction and power box
- At least 2 USB ports

- 5) Installation of mobile systems is completed, networked, and tested for full functionality. Individual user training is implemented as well as a 'train the trainer' session for MDT as well as user training for the program administrator and EOC server users (investigators, analysts, dispatch). User guides are available in pdf form and Power Point free of charge. Future onsite or remote training sessions could be set up free of charge as well.

DISTINCTIVE COMPETANCE / QUALIFICATIONS

ELSAG : See letter of intent for corporate qualifications and experience.

Craig Duncan, ELSAG, Southern Field Operations Manager. Experienced in mid to large sized program deployment, scalability, training, and support.

Forrest Essic, ELSAG, Sr. Technical Analyst. Experienced in mid to large sized program software and server deployments, maintenance, and oversees the technical support team in ELSAG's Greensboro, NC headquarters.

Morganelli & Associates: Whelen Rep Group : 1401 Saratoga St., DeLand, FL 32724

Tim Davis : M&A South Florida Rep. Experienced in onsite service, support, and technical sales of ELSAG ALPR technology. Lives in the area and is dealing with FLPD with other products from and ProGuard, Havis and Whelen.

Strobes 'R' Us: 2681 Hammondville Road, Pompano Beach, FL 33069

Tom Hanina : Owner. Specializes in sales and servicing law enforcement mobile vehicle equipment.



ELSAGNorthAmerica
A Finmeccanica Company



TIMETABLES:

Commitment via the award of the contract will put the wheels in motion for ELSAG to produce the mobile ALPR hardware and deliver the software to work with FLPD's IT Department on the server application. From the PO issuance date, allow 10 days for the custom ALPR hardware to ship from ELSAG's North Carolina facility. During the initial production time, ELSAG's Tech Support team will engage with FLPD's IT Department to deploy the EOC server application, train the administrator, and initiate the MDT software deployment and user access. That way, when the hardware is shipped, the back end server will be ready to network to the vehicles and time will not be wasted from hardware installation to training and real time use in the field by officers on patrol. With training, tweaking of the server, and custom hot list implementation, and a trial period, the system would require final sign off by FLPD.

FLORIDA DEPARTMENT OF STATE
DIVISION OF CORPORATIONS



Detail by Entity Name

Foreign Limited Liability Company

ELSAG NORTH AMERICA LLC

Filing Information

Document Number	M07000004359
FEI/EIN Number	800119568
Date Filed	06/25/2007
State	DE
Status	ACTIVE
Last Event	LC NAME CHANGE
Event Date Filed	01/13/2009
Event Effective Date	NONE

Principal Address

205-H CREEK RIDGE ROAD
GREENSBORO, NC 27406

Changed: 01/13/2009

Mailing Address

205-H CREEK RIDGE ROAD
GREENSBORO, NC 27406

Changed: 01/13/2009

Registered Agent Name & Address

PARACORP INCORPORATED
236 EAST 6TH AVENUE
TALLAHASSEE, FL 32303

Name Changed: 01/13/2009

Address Changed: 01/13/2009

Manager/Member Detail

Name & Address

Title MGR

Nieuwkerk, Willem
205-H CREEK RIDGE ROAD
GREENSBORO, NC 27406

Title ACCT

LYON, ERIN R
205 H CREEK RIDGE ROAD
GREENSBORO, NC 27406

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Annual Reports

Report Year	Filed Date
2011	04/05/2011
2012	04/04/2012
2013	04/29/2013

Document Images

04/29/2013 -- ANNUAL REPORT	View image in PDF format
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04/05/2011 -- ANNUAL REPORT	View image in PDF format
02/19/2010 -- ANNUAL REPORT	View image in PDF format
03/20/2009 -- ANNUAL REPORT	View image in PDF format
01/13/2009 -- Reg. Agent Change	View image in PDF format
01/13/2009 -- LC Name Change	View image in PDF format
04/29/2008 -- ANNUAL REPORT	View image in PDF format
06/25/2007 -- Foreign Limited	View image in PDF format

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State of Florida, Department of State

2013 FOREIGN LIMITED LIABILITY COMPANY ANNUAL REPORT

DOCUMENT# M07000004359

Entity Name: ELSAG NORTH AMERICA LLC

Current Principal Place of Business:

205-H CREEK RIDGE ROAD
GREENSBORO, NC 27406

Current Mailing Address:

205-H CREEK RIDGE ROAD
GREENSBORO, NC 27406

FEI Number: 80-0119568

Certificate of Status Desired: No

Name and Address of Current Registered Agent:

PARACORP INCORPORATED
236 EAST 6TH AVENUE
TALLAHASSEE, FL 32303 US

The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.

SIGNATURE:

Electronic Signature of Registered Agent Date

Manager/Member Detail Detail :

Title	MGR	Title	ACCT
Name	NEUWKERK, WILLEM	Name	LYON, ERIN R
Address	205-H CREEK RIDGE ROAD	Address	205 H CREEK RIDGE ROAD
City-State-Zip:	GREENSBORO NC 27406	City-State-Zip:	GREENSBORO NC 27406

I hereby certify that the information indicated on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath that I am a managing member or manager of the limited liability company or the receiver or trustee empowered to execute this report as required by Chapter 006, Florida Statutes, and that my name appears above or on an attachment with all other true answers.

SIGNATURE: ERIN LYON

ACCOUNTANT

04/29/2013

Electronic Signature of Signing Manager/Member Detail Date



City of Pompano Beach Business Tax Receipt

REGISTRATION NO.

14-00077893

2012-2014

NEW RENEWAL

OWNER
STROBER P US INC

DATE ISSUED 7-18-13

ACCOUNT NO.

REGISTRATION FEE 124.00

BUSINESS NAME

DELINQUENT CHG .00

LOCATION

TRANSFER FEE .00

2801 HAMMONTVILLE RD

TOTAL AMOUNT PAID 124.00

CLASSIFICATION

REPAIRS TO RAIL 000.000.01 TO 450.000.00

EFFECTIVE DATE OCTOBER 1
EXPIRATION DATE SEPTEMBER 30

STROBER P US INC

2801 HAMMONTVILLE RD

POMPANO BEACH FL 33069

BUSINESSES MUST CONSPICUOUSLY DISPLAY THIS
BUSINESS TAX RECEIPT TO PUBLIC VIEW AT
BUSINESS LOCATION

CONTRACTORS MUST MAINTAIN ON FILE
CURRENT LICENSING AND INSURANCE

NOTICE: A NEW APPLICATION MUST BE FILED IF THE BUSINESS NAME, OWNERSHIP OR ADDRESS IS CHANGED. THE ISSUANCE OF A BUSINESS TAX RECEIPT SHALL NOT BE DEEMED A WAIVER OF ANY PROVISION OF THE CITY CODE NOR SHALL THE ISSUANCE OF A BUSINESS TAX RECEIPT BE CONSIDERED TO BE A JUDGEMENT OF THE CITY AS TO THE COMPETENCE OF THE APPLICANT TO TRANSACT BUSINESS.



City of Pompano Beach Business Tax Receipt

REGISTRATION NO.

14-00077894

2013-2014

NEW RENEWAL

OWNER
STROBER P US INC

DATE ISSUED 7-18-13

ACCOUNT NO.

