

SPECIFICATIONS
AUTOMATED LICENSE PLATE RECOGNITION SYSTEM
BID NO. 1649-112310

The City of High Point is seeking proposals for an Automated License Plate Recognition System.

The specifications below give a general description of the characteristics and performance expected of the proposed system. The proposed system is to include all cameras, mounting hardware, computer hardware, software, accessories, labor and equipment necessary to provide a turnkey installed system.

Bidders shall supply with their bid, complete descriptive literature and specifications for offered equipment. Include any information which you think may be pertinent to the evaluation.

Hardware Specifications:

- The Cameras must be small and light weight enough, to attach to the vehicle's emergency lightbar so as not to obstruct or otherwise hinder visibility to the lightbar. Mounting bracket shall be furnished by the vendor
- Vendor shall also be capable of providing brackets for trunk lid mounts. These brackets must easily allow for rotation, tilt, and yaw adjustments.
- The system must be comprised of Infrared (IR) Cameras for effective license plate image capture in a variety of weather and lighting conditions.
- The Cameras must be capable of producing multiple license plate images with varying flash, shutter and gain settings to ensure a high quality image regardless of weather or lighting conditions.
- Cameras must be capable of scanning licenses plates of passing cars in seconds.
- Camera to include at a minimum: Camera processor, cable/connector(s), Client/server architecture, bracket mount assemblies.

ALPR Processor:

- The system must provide the customer with the ability to integrate to their existing MDC using Client – Server architecture in order to minimize processor usage on their existing MDC.
- The Automated License Plate Recognition (ALPR) Processor must be capable of detecting the presence of lawfully mounted vehicle license plates in the Cameras' Field of View (FOV) for image capture from the camera.
- The ALPR Processor must be designed to be trunk mounted and must incorporate an intelligent Power Supply Unit (PSU) that provides for a safe start-up and shut – down each time the vehicle's ignition is turned on and turned off.
- The ALPR Processor must control the power supplied to the Cameras and provide video connection points for simplified system wiring.
- Processor shall translate digital pictures into data, cross-reference that information with databases for wanted drivers, and relaying the information to police personnel instantaneously.
- The system shall return an alarm to the operator instantaneously and provide instant feedback and direction of the suspect vehicle. Audible and visual alarms inform the officer of the vehicle's location and the infraction related to the alarm.

- The ALPR Processor must be designed to meet the environmental conditions associated with a trunk-mounted unit.

Client (In Vehicle) Software Specifications

- The application software that resides in the police unit must provide for a User Name and Password as assigned by the System Administrator within the back office server software.
- System Software for system administration, data analysis and data storage, data mining, reporting, mapping via Google Maps, remote alerting, and networking in support of inter-agency data sharing.
- **Software to include one administration and 2 concurrent User Licenses.**
- The system must have the feature that allows "hot list" databases to be created either from within the server software or in the field by authorized users whereby authorized users must have the capability to add license plate data to the system's database/s while in the field. All license plate data added by the authorized user will remain a part of the selected database until the database is 'overwritten' by the System Administrator or by a new or updated database(s).
- The system must provide live, simultaneous video display of all of the following data for any Cameras as selected by the user:
 - The IR License Plate Image
 - The license plate interpretation or system read
 - A corresponding color overview image of the vehicle displaying the captured IR license plate
 - The date and time stamp
 - Identification of the Camera capturing the image
 - The GPS Coordinates for every license plate captured by the system
- The Hit Screen must remain displayed until acknowledged by the officer, *and* while displayed, the system must continue to process license plate data in the background and all captured data must be stored in the system during this interval.
- In the event that a subsequent "match or hit" should occur while the original Hit Screen is displayed to the officer, the system must alert the officer that a second or subsequent "hit" occurred and the system is waiting for the officer's intervention.
- The system must provide the System Administrator with the ability to customize audible alerts to differentiate between unique events within the software application.
- The system must provide a visual alert for each defined event that displays in the foreground regardless of other applications in use at that time.
- The system must provide the officer with the capability to mark a license plate read as a "misread."
- The system must provide the officer with the capability to manually enter a license plate for the purpose of searching that license plate against the system's database(s).
- The system must provide the officer with the capability to review all of the following:
 - "hits"
 - license plate images and associated data
 - license plate searches performed by the officer indicating the date and time the search was conducted
 - misreads

- The system must provide the officer with the ability to query the client software application to determine if a particular license plate has been captured in the system. If the license plate data is in the system, the officer must have the ability to review each license plate capture and the associated system data displayed on the Review Screen to include:
 - The IR License Plate Image
 - The corresponding color overview image of the vehicle
 - The date and time stamp and
 - The GPS coordinates
- The system must be capable of capturing license plates in any of the following modes: (a) an adjacent lane on either side of the police vehicle while driving through traffic and/or parking lots; (b) traffic in an adjacent lane while parked on the side or shoulder of a roadway; (c) any parking application from parallel to perpendicular parked car orientation with respect to the movement of the police vehicle and (d) an adjacent lane to capture the rear license plate of the vehicle as it passes the police unit or vice versa

Server Software Specifications

- As part of the overall system and functionality, a server software application must be provided so the customer can manage all the data collected by the various ALPR deployment (client applications), manage the database functions and manage the user administration functions.
- The system shall allow monitoring and management of both fixed, mobile, and portable ALPR units (devices) within the same application. Devices shall be able to be assigned to Sites for ease of management.
- The successful vendor must provide on-site system training for the system users and the System Administrator/s.
- The successful vendor must provide system installation
- All system documentation must be furnished in electronic format.