REGISTRATION FEE 124.00

BUSINESS NAME

DELINQUENT CHG .00

LOCATION

TRANSFER FEE .00

2801 HAMMONTVILLE RD

TOTAL AMOUNT PAID 124.00

CLASSIFICATION

REPAIR SYSTEMS REPAIR

EFFECTIVE DATE OCTOBER 1
EXPIRATION DATE SEPTEMBER 30

STROBER P US INC

2801 HAMMONTVILLE RD

POMPANO BEACH FL 33069

BUSINESSES MUST CONSPICUOUSLY DISPLAY THIS
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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
11/29/2012

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Craft Insurance Center 823 North Elm Street PO Box 14946 Greensboro NC 27415	CONTACT NAME: Mark McLamb, CIC PHONE (A/C No. Ext): (336) 375-0600 FAX (A/C No.): (336) 375-7004 E-MAIL ADDRESS: mmclamb@craftinsurance.com													
	<table border="1"> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> <tr> <td>INSURER A: Federal Insurance Company</td> <td>20281</td> </tr> <tr> <td>INSURER B:</td> <td></td> </tr> <tr> <td>INSURER C:</td> <td></td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Federal Insurance Company	20281	INSURER B:		INSURER C:		INSURER D:		INSURER E:		INSURER F:
INSURER(S) AFFORDING COVERAGE	NAIC #													
INSURER A: Federal Insurance Company	20281													
INSURER B:														
INSURER C:														
INSURER D:														
INSURER E:														
INSURER F:														
INSURED Elsag North America, LLC 205-H Creek Ridge Road Greensboro NC 27406														

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC	X	35840328	12/1/2012	12/1/2013	EACH OCCURRENCE \$ 1,000,000
	DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000					
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS		73532741	12/1/2012	12/1/2013	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	BODILY INJURY (Per person) \$					
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000		79836901	12/1/2012	12/1/2013	EACH OCCURRENCE \$ 5,000,000
	AGGREGATE \$ 5,000,000					
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N <input type="checkbox"/> N/A	N/A	71710537	12/1/2012	12/1/2013	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 City of Fort Lauderdale are Additional Insureds on the General Liability policy if required by written contract, agreement or permits only as respects to operations of the Named Insured.

CERTIFICATE HOLDER**CANCELLATION**

City of Fort Lauderdale Procurement Services Department 100 North Andrews Avenue Room 619 Fort Lauderdale, FL 33301	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE Mark McLamb, CIC/KMM <i>H. Mark McLamb</i>
---	---



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

8/23/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER BB Insurance Marketing Inc 11870 W. State Road 84, C-15 Ft. Lauderdale FL 33324	CONTACT NAME: Cari Hernandez Ext. 309	PHONE (A/C, No. Ext): 954-452-4900	FAX (A/C, No.): 954-452-0450
	E-MAIL ADDRESS: cari@bbimi.com		
INSURED STROB-1 Strobes-R-Us Inc 2681 Hammondville Rd Pompano Beach FL 33064	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A: Essex Insurance Company		
	INSURER B: Associated Industries Ins Co		
	INSURER C:		
	INSURER D:		
	INSURER E:		
INSURER F:			

COVERAGES

CERTIFICATE NUMBER: 825281152

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR <input checked="" type="checkbox"/> GARAGE LIAB			GAR702935	8/12/2013	8/12/2014	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$50,000 MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$1,000,000 PRODUCTS - COMP/OP AGG \$ AUTO ONLY \$1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						EACH OCCURRENCE \$ AGGREGATE \$ \$
	UMBRELLA LIAB EXCESS LIAB DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y/N N/A	AWC1018426	2/1/2013	2/1/2014	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$100,000 E.L. DISEASE - EA EMPLOYEE \$100,000 E.L. DISEASE - POLICY LIMIT \$500,000
A	GARAGE KEEPERS			GAR702935	8/12/2013	8/12/2014	COMPREHENSIVE \$500,000 COLLISION \$500,000 DEDUCTIBLE \$1,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Installer of Emergency Lighting and Electronic Accessories located at 2681 Hammondville Rd, Pompano Beach, FL 33064.
Certificate Holder is included as an Additional Insured with respect to General Liability.

CERTIFICATE HOLDER

CANCELLATION

City of Fort Lauderdale 100 North Andrews Ave, Rm 619 Fort Lauderdale FL 33301	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

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ACORD 25 (2010/05)

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State of Florida
Department of Agriculture and Consumer Services
Division of Consumer Services
2005 Apalachee Pkwy
Tallahassee, Florida 32399-6500

Registration No.: **MV43359**
Issue Date: September 6, 2013
Expiration Date: September 13, 2015

POST CERTIFICATE
CONSPICUOUSLY

**Motor Vehicle Repair
Registration Certificate**

Chapter 559, Florida Statutes
GOOD ONLY FOR THE LOCATION LISTED BELOW

**STROBES R US INC
2681 HAMMONDVILLE RD
POMPANO BEACH, FL 33069-1513**

**OWNED BY:
STROBES -R-US, INC.**

ADAM H. PUTNAM
COMMISSIONER OF AGRICULTURE

This is to certify that the Motor Vehicle Repair Shop whose name and address are shown above has registered and paid the prescribed fee (based on the declared number of mechanics, technicians, and helpers) as required by s. 559.904 F.S. and is authorized to perform Motor Vehicle Repairs at the location shown above.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
11/20/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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PRODUCER Caton-Hosey Insurance 3731 Nova Rd. Port Orange FL 32129	CONTACT NAME: Elinn Peacock	
	PHONE (A/C No. Ext): (386) 767-3161 FAX (A/C No.): (386) 760-1770 E-MAIL ADDRESS: elinn@catonhosey.com	
INSURED Morganelli & Associates, Inc. 1401 Saratoga St Deland FL 32724-2109	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Southern Owners	10190
	INSURER B: Auto-Owners Ins Co	18988
	INSURER C:	
	INSURER D:	
	INSURER E:	

COVERAGES CERTIFICATE NUMBER: CL138910028 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY		72080666	12/14/2012	12/14/2013	EACH OCCURRENCE \$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY					DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR	<input checked="" type="checkbox"/>				MED EXP (Any one person) \$ 10,000
						PERSONAL & ADV INJURY \$ 1,000,000
						GENERAL AGGREGATE \$ 2,000,000
GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG \$ 2,000,000
	<input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC					\$
B	AUTOMOBILE LIABILITY		4211973400	11/19/2012	11/19/2013	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO					BODILY INJURY (Per person) \$
	<input type="checkbox"/> ALL OWNED AUTOS	<input type="checkbox"/> SCHEDULED AUTOS				BODILY INJURY (Per accident) \$
	<input type="checkbox"/> HIRED AUTOS	<input type="checkbox"/> NON-OWNED AUTOS				PROPERTY DAMAGE (Per accident) \$
						BFCGL \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR		4783607200	12/14/2012	12/14/2013	EACH OCCURRENCE \$ 2,000,000
	<input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE					AGGREGATE \$
	<input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000					\$
WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						WC STATUTORY LIMITS OTHER
ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N N/A						E.L. EACH ACCIDENT \$
If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE \$
						E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
Certificate Holder is included as an Additional Insured for Liability Only with respects to operations of the Named Insured.

CERTIFICATE HOLDER City of Fort Lauderdale Procurement Services Division 100 N. Andrews Ave., Room 619 Ft Lauderdale, FL 33301	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE Ann Pinel, CIC/ASHOOK <i>A. Pinel</i>

Technical Equipment Specifications

<p>1. System shall be composed of three (3) cameras with DSP (Digital Signal Processor) based OCR processing along with a power distribution and network communication unit, and all necessary cabling and mounting hardware for use in police patrol vehicle settings.</p>	<p>YES Standard X</p>	<p>YES Custom</p>	<p>NO</p>
<p>Comments and Explanation:</p>			
<p>2. The system shall perform all OCR processing on a dedicated processor unit, eliminating the need for any laptop processing requirements.</p>	<p>YES Standard X</p>	<p>YES Custom</p>	<p>NO</p>
<p>Comments and Explanation:</p>			
<p>3. The system shall support a web based application or system to display Hits in full color with the plate read, color vehicle image and cartography from the License Plate Reader system on non-LPR equipped vehicles.</p>	<p>YES Standard X</p>	<p>YES Custom</p>	<p>NO</p>
<p>Comments and Explanation: TACTICAL OPERATION CENTER(TOC)</p>			
<p>4. Camera cables shall be shielded to eliminate interference due to radar and use military specification (MIL-SPEC) connectors.</p>	<p>YES Standard X</p>	<p>YES Custom</p>	<p>NO</p>
<p>Comments and Explanation:</p>			
<p>5. Each camera unit shall have internal cooling elements to extend high temperature operating levels.</p>	<p>YES Standard X</p>	<p>YES Custom</p>	<p>NO</p>
<p>6. The vendor shall certify that the unit can sustain heat ranges typical for vehicles specified. These standards include when the vehicle is running in Florida summer conditions as well as high humidity conditions.</p>	<p>YES Standard X</p>	<p>YES Custom</p>	<p>NO</p>
<p>Comments and Explanation: FACTORY SEALED WITH NITROGEN TO WITH STAND MOISTURE LIKE HIGH END TACTICAL OPTICS</p>			
<p>7. The system shall be designed and installed to be immune from the temporary drop in DC power during vehicle starts and shall not reboot or lose connectivity with the vehicles system. All power cables shall be properly fused with an independent fuse.</p>	<p>YES Standard X</p>	<p>YES Custom</p>	<p>NO</p>

Comments and Explanation:			
8. The system should be configurable to allow setting a delayed power off in intervals of 0, 5, 10, 60 and 120 minutes.	YES Standard X	YES Custom	NO
Comments and Explanation:			
9. Each camera enclosure shall include two cameras (one color and one black/white) and an infrared illuminator and be nitrogen sealed to perform in any weather condition.	YES Standard X	YES Custom	NO
Comments and Explanation:			
10. LPR system should have a minimum/maximum operating temperature range of at least 20 to 160 degrees Fahrenheit	YES Standard X	YES Custom	NO
Comments and Explanation:			
11. Cameras should be externally mounted with secure magnetic base including operational alignment bracket and variable direction system which allows the camera to be locked into a forward or backward facing position.	YES Standard X	YES Custom	NO
Comments and Explanation:			
12. The mounting system shall include an anti-theft/removal bracket to guarantee the placement of the camera when trunk mounted.	YES Standard X	YES Custom	NO
Comments and Explanation:			
13. Communications between the cameras and user interface shall consist of IP, TCP and UDP over 100Mb Fast Ethernet	YES Standard X	YES Custom	NO
Comments and Explanation:			

14. The system shall separately capture, interpret, process, display and store images of the license plate within range of the equipped vehicle without the interaction of the end-user	YES Standard X	YES Custom	NO
Comments and Explanation:			
15. The system shall continue to read license plates during all functions except for a diagnostic mode.	YES Standard X	YES Custom	NO
Comments and Explanation:			

User Interface

1. The user interface software (GUI) shall be able to be loaded on existing laptop computer and not require additional display hardware.	YES Standard X	YES Custom	NO
Comments and Explanation:			
2. The system shall be installed and function on a laptop within the minimum specs for the user interface software.	YES Standard X	YES Custom	NO
Comments and Explanation:			
3. The system shall be installed and function on a laptop within the recommended specs for the user interface software.	YES Standard X	YES Custom	NO
Comments and Explanation:			
4. The system shall function with full capabilities with an operating system environment of Microsoft Windows 7 or higher (in 32-bit and 64-bit environments)	YES Standard X	YES Custom	NO
Comments and Explanation:			

5. Each license plate read should consist of one color overview image of the entire target vehicle, one black and white of the license plate, a time and date stamp, GPS coordinates, and any associated "hit" information.	YES Standard X	YES Custom	NO
Comments and Explanation:			
6. The system should allow storage of plate reads for at least 3 months and up to 12 months and retain those records after data transfer to a server for long term storage.	YES Standard X	YES Custom	NO
Comments and Explanation:			
7. The system should provide the ability to store at least 10 million records in its "hotlist" database.	YES Standard X	YES Custom	NO
Comments and Explanation:			
8. The system shall provide the ability to accommodate multiple hotlists acquisition from independent data sources. Hotlists shall include Suspended Licenses, Wanted, Insurance, Sexual Offenders, NCIC, and FCIC.	YES Standard X	YES Custom	NO
Comments and Explanation:			
9. The system should be multi-user capable with user and password management available through the in-vehicle interface.	YES Standard X	YES Custom	NO
Comments and Explanation:			
10. The system shall have the ability to push settings to the in-vehicle system from back office software.	YES Standard X	YES Custom	NO
Comments and Explanation:			

11. The system shall have the ability to lock out certain features based on user logon credentials set through the back office software.	YES Standard X	YES Custom	NO
Comments and Explanation:			
12. The in-vehicle system shall have the ability to query record data on the server and present it to the user without leaving the application.	YES Standard X	YES Custom	NO
Comments and Explanation:			
13. Hotlists shall be able to be loaded via Wi-Fi (802.11) without user intervention.	YES Standard X	YES Custom	NO
Comments and Explanation:			
14. Hotlists shall be able to be loaded via cellular without user intervention.	YES Standard X	YES Custom	NO
Comments and Explanation:			
15. Reads that are on the hotlist shall alert the user with both an audible and visible alarm in under a second.	YES Standard X	YES Custom	NO
Comments and Explanation:			
16. The system shall allow the end-user to query stored reads against time and date and full or partial tags.	YES Standard X	YES Custom	NO
Comments and Explanation:			
17. The system shall allow query results to be displayed and included a time and date stamp, a B&W image of	YES Standard	YES Custom	NO

the plate, a color overview image and corresponding GPS coordinates of the read placed on a map including any associated information with the hotlist database match.	X		
Comments and Explanation:			
18. The mapping system should be local to the laptop and NOT require the use of Internet connection to render any maps.	YES Standard X	YES Custom	NO
Comments and Explanation:			
19. The mapping system should be licensed and proof of license must be furnished at time of Bid.	YES Standard X	YES Custom	NO
Comments and Explanation:			
20. The mapping system shall be part of the system purchase cost and not tied to data usage	YES Standard X	YES Custom	NO
Comments and Explanation:			
21. The mapping system shall receive regular and timely updates from the vendor while the product is under warranty and support.	YES Standard X	YES Custom	NO
Comments and Explanation:			
22. The system shall provide multiple layers of security and configuration so that certain matches may alert only those officers with appropriate privileges.	YES Standard X	YES Custom	NO
Comments and Explanation:			
23. The system shall run off an embedded database not requiring additional maintenance or installation.	YES Standard X	YES Custom	NO