Standards and Testing Requirements

- The ALPR Cameras must meet "eye safe" certification standards, as established by an international testing agency.
- The ALPR Cameras must be sealed to IP67 Standards.
- The ALPR Cameras must meet BS EN 60068 2-27 requirements for Mechanical Shock.
- The ALPR Cameras must meet Mil. Std. 810F method 516.5, Procedure V requirements for Shock Crash Hazard.
- The ALPR Cameras must meet all the requirements set forth in:
 - Electrostatic Discharge (ESD), EN 61000-4-2 and
 - Radiated Emissions, FCC Part 15 and EN 5502

INSTRUCTIONS TO BIDDERS

GENERAL: All bids are subject to the provisions of the attached General Contract Terms and Conditions. All bid responses will be controlled by the Terms and Conditions included by the City of High Point. Bidder terms and conditions included as a part of published price lists, catalogs, and/or other documents submitted as a part of the bid response are waived and will have no effect either on the bid, or any contract which may be awarded as a result of this bid. **The attachment of any other terms and conditions may be grounds for rejection.**

Bidder specifically agrees to the conditions set forth in this paragraph by signature of the "BID" contained herein.

Pursuant to G.S. 143-48 and Executive Order No. 77, the State invites and encourages participation in this procurement by a business owned by minorities, women, and the handicapped.

MAKE AND MODEL: Indicate manufacturers' name and model number of item offered in the spaces provided on the quote form. The purpose of these specifications is to identify and establish general quality level desired. References to any Brand Names are not intended to be restrictive and comparable products of other manufacturers will be considered. However, bidders are cautioned that any deviation from specifications must be pointed out in their bid.

WARRANTY: Bidder guarantees equipment offered by him to be free from any and all defects in material and workmanship and warrants same for a period of one (1) year unless otherwise stated in the specifications. Such warranty is to cover the cost of all service, parts, labor and travel to and from points of service.

SPECIFICATIONS: Manufacturer's name and catalog numbers used in this bid are product specific unless the description states equivalent acceptable. These products are required for compatibility and continuity of support.

BID EVALUATION: The City of High Point reserves the right to reject any bid on the basis of the function, compatibility with user requirements, as well as cost. The City of High Point reserves the right to award this contract to a single overall bidder on all items, or to make award on the basis of individual items or groups of items, whichever shall be considered by the City of High Point to be most advantageous or to constitute its best interest. Bidders should show unit prices, but are requested to offer a lump sum price. The City of High Point will not be bound by oral discussions during evaluation process. Responsible purchasing agent should approve all contact regarding this award.

CANCELLATION: The City of High Point may terminate/cancel this contract at any time by providing written notice to the bidder at least thirty (30) days before the effective date of termination/cancellation.

SERVICE: Adequate and satisfactory availability of repair parts and supplies, and ability to meet warranty and service requirements are necessary. The City of High Point reserves the right to satisfy itself by inquiry or otherwise as to bidder's capability in this regard.

SAFETY: See attached General Terms & Conditions #11.

BID RESULTS: For bid results email purchasing@highpointnc.gov NO EARLIER than TWO DAYS following the bid close date.

****THE CITY OF HIGH POINT WILL NOT BE BOUND BY ORAL DISCUSSION REGARDING THIS REQUEST FOR BID. ****

QUESTIONS: Questions regarding the specifications on this bid should be referred to the purchasing agent.

SPECIAL INTEREST GROUP DEFINITIONS:

Women Owned (51% and controlled by Women)

Handicapped Owned (51% owned & controlled by a Physically Handicapped Person)

Minority Owned (At least 51% of which is owned and controlled by minority group member. (Black, Asian, Hispanic, American Indian)

GENERAL TERMS AND CONDITIONS

1. **ACCEPTANCE AND REJECTION:** The City of High Point reserves the right to reject any and all bids, to waive any informality in bids, and unless otherwise specified by the bidder, to accept any item in the bid. If either a unit price or extended price is obviously in error or the other is obviously correct, the incorrect price will be disregarded.

2. **TIME FOR CONSIDERATION:** Unless otherwise indicated on the first page of this document, the offer shall be valid for 45 days from the date of bid opening. Preference may be given to bids allowing not less than 45 days for consideration and acceptance.