Comments and Explanation:			
24. The system should run off an embedded database not requiring additional fees.	YES Standard X	YES Custom	NO
Comments and Explanation:			
25. The system shall allow the ability to toggle between the black/white (IR) image and the corresponding color image on the user interface.	YES Standard X	YES Custom	NO
Comments and Explanation:			
26. The system should be configurable to choose the default presets for images displayed after the system startup as either black/white or the color image.	YES Standard X	YES Custom	NO
Comments and Explanation:			
27. The system shall be able to retrieve new or updated hotlist files automatically to an agency-defined schedule, via the wireless network connection without operator intervention (automated updates).	YES Standard X	YES Custom	NO
Comments and Explanation:			
28. The system shall be able to retrieve new or updated hotlist files automatically to an agency-defined schedule, via cellular modem without operator intervention (automated updates).	YES Standard X	YES Custom	NO
Comments and Explanation:			
29. The GUI shall allow the end user to manually insert a plate, including state and additional description data. The GUI shall also search through in-vehicle stored reads for inserted plates and display any and all past reads on that plate.	YES Standard X	YES Custom	NO
Comments and Explanation:			

30. The system should be able to take a still digital image with the cameras from the user interface.	YES Standard X	YES Custom	NO
Comments and Explanation:			
31. The system shall include on-board cartography in the user interface to show every read on a map	YES Standard X	YES Custom	NO
Comments and Explanation:			
32. The system shall be able to conduct geo-fencing, whereby a violation range can be established for a specific alarm type and the alarm accordingly within that range and tag.	YES Standard	YES Custom X	NO
Comments and Explanation:			
33. The system shall be able to conduct historical checks of gathered data when a new hotlist is published and alert defined groups of users to possible matches.	YES Standard X	YES Custom	NO
Comments and Explanation:			
34. The system should be able to conduct HTML data export containing independent images linked to a report.	YES Standard X	YES Custom	NO
Comments and Explanation:			
35. The system shall have the ability when a tag is hit from a confidential tag placed into the system; it may or may not alert the end user depending on the configuration. This shall be used in confidential surveillance investigations.	YES Standard X	YES Custom	NO
Comments and Explanation:			
36. If there is a hit on a user's laptop when the application is minimized, the application shall return to normal screen size and alert the user.	YES Standard X	YES Custom	NO

Comments and Explanation:			
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Server Specs

1. The server application shall be compatible in a virtual environment (VMWARE ESX)	YES Standard X	YES Custom	NO
Comments and Explanation:			
2. The software shall allow searches of stored reads via time and date, tags (including partials), location radius, and map location.	YES Standard X	YES Custom	NO
Comments and Explanation:			
3. The software shall be able to create PDF files for each record to include a color image of the vehicle, a black/white image of the vehicle, a map of the read location and the ability to view the location maps.	YES Standard X	YES Custom	NO
Comments and Explanation:			
4. The server software shall have a mapping system that does not require Internet connectivity in order to render.	YES Standard X	YES Custom	NO
Comments and Explanation:			
5. The software shall provide data mining functions including: convoy analysis, unique/duplicate plates, time frame analysis, and nested searches.	YES Standard X	YES Custom	NO
Comments and Explanation:			
6. The system shall be able to generate email messages to mobile devices including mapping.	YES Standard X	YES Custom	NO
Comments and Explanation:			

7. The software shall be able to manage multiple hotlists that have different independent refresh rates.	YES Standard X	YES Custom	NO
Comments and Explanation:			
8. The software shall be able to manage hidden or covert hotlists and accessibility based on user permissions.	YES Standard X	YES Custom	NO
Comments and Explanation:			
9. The software must allow for multiple login roles with various permission levels.	YES Standard X	YES Custom	NO
Comments and Explanation:			
10. The software shall provide an audit log of user activities.	YES Standard X	YES Custom	NO
Comments and Explanation:			
11. The software shall allow for customized menu selection based on roles.	YES Standard X	YES Custom	NO
Comments and Explanation:			
12. The software system shall be capable of supporting future increases in the number of ALPR equipped police vehicles.	YES Standard X	YES Custom	NO
Comments and Explanation:			

Support and Warranty

1. The vendor shall provide priority onsite support for all hardware and issues pertaining to the license plate	YES Standard	YES Custom	NO
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recognition equipment within four hours of being notified. The vendor shall explain their priority support process.	X		
Comments and Explanation: Remote 24/7 ELSAG Tech Support: Initiate service request via 800# or web based tech request for initial diagnosis. ELSAG Tech Support will escalate for onsite support via Morganelli & Associates and or Strobes R Us locally.			
2. The vendor shall provide priority onsite or remote support for software issues pertaining to the server application within four hours of being notified. The vendor shall explain their priority support process.	YES Standard X	YES Custom	NO
Comments and Explanation: Remote 24/7 Tech Support is available and to be initiated via 800# or web based tech request			
3. The vendor shall have a fully functioning product for at least 60 consecutive days without an issue.	YES Standard X	YES Custom	NO
Comments and Explanation:			
4. The vendor shall provide onsite training as part of train-the-trainer on all portions of the license plate recognition application.	YES Standard X	YES Custom	NO
Comments and Explanation:			
5. The vendor's equipment and software shall require a 60 day test period to be considered as fully functional.	YES Standard X	YES Custom	NO
Comments and Explanation:			
6. The vendor shall provide all wiring, cabling, parts, fittings, hardware, fuses, and any other components to properly install their equipment into the vehicle without any additional expense to the city.	YES Standard X	YES Custom	NO
Comments and Explanation:			
7. The vendor shall provide a spare unit to be installed when a device is required to be removed for warranty, maintenance or other service while the units are still under support or warranty.	YES Standard X	YES Custom	NO
Comments and Explanation:			

8. Vendor shall provide 1 year warranty for parts and labor included in the initial purchase. (Warranty period to begin once system is fully functional and approved by City staff – see item 5 above)	YES Standard X	YES Custom	NO
Comments and Explanation:			
9. The vendor shall provide a cost for an additional 3-year of warranty and support.	YES Standard X	YES Custom	NO
Comments and Explanation:			



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ASSESSMENT OF FLPD'S NEEDS

ASSESSMENT:

Fort Lauderdale Police Department's proposal to deploy a fully integrated ALPR program is very sound and complete. The proposal addresses all of the needs from the quality of the mobile ALPR systems to the back end server with room for scalability and growth.

ELSAG's new EOC back end server application's open SDK allows for autonomous integration with other surveillance platforms such as your IP camera network to synchronize a plate read with a wide angle field of view video data stream. Furthermore, it can also be integrated with a multitude of other sensory products to make the analytic process more powerful for the agency.

ELSAG being the only ALPR vendor that supports a data link to the DEA's DART server with DICE access allows further local, state wide, and national data mining law enforcement to law enforcement to further assist with mission critical analytics. A HIDTA ALPR server network is growing as well, and they are always inviting agencies to share data with them if desired. Furthermore, ELSAG is uniquely positioned to support FLPD's mission and growth with its other regional customers with networking and data sharing.

ELSAG is responsible for the three largest fixed ALPR deployments in the country, and therefore, as the FLPD ALPR program grows to fixed and covert applications, the network is fully expandable to support growth and integration with other local agencies if the department decides to do so.

PLAN OUTLINE:

Hardware – 6/each MPH900 3 camera Mini Split Mobile ALPR systems
Trunk or light bar mount solution provided and installed locally.

Hardwired into vehicle ignition

All cabling, mounting, hardware included

Software – 6/each Car System 6.X software installations with full mapping and networking to EOC server application.

6/each – EOC lifetime license

1/each – EOC software installation on FLPD's server

Warranty – 6/each full hardware/software warranties, first year free, additional full coverage for three years, four years total.

Includes all software updates for FREE

Includes dedicated 800 Tech Support hotline with 24/7 Remote Tech Support

Includes local onsite hardware support

Includes back up system at Morganelli & Associates.

Training: Full Car System MDT training with users, train the trainer MDT training.

Server application training for administrator and desired users.

Power Point and pdf training guides available for FREE

Future training sessions available FREE of charge either in person or remote session.



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ELSA's PERFORMANCE RESOURCES

ELSA's uniquely positioned with the backing of its \$28 billion parent company Finmeccanica to have the resources to not only develop world class ALPR technology, but to look into the future of the industry to meet and exceed the clients needs and expectations, and to produce high quality products with the necessary quality control measures. ELSA's production staff, its quality control commitment, and mission support embodied Tech Support team all believe in the mission that our gear does in the field in our nation's law enforcement hands. That mission critical emphasis is passed down from the CEO to the installation and training specialists on the ground for support from day one with a continued commitment of mission support.

The North Carolina manufacturing facility and support team will work closely with the local team in Florida to coordinate timing for deployment, testing, and training. ELSA is very familiar with projects of this scope and has the utmost confidence and ability to exceed Fort Lauderdale's high expectation.

YOUR MISSION IS OUR MISSION



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ADDITIONAL SERVICES

ELSAG is basically a 'custom shop' when an agency may be looking for applications that aren't typical from hardware to software applications. Covert missions can sometimes be developed out of the box to stay ahead of perps. ELSAG's covert applications are varied, but sometimes there is some tweaking requested by the client. Typically, ELSAG would absorb engineering and development time for a project with regards to hardware, however, the customization of software with the open SDK, or other applications can either be charged in an hourly rate of \$325/hour or daily rate of \$1,295 for custom software development. Naturally project quotes would be presented.

Future project development, adding a fixed camera network, ELSAG would do FREE site survey's with FLPD to determine best camera deployment sites and infrastructure needs.

If the hardware needed to be moved to a new vehicle after the initial install, a move charge would be assessed of \$500 for the hardware.

The new Car System 6.X software is easily installed and deployed by FLPD's in house staff after the initial install and training, therefore, if there was a MDT replacement, that can be done internally. However, if FLPD chose, ELSAG typically charges \$325 for Car System software installation after the initial installation if the reason for reinstallation is not ELSAG system caused.



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REFERENCES

- 1) Pinellas COSO: Jacob Ruberto
(727)453-7893
jruberto@pcsonet.com
Technical Services Division
14500 49th St. North
Clearwater, FL 33762
- 2) Seminole Tribe of Florida : Hilary Poisson
(954) 966-6300
HilaryPoisson@semtribe.com
6300 Stirling Road
Hollywood, FL 33024
- 3) Washington DC Metropolitan Police Department: Lisa Sutter
(202) 492-1150
lisa.sutter@dc.gov
- 4) HIDTA : David Henry
(713) 875-3028
david_henry@houstonhidta.net
15311 Vantage Parkway West, Suite 286
Houston, TX 77032

ADDITIONAL REFERENCES : SEE NEXT PAGE



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ELSA REFERENCES

AGENCY	STATE	TITLE	FNAME	LNAME	EMAIL	PHONE
Braselton Police Dept.	GA	Asst. Chief	Lou	Solis	Isolis@braselton.net	706-654-3915
Round Rock Police Dept.	TX	Officer	Evan	Ratcliff	eratcliff@round-rock.tx.us	806-548-3298
Durham Tax Collector	GA	Tax Administrator	Kimberly	Simpson	ksimpson@co.durham.nc.us	919-560-0306
Snellville Police Dept.	GA	Cpl.	Charles	Coats	cocoats@snellville.org	770-985-7214
Georgia State Patrol	GA	Lt. Criminal Interdiction	Kermit	Stokes	kstokes@esp.net	706-275-2200
Mecklenburg County Sheriff's Office	NC	Sgt.	John	England	John.England@mecklenburgcountync.gov	704-621-7587
Kingsville Police Dept.	TX	Deputy	Richard	Kirkpatrick	rto712@gmail.com	361-522-5923
Gwinnett Sheriff's Office	GA	Corp.	James	Redfern	James.Redfern@gwinnettcountry.com	770-619-6821
Pinellas County Sheriff's Office	FL	System Analyst	Scott	McCallum	smccallum@psosnet.com	727-453-7193
Richland County Sheriff	SC	Major	Jim	Stewart	jstewart@rbsd.net	803-576-3045
Sugar Land Police Dept.	TX	Crime Analyst	Corey	Becker	cbecker@sugarlandtx.gov	281-275-2698
Lee County Sheriff's Office	FL	Mr.	Ed	Palmer	EPalmer@sheriffleeff.org	239-477-1284
USMC Lejune	NC	IAB	Jason	Norris	jason.norris@usmc.mil	910-451-7008
Seminole Tribe of Florida	FL	LPR Project Coordinator	Hilary	Poisson	Hilary.Poisson@semtribe.com	954-966-6300
Houston HIDTA	TX	Director	Mike	McDaniel	fmcdaniel@houstonhidta.net	281-372-5850
Palm Beach Garden Police Department	FL	Sgt.	Robert	Odell	rodell@pbgafl.com	561-799-4505
Columbia Police Dept.	SC	Capt.	Rick	Hines	rhines@columbiasc.net	803-545-3570
New York City Police Dept.	NY	Chief	Jack	Donohue	John.Donohue@nypd.org	917-417-1702
New York State Police	NY	Lt. Colonel	Thomas	Fresenius	thomas.fresenius@troopers.ny.gov	518-457-9579
Paylock, Inc. Parking Solutions	NJ	Mr.	Bart	Blair	blblair@paylock.com	908-595-6900 x102
Virginia State Police	VA	Sergeant	Robert	Alessi	robert.alessi@vsp.virginia.gov	703-323-4520
Maryland State Police	MD	Branch Chief	Colleen	Richarts	colleen.richarts@maryland.gov	301-674-4960
Arlington County Police	VA	Lieutenant	Robert	Deso	rdeso@arlingtonva.us	703-228-4299
Metropolitan Police Department	DC	Program Manager	Lisa	Sutter	lisasutter@dc.gov	202-492-1150
West Virginia State Police	WV	Sergeant	James	Light	lelight@wvsp.state.wv.us	304-746-2807
Montgomery County Police	MD	Corporal	Kevin	Marston	kevin.marston@montgomerycountymd.gov	240-876-0173
Prince George's County Police	MD	Corporal	John	Robeson	jarobeson@co.pg.md.us	240-695-3362
Greenbelt Police Department	MD	Corporal	Gordon	Rose	grose@greenbeltmd.gov	301-474-7200
Chesapeake Police Department	VA	Detective	Nathan	McGanty	nmcganty@cityofchesapeake.net	757-382-6161
Freehold Police Department	NJ	Lieutenant	Lieutenant Dean Smith		D.Smith@twp.freehold.nj.us	732-468-7908
Bridgewater Township Police Department	NJ	Chief	Richard	Borden	rborden@bridgewater.twp.nj.us	908-722-4111
Monmouth County Sheriff's Office	NY	Sheriff	Shaun	Golden	SGolden@mcsoni.org	732-431-7139
Philadelphia Police Department	PA	Sergeant	John	Massi	John.Massi@phila.gov	215-327-9156
Vermont Department of Public Safety	VT	Lieutenant	John	Flannigan	John.Flannigan@state.vt.us	802-524-5993
Redding Police Department	CT	Chief	Douglas	Fuchs	dfuchs@reddingpolice-ct.us	203-938-3400
Danbury Police Department	CT	Chief	Al	Baker	a.baker@danbury-ct.gov	203-797-4611
New Britain Police Department	CT	Officer	Dan	McBride	dgm0344@newbritainct.gov	860-302-0025
Nassau County Police Department	NY	Sgt.	Patrick	Ryder	pryder@PPCN_ORG	516-573-5775
Eastchester Police Department	NY	Sgt.	Kevin	Tiedemann	ktiedemann@eastchester.org	914-497-8876

PART VIII - PROPOSAL PAGES – COST PROPOSAL

Cost to the City: Contractor must quote firm, fixed, rate for all services and in accordance with terms, conditions and specifications identified in this request for proposal. This firm fixed rate includes any costs for travel to the City. No other costs will be accepted.