3. **TAXES:** No taxes shall be included in any bid prices.

a. **FEDERAL:** Generally, states and political subdivisions are exempt from such taxes, as excise and transportation. Exemption is claimed under Registry No. 56-70-0047K as provided by Chapter 32 of the Internal Revenue Code.

b. **OTHER:** Bid prices are not to include any sales, import, or personal property taxes. To the extent applicable, they are to be invoiced as a separate item(s)

4. **PRICE ADJUSTMENTS:** Any price changes, downward or upward, which might be permitted during the contract period, must be general, either by reason of market change or on the part of the bidder to other customers.

a. **NOTIFICATION:** Must be given to the City of High Point Purchasing Department, in writing, concerning any proposed price adjustments. Such notification shall be accompanied by copy of manufacturers' official notice or other evidence that the change is general in nature.

b. **DECREASES:** The City of High Point shall receive full proportionate benefit immediately at any time during the contract period.

c. **INCREASES:** All prices offered herein shall be firm against any increase for 180 days from effective date of the proposed contract. After this period, a request for increase may be submitted with the City of High Point reserving the right to accept or reject the increase, or cancel the contract. Such action by the City of High Point shall occur not later than 15 days after receipt and review by the City of High Point of a properly documented request for price increase. Any increases accepted shall become effective on a date to be determined by the City of High Point which:

1) Shall not be later than 30 days after the expiration of the original 15 days reserved by the City of High Point to evaluate the request for increase;

d. **INVOICES:** It is understood and agreed that orders will be shipped at the established contract prices in effect on dates orders are placed. Invoicing at variance with this provision will subject the contract to cancellation. Applicable North Carolina sales tax shall be invoiced as a separate item.

5. **PAYMENT TERMS:** Payment terms are Net 30 days after receipt of correct invoice or acceptance of goods, whichever is later. The City of High Point is responsible for all payments under the contract.

6. **AFFIRMATIVE ACTION:** The successful bidder will take affirmative action in complying with all Federal and State requirements concerning fair employment and employment of the handicapped, and concerning the treatment of all employees, without discrimination by reason of race, color, religion, sex, national origin, or physical handicap.

7. **CONDITION AND PACKAGING:** Unless otherwise indicated in the bid, it is understood and agreed that any item offered or shipped on this bid shall be new and in first class condition, that all containers shall be new and suitable for storage or shipment, and that prices include standard commercial packaging.

8. **PERFORMANCE BOND AND DEFAULT:** The City of High Point reserves the right to require performance bonds from successful bidder, as provided by law, without expense to the City. Otherwise, in case of default by the Bidder, the City may procure the articles or services from other sources and hold the Bidder responsible for any excess cost occasioned thereby. Default shall occur if the Bidder fails to perform any obligation under the contract and schedule and such failure remains uncured for more than thirty (30) days after receipt of written notice thereof from the City of High Point.

9. **SAMPLES:** Samples of items, when required, must be furnished as stipulated herein, free of expense, and if not destroyed will, upon request, be returned at the bidder's expense. Request for the return of samples must be made within 10 days following opening of bids. Otherwise the samples will become City of High Point property. Each individual sample must be labeled with bidder's name and item number. Samples, on which an award is made, will be retained for the contract period. These will be returned, if requested, ten days prior to expiration of the contract.

10. **SPECIFICATIONS:** Any deviation from specifications indicated herein must be clearly pointed out; otherwise, it will be considered that items offered are in strict compliance with these specifications, and successful bidder will be held responsible therefore. Deviations must be explained in detail on an attached sheet(s).
The bidder shall not construe this paragraph as inviting deviation or implying that any deviation will be acceptable.

11. **SAFETY STANDARDS:** All manufactured items and/or fabricated assemblies subject to operation under pressure, operation by connection to an electric source, or operation involving a connection to a manufactured, natural, or LP gas source shall be constructed and approved in a manner acceptable to the appropriate state inspector which customarily requires the label or re-examination listing or identification marking of the appropriate safety standard organization, such as the American Society of Mechanical Electrical Engineers for pressure vessels; the Underwriters' Laboratories and/or National Electrical Manufacturers' Association for electrically operated assemblies; or the American Gas Association for gas operated assemblies, where such approvals of listings have been established for the type(s) of devices offered and furnished. Further, all items furnished by the successful bidder shall meet all requirements of the Occupational Safety and Health Act (OSHA), and state and federal requirements relating to clean air and water pollution.

All bidders must comply with *North Carolina Occupational Safety and Health Standards for General Industry, 29CFR 1910*. Construction bidders must comply with *North Carolina Occupational Safety and Health Standards for the Construction Industry, 29CFR 1926*. In addition, bidders shall comply with all applicable occupational health and safety and environmental rules and regulations. Bidders shall effectively manage their safety and health responsibilities including:

1. **Accident Prevention**

Prevent injuries and illnesses to their employees and others on or near their job site. Bidder managers and supervisors shall ensure employer's personnel safety by strict adherence to established safety rules and procedures.

2. **Environmental Protection**

Protect the environment on, near, and around their work site by compliance with all applicable environmental regulations.