Failure to use the City's COST PROPOSAL Page and provide costs as requested in this RFP, may deem your proposal non-responsive.

Purchase of automated license plate recognition system (ALPR). To include, but not be limited to: supply, installation and training of the License Plate Recognition System. The ALPR system is to include, but not be limited to, six (6) Automatic License Plate Recognition vehicle systems, including the necessary "In-vehicle" equipment and back office software per specifications. Including 1 year warranty for parts and labor.

TOTAL FIRM FIXED FEE (written)

\$ 102,271.87

Cost for additional years of Maintenance

Year Two: 9,313.29

Year Three: 9,313.29

Year Four: 9,313.29

**GRAND TOTAL FOR SYSTEM AND FOUR YEARS OF MAINTENANCE
(WRITTEN)**

\$ 130,211.75



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MPH900™ Mini Split LPR System License Plate Recognition



Figure 1: Trunk Mounted Mini Split



Figure 2: Roof Mounted Mini Split Camera

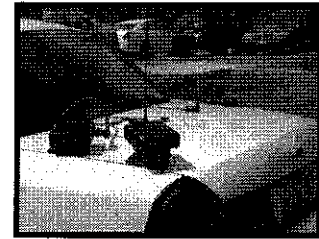


Figure 3: Trunk Mounted 3 Camera
Mini Split

The Mini Split Camera can be deployed as a permanent or transportable plate reader system.

The product is suitable for:

- All vehicle makes and models.
- Compact design allows the ANPR to fit in light bars on top of patrol cars or as a standalone unit attached by magnetic clips. Unit is easily and rapidly transferable to a variety of police vehicles.
- Processor unit is the size of a small box for easy storage in trunk of a vehicle.
- The MPH-900 Mini Split License Plate Reader requires less than 60W of 12V DC to function.

The all-weather enclosure contains two cameras: a B/W camera (with one IR illuminator) and one color overview camera. The B/W camera connected with an IR illuminator is designed to tackle variations of lighting conditions, from night to full sunlight.

For each plate read, the color camera provides the overview image of the vehicle.

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MPH900™ MINI SPLIT SYSTEM CAMERA SPECIFICATIONS

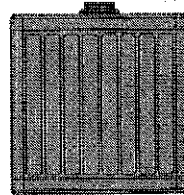
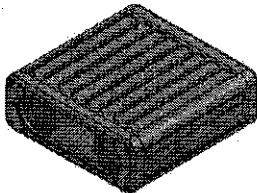


Figure 4: Mini Split Camera Views

MINI SPLIT CAMERA SYSTEM SPECIFICATIONS	
B/W CAMERA	Progressive Scan CCD (12-50 mm available)
Color Camera	Ex-View CCD Pal Video Format (6-25 mm available)
Optics Interface	C Mount
IR Illumination	Std. 735 nm discrete LED, driven w/ high current pulses synchronized with camera shutter (810 - 880 nm available)
Camera Interface	Proprietary 23 pin connector IP67 rated
Camera Communication Protocol	LVDS Digital Interface
Optics	50mm, 35mm, 25mm, 16mm (Black/White reading camera)
Operating Temperature	-40 - 55°C (-40 - 131°F)
Environmental	Internal Heater
Housing Protection	IP67
Operating Humidity	10-90% non condensing
Overall Size	50.80 mm x 142.88 mm x 154.45 mm (without base) 2.00" x 5.63" x 6.08" inches (without base)
Camera Weight	2.8 lbs/1.27 kg (without base)
Camera Base Options	Magnet Mount, Hedley Mount, Clicker Base Mount, Permanent Bulkhead Mount, Whelan Lightbar Interface Mount
Safety Feature	Class 1 Illuminator, EN60825-1

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MPH900™ MINI SPLIT PROCESSOR UNITS

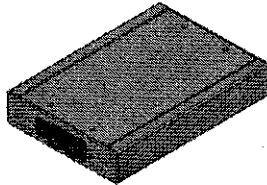


Figure 5: Single Camera Processor

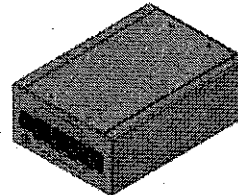


Figure 6: Two Camera Processor

MINI SPLIT PROCESSOR SPECIFICATONS	
Processing Board	Multi-processor unit including a DSP, a FPGA and a Linux-based microcontroller
IR Power Supply	2.5 A or 5 A pulsed current
Input Power	12 V from vehicle battery and ignition key 12 V signal
Interfaces	2 Mil-spec IP67
Housing Protection	IP65
Network Switch	100 Mbit fast Ethernet adapter
Data packet	For each Read system generates; <ul style="list-style-type: none"> - Read License Plate String - Date-Time Stamp - Camera Identifier - JPEG compressed Grayscale and color overlay JPEG of the plate
Optical Character Recognition Training	Regionalized OCR optimization
Operating Temperature	-40 - 55°C (-5 - 131°F)
Operating Humidity	10-90%
Processor Dimensions	20.32" x 27.94" x 10.16" cm 8" x 11" x 4" inches
Weight	2.4kg (5.3 lbs)
Vanity and Special Plates	A special algorithm allows reading non-structured vanity and special plates.
Non-reflective plates	An enhanced power illuminator and special low-contrast algorithms allow system to achieve

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	accurate results where non-reflective plates are in use.
Red ink character plates	IR illumination unique wavelength allows the system to have accurate results on red ink plates where higher wavelength IR cameras fail to get the necessary contrast.
Software Suite	CD ROM includes <ol style="list-style-type: none"> 1. Touch screen enabled on-board User Interface with live display of plate reads, alarms management, Hot List management, shift reporting, and data export. 2. Fast bulk-loading hot list software (from USB thumb drive)
Documentation	Software Installation Manuel and User Manual

MPH900™ GLOBAL POSITIONING SYSTEM ANTENNA

ANTENNAE SPECIFICATIONS	
Interface	USB
Datum	WGS-84
GPS protocol	NMEA or Garmin
Data Rate	4800 bps

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MPH900™ CARSYSTEM 6.0 SOFTWARE SUITE



CARSYSTEM SOFTWARE SPECIFICATONS	
Operating System Capability	All released versions of Microsoft Windows XP, Vista and 7 operating systems.
Connectivity	The system is capable downloading Hot-List data files and uploading LPR Detection and Hot records via the following methods: <ul style="list-style-type: none"> • 802.11 • Cellular • Broadband • Wi-Fi
Buffering	All records are buffered if connectivity to the server is interrupted. Once connection is restored, all data transactions that occurred during the interruption are updated in the order of their priority.
Comprehensive Search Utility	Search mechanism enables the operator to search manually: all vehicle detection records, all Hot List records, and/or all Hit activities. Searches can be performed using partial license plate entries
Custom Note Capabilities	The system allows operators to add customized notes to all records and upload them to the server for use by all other operators
System Integrity and Change Tracking	Each record is dealt with as precious information that should never be lost under reasonable operating conditions. The database engine allows for data changes to be made as an atomic operation, which protects against any data corruption as a result of sudden power loss or temporary storage hardware failure. Protection for committed data will also be provided by the database page checksums.

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	Changes are tracked via history tables in the database. This is done for replication to the server database, for auditing purposes, and for record integrity. Changes/audits are searchable on the server and maintain their own retention logic settings.
Data Transmission	The central server has a persistent connection to all in-car systems. Immediately on any change applicable to a particular system, the server transmits updates to Hot Lists and receives all new Reads and Alarm records generated by the in-car system. The communication uses history tables in the in-car system's database to determine what changes must be transmitted between the two systems.
Alarm Notification	While the in-car system is communicating with the server, it transmits all Alarms and Reads to the server. When the server receives an Alarm, and as it processes each Alarm, it checks to see if the Alarm is of a type that requires an email address for notification. If it is, it generates and transmits an email with the Alarm information to that email address. Additionally, whenever an alarm occurs, if the ELSAG Tactical Operations System is running in conjunction with CarSystem, it will send a simultaneous notification to the dispatcher and to other vehicles that are subscribed to that event.
Filtering	Hot lists can be filtered by location (geo-fencing) or by any other search parameter. Hit visibility is determined based on access levels to the particular agency containing that list and the user's current agency
Data Queuing	All data records in queue waiting for transmittal are prioritized by type. A hit's text data, followed shortly by its image data, is always sent before anything else, except confirmations of data received (when in full duplex operation). Additionally, large objects like images, are sent in chunks so that they can be interrupted immediately in case of very high priority data such as hits to be sent. Interrupted transfers will continue where they were left off once network connectivity returns and/or the critical priority data has completed transmission.
Log-In Credentials/Authentication/Privileges	The system allows any number of operators to log into the in-vehicle system. The system administrator controls login credentials. The

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	<p>administrator can set a user's privileges in such a way that they may or may not customize the default settings of certain in-car system features.</p> <p>The system provides each user a unique account. Each account has a user-modifiable profile associated with it. The profile allows the operator to choose the default settings for things like type of alarms that will sound, display language, volume settings, etc.</p> <p>After completing operator authentication, the in-car system will communicate with the central server and synchronize the Hot Lists on the car so that the in-car database contains data only for those Hot Lists that the operator has access to.</p>
<p>Collection and Retention of LPR Data</p>	<p>The system currently captures the following information when a license plate is read:</p> <ul style="list-style-type: none"> • The date/time the image was taken; • The date/time the read was recorded in the database; • The ID of the user who was operating the vehicle; • The ID of the organization that owns the record; • The license plate as read by the camera; • The state of the license plate, as determined by the camera; • The country of the license plate, as determined by the camera; • The camera's confidence in the read, on a scale of 1 to 100; • The ID of any Alarm group that was generated from this read; • The latitude of the car's position at the time the read was generated; • The longitude of the car's position at the time the read was generated; • The error radius associated with the car's position; • The car's east to west speed; • The car's north to south speed; • The ID of the group associated with the data owner



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	<p>Each license plate read occupies up to 140 bytes, plus the images. A color overview image occupies about 40K bytes on average while a black and white plate image occupies about 12K on average. That gives a total of about 53K bytes on average per read.</p> <p>The individual read records are maintained in the in-car system's database for a period of time that is set by the system administrator. The retention period can be set to any length desired. Removal of data from the server takes place in the order of oldest records first.</p>
<p>Connection Between CarSystem and Servers</p>	<p>The in-car software periodically connects to the central server automatically and checks for updates to Hot Lists. The update frequency can be configured by the system administrator.</p> <p>The in-car system connection to the server is constantly being monitored and displayed to the user. It also allows the operator to send test messages to the server at any time to ensure proper communication.</p>
<p>Alarm Stacking</p>	<p>After receiving a read from one or more cameras, the in-car system checks for Hot List matches automatically, no matter what the operator is doing with the front-end software. Each match raises an Alarm; all alarms are "stacked" until the operator acknowledges them or they time-out.</p>
<p>Camera Displays</p>	<p>The in-car system can display up to four (4) camera views on the same screen at once. Each view can be toggled between color and IR images and will display a live stream of the reads and data coming from that particular camera.</p>
<p>Alarm/Hit Screen Display</p>	<p>The system Alarm or 'Hit' Screen includes:</p> <ul style="list-style-type: none"> • Hot-List alert name or type • The Hot-List source name (i.e. US-NCIC, CA-DOJ, etc.) • Includes date the Hot-List record was created or made active • Two images – color overview of vehicle & infrared of license plate • Each image shall allow user to view in full screen via double click • OCR interpretation of plate • GPS coordinates for location • Narrative comment text, Hot-List notes

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	<p>available</p> <ul style="list-style-type: none"> • Registered Owner • Vehicle parameters (i.e. make, model, color, etc.) • Camera designated name that scanned matching vehicle • Detection rating to allow the User to: • Designate if read is correct/incorrect • Correct plate read if incorrect
<p>GUI Operation Indicators</p>	<p>The system GUI provides the following operational status indicators to alert the operator when an error or failure has occurred within the system.</p> <ul style="list-style-type: none"> • Wireless connectivity status between system and ALPR server is either connected or not connected with reason code • GPS satellite signal status indicating if properly receiving with live coordinate display or if not receiving signal with reason code • ALPR camera status of both color and infrared cameras indications if system is receiving video or not receiving video with reason code • ALPR processor status indicating if ALPR processor is properly functioning or if not functioning with reason code
<p>Manual Hot-List Entry</p>	<p>Assuming the administrator has given the necessary permissions, an operator can enter a Hot List record that includes:</p> <ul style="list-style-type: none"> • License plate number • State of registration • Alert Name w/ priority status • Up to three custom note fields with titles • Up to 255 character vehicle comment with subject • Set an expiration time period for the Hot-List record to remain active. Subsequent to the expiration date, the Hot-List record shall automatically be rendered as inactive • Distribution to all ALPR systems, server, recorded in the database (and made available to Users with appropriate



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	<p>permissions) and then automatically redistributed through the ALPR network to allow all ALPR systems to receive the Hot-List record as an active target vehicle in which to alert upon.</p> <ul style="list-style-type: none">• Notify (via an alert) the user who entered the record prior to the expiration date.
System Response Time	The system compares a captured plate against multiple large databases comprising of more than 3,000,000 records with a less than 2-second response time.
GUI Light Setting Modes	The system GUI is available in both a daytime and nighttime modes that is selectable by the operator if permission is granted by the system Administrator. Nighttime viewing mode decreases the light emitted from the screen during dark nighttime conditions.



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View of Camera

Camera Size:

- Standard 16mm (covers 12 feet wide by 15 feet long) and 25mm (covers 12 feet wide by 24 feet long). Only one camera on the right is required to perform all plate reading missions including adjacent lanes or parked vehicles (90° or diagonal or parallel parked).
- We are only company that offers a 50mm camera for mobile use. Typically mounted on the left side of the vehicle, this third camera provides additional lane coverage on wide three or four lane roads.