3. **Employee Education and Training**

Provide education and training to all bidders employees before they are exposed to potential workplace or other hazards as required by specific OSHA Standards.

12. **INFORMATION AND DESCRIPTIVE LITERATURE:** Bidders are to furnish all information requested and in the spaces provided on the bid form. Further, as may be specified elsewhere, each bidder must submit with his proposal: cuts, sketches, descriptive literature and/or complete specifications covering the products offered. Reference to literature submitted with a previous bid does not satisfy this provision. Bids, which do not comply with these requirements, will be subject to rejection.

13. **PROMPT PAYMENT DISCOUNTS:** Bidders are urged to compute all discounts into the price offered. If a prompt payment discount is offered, it will not be considered in the award of the contract except as a factor to aid in resolving cases of identical prices.

14. **AWARD OF CONTRACT:** As directed by statute, qualified bids will be evaluated and acceptance made of the lowest and best bid most advantageous to the City of High Point as determined upon consideration of such factors as: prices offered; the quality of the articles offered; the general reputation and performance capabilities of the bidders; the substantial conformity with the specifications and other conditions set forth in the bid; the suitability of the articles for the intended use; the related services needed; the date or dates of delivery and performance; and such other factors deemed by the City to be pertinent or peculiar to the purchase in question. Unless otherwise specified by the City or the bidder, the City reserves the right to accept any items or groups of items on a multi-item bid.

The City reserves the right to make partial, progressive or multiple awards: where it is advantageous to award separately by items; or where more than one supplier is needed to provide the contemplated requirements as to quantity, quality, delivery, service, geographical areas; other factors deemed by the City of High Point to be pertinent or peculiar to the purchase in question.

15. **GOVERNMENTAL RESTRICTIONS:** In the event any Governmental restrictions may be imposed which would necessitate alteration of the material, quality, workmanship or performance of the items offered on this proposal prior to their delivery, it shall be the responsibility of the successful bidder to notify the City of High Point Purchasing Department at once, indicating in his letter the specific regulation which required such alterations. The City of High Point reserves the right to accept any such alterations, including any price adjustments occasioned thereby, or to cancel the contract.

16. **M/WBE:** Pursuant to General Statute 143-48 and Executive Order #77, the City of High Point invites and encourages participation in this procurement process by businesses owned by minorities, women, and the handicapped.

17. **INSURANCE:**

Coverage - During the term of the contract, the bidder at its sole cost and expense shall provide commercial insurance of such type and with such terms and limits as may be reasonably associated with the contract. As a minimum, the bidder shall provide and maintain the following coverage and limits:

- a. **Worker's Compensation** - The bidder shall provide and maintain Worker's Compensation Insurance, as required by the laws of North Carolina, as well as employer's liability coverage with minimum limits of \$150,000.00, covering all bidders' employees who are engaged in any work under the contract. If any work is sublet, the bidder shall require the subcontractor to provide the same coverage for any of his employees engaged in any work under the contract.

- b. **Commercial General Liability** - General Liability Coverage, on a Comprehensive Broad Form on an occurrence basis in the minimum amount of \$500,000.00 Combined Single Limit. (Defense cost shall be in excess of the limit of liability.)
- c. **Automobile** - Automobile Liability Insurance, to include liability coverage, covering all owned, hired and non-owned vehicles, used in connection with the contract. The minimum combined single limit shall be \$150,000.00 bodily injury and property damage; \$150,000.00 uninsured/under-insured motorist; and \$1,000.00 medical payment.

Requirements - Providing and maintaining adequate insurance coverage is a material obligation of the bidder and is of the essence of this contract. All such insurance shall meet all laws of the State of North Carolina. Such insurance coverage shall be obtained from companies that are authorized to provide such coverage and that are authorized by the Commissioner of Insurance to do business in North Carolina. The bidder shall at all times comply with the terms of such insurance policies, and all requirements of the insurer under any of such insurance policies, except as they may conflict with existing North Carolina laws or this contract. The limits of coverage under each insurance policy maintained by the bidder shall not be interpreted as limiting the bidder's Liability and obligations under the contract. It is agreed that the coverage as stated shall not be canceled or changed until thirty (30) days after written notice of such termination or alteration has been sent by registered mail to the City of High Point Purchasing Department.

18. PATENTS AND COPYRIGHTS: The Bidder shall hold and save the City of High Point, its officers, agents, and employees, harmless from liability of any kind, including costs and expenses on account of any patented or unpatented invention, articles, device or appliance manufactured or used in the performance of this contract, including use by the government.

Any and all copy, art, designs, negatives, photographs, or other tangible items created pursuant to bidder's performance of this project shall be the property of City of High Point and shall be delivered to City upon completion of the project. Such property shall be transferred to City in excellent, reusable condition.