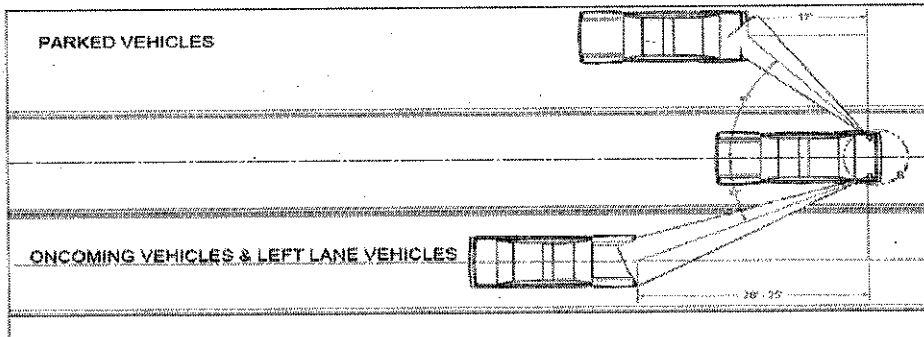


Figure 7 - Camera Range

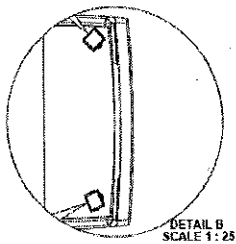


Figure 7- A two camera configuration with trunk mount



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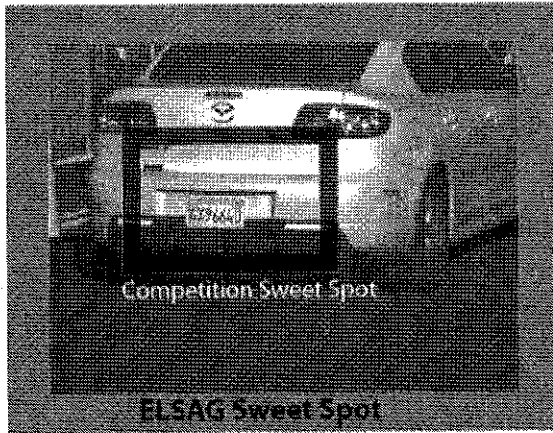


Figure 8 - Camera Snapshot comparable to competition.

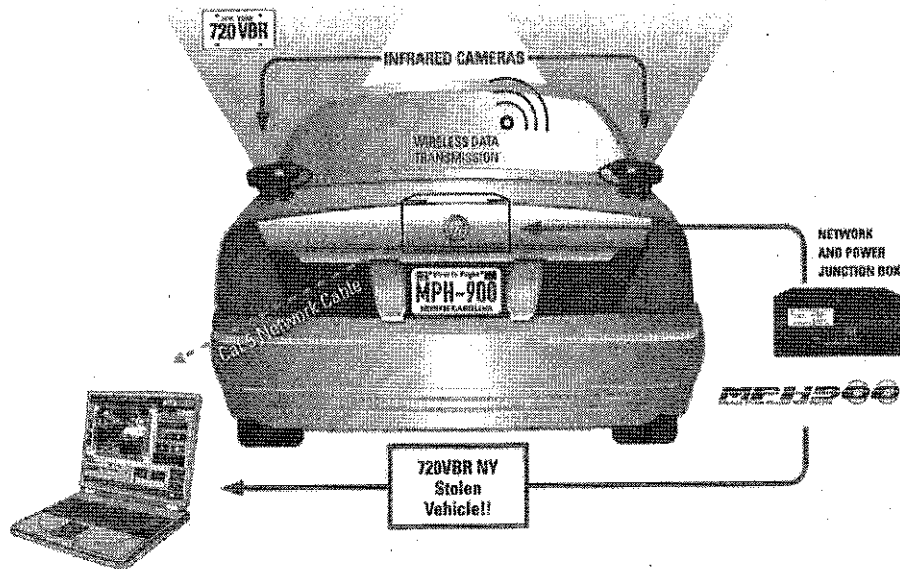
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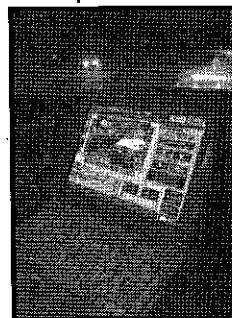
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HOW IT WORKS



- Infrared cameras read plates of parked and moving vehicles across 4 lanes of traffic.
- Processor Box compares data with Hot List records of suspect vehicles
- Wireless connectivity sends images to software uploaded on Mobile Data Terminal (MDT).
- Alarm sounds when suspect vehicle is passed.



MDT

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Compatibility with on-board PC or Mobile Data Terminals

The LPR cameras need an on-board PC to host the user interface.

It is usually possible to utilize existing Mobile Data Terminals (MDT) if they comply with the following minimal requirements

- PIV 700 MHz with 512 MB
- 800X600 minimal display Resolution
- 5 GB hard disk space available
- LAN data port for connecting the PC to the Processing Unit (the Unit must have STATIC IP addresses); if an on-board LAN is already present, a switch port must be available and the IP address of the unit can be adapted for the existing IP class. If a firewall is present, UDP and TCP traffic shall be enabled between the PC and the Unit.
- USB 2.0 port
- XP Professional SP3 or Windows 2000 Professional SP4
- The Hot List is a standard TXT file and must be generated by the User. The hot list file is the database of the wanted plates and shall be downloaded onto the on-board PC by means of a USB memory stick. It is also possible to download the Hot List wirelessly by means of Wi-Fi or cellular broadband.
- The on-board MDT may be optionally touch screen enabled
- GPS devices, compliant with NMEA 0183 version 2.0 or later, can be installed on any serial (COM) or USB port; if available all the read license plate could be associated to a location for further analysis.



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Operations Center Software Suite

(to be ordered as a separate item)

When a fleet of cars are equipped with MPH™900 or if it is preferable to have a separate workstation placed in an office environment for after action analysis, the optional Operation Center software is the right solution. Wireless communication capability allows automatic Hot List download and mission data upload. Every time a car moves within the operating range of the wireless device, an automatic data download session is initiated, including the most updated hot list.

OP-Center provides archiving of all the collected data (both alarms and normal reads) as well as database search functions. A mapping module allows the system to display alarms and reads on a map.

If a Wi-Fi infrastructure is not available, it is possible to utilize the Manual Data Download Module that allows moving statistics, data and images of every read plate from each car to a central server that provides data consolidation and overall statistics.

Cellular high-speed networks (such as ED-VO, Verizon Aircard) are also supported.

Wireless network deployment and installation is not included. The design of the wireless network can be provided as a separate service.

Not Included:

OP-Center Server PC with the following minimal requirements.

This Server configuration is valid for less than 5 mobile units and data storage for up to 6 months.

If the requirements exceed these constraints the Server specification must be evaluated on a case by case basis.

- Pentium IV 2 GHz
- 2 GB RAM
- 120 GB Hard Disk

Software

- XP Professional Service Pack 3
- Windows 2000 Professional
- Windows 2003 Server

MPH900 Hot List Input Format

Adaptation software will be provided to convert any kind of input text file into the proprietary system format.

Maintenance and Support

Warranty Year 1	Included
On Site Training	Included
Phone Support	Included

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