In addition, the copyright in and to any copyrightable work, including, but not limited to, copy, art, negatives, photographs, designs, text, software, or documentation created as part of the bidder's performance of this project shall vest in the City, and the bidder agrees to assign all rights therein to the City. Bidder further agrees to provide the City with any and all reasonable assistance, which the City may require to obtain copyright registrations or to perfect its title in any such work, including the execution of any documents submitted by the City.

19. PATENT AND COPYRIGHT INDEMNITY: BIDDER will defend or settle, at its own expense, any action brought against Customer to the extent that it is based on a claim that the product(s) provided pursuant to this agreement infringe any U.S. copyright or patent; and will pay those costs, damages and attorney's fees finally awarded against Customers in any such action attributable to any such claim, but such defense, settlements and payments are conditioned on the following (1) that BIDDER shall be notified promptly in writing by Customer of any such claim; (2) that BIDDER shall have sole control of the defense of any action on such claim and of all negotiations for its settlement or compromise; (3) that Customer shall cooperate with BIDDER in a reasonable way to facilitate the settlement of defense of such claim; (4) that such claim does not arise from Customer modifications not authorized by the BIDDER or from the use of combination of products provided by the BIDDER with products provided by the Customer or by others; and (5) should such product(s) become, or in the BIDDER's opinion likely to become, the subject of such claim of infringement, then Customer shall permit BIDDER, at BIDDER's option and expense, either to procure for Customer the right to continue using the product(s), or replace or modify the same so that it becomes non-infringing and performs in a substantially similar manner to the original product; or (c) upon failure of (a) or (b) despite the reasonable efforts of the BIDDER for a sold product or licensed software, return the price paid for the licensed software and any product dependent thereon.

20. ADVERTISING: Bidder agrees not to use the existence of this contract or the name of the City of High Point as a part of any commercial advertising without prior approval of the City of High Point Purchasing Department.

21. EXCEPTIONS: All proposals are subject to the terms and conditions outlined herein. All responses will be controlled by such terms and conditions and the submission of other terms and conditions, price catalogs, and other documents as part of a Bidder's response will be waived and have no effect on this Request for Proposal or any other contract that may be awarded resulting from this solicitation. The submission of any other terms and conditions by a Bidder may be grounds for rejection of the Bidder's proposal. The Bidder specifically agrees to the conditions set forth in the above paragraph by affixing his name on the signatory page contained herein.

22. CONFIDENTIAL INFORMATION: As provided by statute and rule, the City of High Point will consider keeping trade secrets which the bidder does not wish DISCLOSED confidential. Each page shall be identified in boldface at the top and bottom as "CONFIDENTIAL" by the bidder. Cost information shall not be deemed confidential. In spite of what is labeled as a trade secret, the determination whether it is or not will be determined by North Carolina law.

23. ASSIGNMENT: No assignment of the bidder's obligations nor the bidder's right to receive payment hereunder shall be permitted. However, upon written request approved by the City of High Point Purchasing Department, solely as a convenience to the bidder, the City of High Point may:

- a. Forward the bidder's payment check directly to any person or entity designated by the bidder, and
- b. Include any person or entity designated by bidder as a joint payee on the bidder's payment check.

In no event shall such approval and action obligate the City of High Point to anyone other than the bidder and the bidder shall remain responsible for fulfillment of all contract obligations.

24. **ACCESS TO PERSONS AND RECORDS:** The City Auditor shall have access to persons and records as a result of all contracts or grants entered into by the City in accordance with General Statute 147-64.7.
25. **INSPECTION AT BIDDER'S SITE:** The City of High Point reserves the right to inspect, at a reasonable time, the equipment/item, plant or other facilities of a prospective bidder prior to contract award, and during the contract term as necessary for the City of High Point's determination that such equipment/item, plant or other facilities conform with the specifications/requirements and are adequate and suitable for the proper and effective performance of the contract.
26. **AVAILABILITY OF FUNDS:** Any and all payments of compensation of this specific transaction, it's continuing or any renewal or extension are dependent upon and subject to the allocation of appropriation of funds to the City for the purpose set forth in this agreement.
27. **GOVERNING LAWS:** All contracts, transactions, agreements, etc., are made under and shall be governed by and construed in accordance with the laws of the State of North Carolina.
28. **ADMINISTRATIVE CODE:** Bids, proposals, and awards are subject to applicable provisions of the North Carolina Administrative Code.
29. **EXECUTION:** Failure to sign under EXECUTION section will render bid invalid.
30. **ORDER OF PRECEDENCE:** In cases of conflict between specific provisions in this bid, the order of precedence shall be (1) special terms and conditions specific to this bid, (2) specifications, (3) City of High Point General Contract Terms and Conditions, and (4) City of High Point Bid Terms and Conditions.
31. **CLARIFICATIONS/INTERPRETATIONS:** Any and all questions regarding this document must be addressed to the City of High Point on the cover sheet of this document. Do not contact the user directly. Any and all revisions to this document shall be made only by written addendum from the City of High Point Purchasing Department. The bidder is cautioned that the requirements of this bid can be altered only by written addendum and that verbal communications from whatever source is of no effect.
32. **SITUS:** The place of all contracts, transactions, agreements, their situs and forum, shall be North Carolina, where all matters, whether sounding in contract or tort, relating to the validity, construction, interpretation, and enforcement shall be determined.

REQUEST FOR PROPOSALS – ALPR SYSTEM

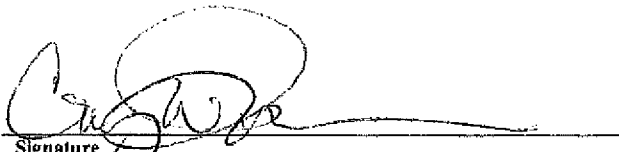


City Of High Point
Purchasing Division
211 S. Hamilton St., PO Box 230
High Point, NC 27260
Phone: 336-883-3219 Fax: 336-883-3248
T Robert (Bob) Martin, Purchasing Manager
purchasing@highpointnc.gov

PROPOSAL NUMBER: 1649-112310	DATE: November 15, 2010
QUOTE DUE NO LATER THAN Tuesday, November 23, 2010 at 5:00 PM	
BUYER: Patty Sykes patty.sykes@highpointnc.gov TELEPHONE: (336) 883-3220	Bid price shall be FOB Destination and include delivery and installation to: City of High Point Police Department Attn: Captain Tony Hamrick 1009 Leonard Ave. High Point, NC 27260

- Pursuant to General Statutes of North Carolina, Section 143-129, as amended, bids and proposals subject to the conditions and specifications herein, are invited for materials and equipment as described herein.
- Prices or any other entry made hereon by the bidders shall be considered firm and not subject to change or withdrawal.
- Bidders certify under penalty of perjury that this bid has not been arrived at collusively and that no Federal or North Carolina antitrust laws have been violated.
- State and County sales taxes shall not be included in the bid prices. Sales tax shall be added to vendors invoice and will be paid to vendor at time of invoice payment.
- Bidders shall sign this form and return it with additional bid documents on or before the above date and time, to the City of High Point Purchasing Division, P O Box 230 (27261), 211 S. Hamilton St., High Point, NC 27260. Bids may be returned by Fax to 336-883-3248 or email patty.sykes@highpointnc.gov

ELSAG N/A.
Company Name
205 H CREEK RIDGE Rd.
Address
GREENSBORO NC 27406
City State Zip
craig.duncan@elsagna.com
E-mail


Signature
Craig W. Duncan
Above (typed or printed)
11/22/2010
Date
(910) 986-0596 (336) 379-7164
Telephone Fax

☒ By checking this box, I acknowledge that I have read and accept the terms and conditions associated with this bid.

**PROPOSAL
AUTOMATED LICENSE PLATE RECOGNITION SYSTEM
BID NO. 1649-112310**

QTY	DESCRIPTION	UM	UNIT PRICE	TOTAL PRICE
2	License Plate Reader Slate-810-LE-G (or approved equal)	Ea	18,555.00	37,110.00
Brand & Model Offered		ELSAQ NA - MPH-900X33 LPR PROCESSOR (CABLES, INSTRUCTIONS, CABLES, SOFTWARE)		
2	System Software	Ea	- 0 -	- 0 -
Brand & Model Offered		ELSAQ - CARSYSTEM		
2	Server Hardware Platform	Ea	975.00	1,950.00
Brand & Model Offered		MPH-9000 PC		
Installation - including Field Engineering services for installation, configuration, and training for mobile ALPR system, including system administration and user training on software.				
Installation		FREE		
Extended Warranty Pricing (after 1 year warranty expiration)				
	Year 1	Per Year	- 0 -	
	Year 2	Per Year	- 0 -	
	Year 3	Per Year	- 0 -	
Licensing Fees				
	One Administrator & Two User License	Per Year	- 0 -	
	One Administrator & Five User License	Per Year	- 0 -	
Additional Equipment Pricing				
2	Lightbars - Whelen Liberty SC LED Lightbar with Traffic Advisor (or approved equal)	Ea	1,631.25	3,262.50
Brand Name & Model Offered		WHELAN - SEE ATTACHED		
2	Rumbler™ Intersection-Clearing System (or approved equal)	Ea	476.60	953.20
Brand Name & Model Offered		WHELAN - SEE ATTACHED		
LIGHT BAR RUMBLER INSTALL			550	1,100.00
Delivery and Installation will be made within <u>30</u> days after receipt of order		Payment Terms: Net <u>30</u>		

PROPOSAL
AUTOMATED LICENSE PLATE RECOGNITION SYSTEM
BID NO. 1649-112310
(Page 2)

SERVICE: Adequate and satisfactory availability of repair parts, supplies and ability to meet warranty requirements are necessary. The City reserves the right to satisfy itself by inquiry or otherwise as to bidder's capabilities in this regard. The bidder shall offer warranty service by a qualified technician/mechanic at user's site. List below firms nearest in location to the user from which to obtain parts and service after the warranty has expired.

FIRM NAME	LOCATION	CONTACT	PHONE
ELSAG NA	205 H CREEKRIDGE RD - GREENSBORO, NC 27404	TECH SUPPORT	(336) 379-7135 (336) 944H-900

REFERENCES: The vendor must demonstrate that he has proven experience in the installation of automated license plate recognition systems. Bidder should list below at least three (3) customers of comparable size who have purchased and are actively using the offered ALPR System.

FIRM NAME	LOCATION	CONTACT	PHONE
GEORGIA STATE PATROL	ATLANTA, GA	LT. KENNY STOKES	(706) 272-2200
RICHMOND COUNTY SO	COLUMBIA, SC	MRS. SIM STUART	(803) 576-3045
DURHAM COUNTY	DURHAM, NC	KIM SIMPSON	(919) 560-0306



ELSAG North America

205-H Creek Ridge Road
Greensboro, NC 27406

Duns # 196140821
Phone: 866-9MPH900 (967-4900)
Fax: 336-379-7164

11/22/2010
QUOTATION

Delivered to:
High Point Police Department
1009 Leonard St.
High Point, NC
C/O Capt. Hamrick
(336)887-7805

Quotation valid until: January 21, 2011
Prepared by: Craig Duncan
Projected Arrival Date: TBD

Model #	Description	Cost	Units	Amount
MPH-900XS	Mobile License Plate Reader - Includes LPR Processor, 6 cameras (3 color and 3 infrared LPR in three enclosures), cables and related software.	\$18,555	2	\$37,110.00
INST SUP	Day rate for ELSAG North America installation staff either on site or in the development lab.		2	FREE
MPH-900 OPC	Operations Center License designed to coordinate multiple fixed and mobile units across.	\$975	2	\$1,950.00
Phone Support	24 Hour Telephone Support by qualified MPH-900 technicians			FREE
ON-SITE TRAINING	Included in the purchase of both transportable and permanent MPH-900 installations available in group and individual sessions.			FREE
TRAINING CENTER MEMBERSHIP	Unlimited access to ELSAG North America training classes held either in the field or at Company Facilities.			FREE
			TOTAL	\$39,060.00

Service Plan for goods and services provided by the above quote

			Due Date
Year I	Free	Hardware and Software	
Year II	Free	Hardware and Software	1 year after receipt
Year III	Free	Hardware and Software	2 years after receipt
Year IV	\$1,600	Hardware and Software	3 years after receipt
Beyond	\$1,600	Software Only	4 years after receipt

Service Plan Includes:

- Software Updates
- Annual Training/Service
- Parts & Labor

Approval Signature: _____



ELSAG North America

205-H Creek Ridge Road
Greensboro, NC 27406

Duns # 156140871
Phone: 866-9MPT1500 (567-4500)
Fax: 336-379-7164

11/22/2010
QUOTATION

Delivered to:
High Point Police Department
RFP 1649-112310

Quotation valid until: January 21, 2011
Prepared by: Craig Duncan
Projected Arrival Date: TBD

Model #	Description	Cost	Units	Amount
5X88888	WHELEN LIBERTY SX 48.50 LC B/B/B/B	\$1,631	2	\$3,262.50
SLD88	WHELEN OPT. ADD 2 LED BLUE/BLUE		10	
SXT151	WHELEN LIBERTY SX LR11 T-D LV 2		2	
SPALF1	WHELEN LIBERTY SX LR11 ALLEY LT PR		2	
MKE247	E-2 LIGHTBAR MOUNT KIT #47		2	
2955LSA6	SIREN CONTROL CENTER		2	
SA315P	SPEAKER, BLACK PLASTIC		2	
SAK17	MOUNT KIT FORD CROWN VIC		2	
HOWLER	LOW FREQ TONE SIREN SYS	\$477	2	\$954.00
HWLRB1	REPLACEMENT HOWLER BRKT CV		2	
LABOR	LIGHTBAR/HOWLER INSTALL	\$550	2	\$1,100.00
WHELEN	WHELEN WARRANTS ALL LIGHTBAR/HOWLER EQUIPMENT DIRECTLY		2	
TOTAL				\$5,316.50

Service Plan for goods and services provided by the above quote

			Due Date
Year I	Wheelen	Hardware and Software	
Year II	Wheelen	Hardware and Software	1 year after receipt
Year III	Wheelen	Hardware and Software	2 years after receipt
Year IV	Wheelen	Hardware and Software	3 years after receipt
Beyond	Wheelen	Software Only	4 years after receipt

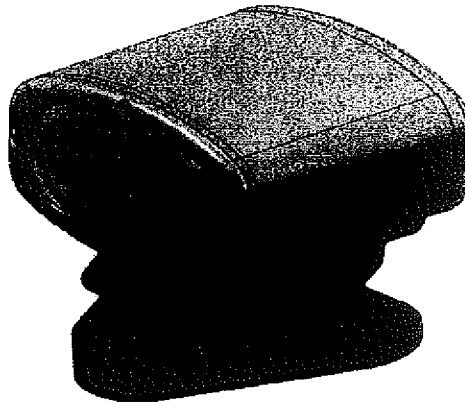
Service Plan Includes:
- Software Updates
- Annual Training/Service
- Parts & Labor

Approval Signature: _____

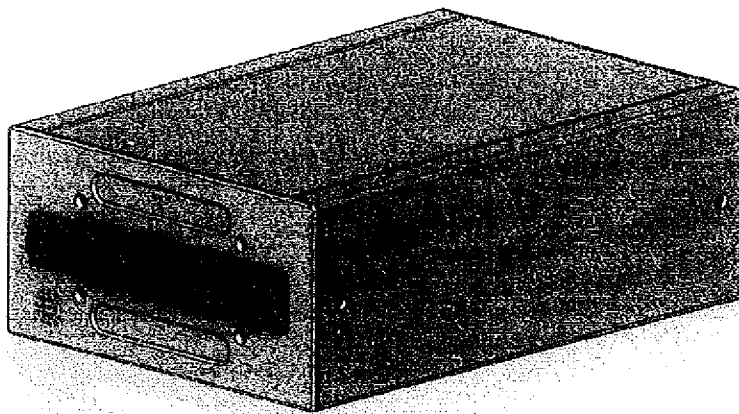


ELSAG North America Law Enforcement Systems, LLC

MPH900 AD3 Split LPR System



AD3 Split Camera (shown on clicker base)



AD3 Split Processing Box (2 Camera Box Shown)



ELSAG North America Law Enforcement Systems, LLC

AD3 Split System Specifications:

AD3 Split Camera LPR Sensor		
	B&W Camera	Progressive Scan CCD (12-50mm available)
	Color Camera	Ex-View CCD Pal Video Format (6-25mm available)
	Optics Interface	C Mount
	IR Illumination	Std. 735nm discrete LED, driven w/ high current pulses synchronized with camera shutter. (810-880nm available)
	Operating Temperature	-20 – 55°C (-5 – 131°F)
	Environmental	Internal Heater
	Housing Protection	IP67
	Operating Humidity	10 – 90% non condensing
	Overall Size	3.13" x 6" x 5.5" (w/o base)
	Camera Weight	3.5 lbs. (w/o base)
	Cable Interface	Proprietary 23 pin connector IP67 rated
	Camera Base Options	Magnet Mount
		Hedley Mount
		Clicker Base Mount
		Permanent Bulkhead Mount
		Whelan Light-bar Interface Mount
	Safety Feature	Class 1 Illuminator, EN60825-1 compliant
AD3 Split Processor Box		
	Processing Board	Processor embedded, Linux real time operating system
	Housing Protection	IP65
	Communication	100 Mbit fast Ethernet adapter
	Data packet	For each Read system generates; ◦ Read License Plate String ◦ Date-Time Stamp ◦ Camera Identifier ◦ JPEG compressed Grayscale and color overlay JPEG of the plate
	OCR Training	Regionalized OCR optimization
	Operating Temperature	-20 – 55°C (-5 – 131°F)
	Operating Humidity	10-90%
	Power Requirements	12 VDC / 5.5A 66 Watts (maximum)
		12 VDC / 2.4A 29 Watts (normal operation)
	Processor Box Weight	5.3 lbs.
	Processor Size	8" x 11" x 4" (2 port box)

REQUEST FOR PROPOSALS - ALPR SYSTEM



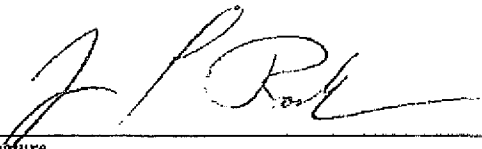
City Of High Point
Purchasing Division
211 S. Hamilton St., PO Box 230
High Point, NC 27260
Phone: 336-883-3219 Fax: 336-883-3248
T Robert (Bob) Martin, Purchasing Manager
purchasing@highpointnc.gov

PROPOSAL NUMBER: 1649-112310	DATE: November 15, 2010
QUOTE DUE NO LATER THAN Tuesday, November 23, 2010 at 5:00 PM	
BUYER: Patty Sykes patty.sykes@highpointnc.gov TELEPHONE: (336) 883-3220	Bid price shall be FOB Destination and include delivery and installation to: City of High Point Police Department Attn: Captain Tony Hamrick 1009 Leonard Ave. High Point, NC 27260

- Pursuant to General Statutes of North Carolina, Section 143-129, as amended, bids and proposals subject to the conditions and specifications herein, are invited for materials and equipment as described herein.
- Prices or any other entry made hereon by the bidders shall be considered firm and not subject to change or withdrawal.
- Bidders certify under penalty of perjury that this bid has not been arrived at collusively and that no Federal or North Carolina antitrust laws have been violated.
- State and County sales taxes shall not be included in the bid prices. Sales tax shall be added to vendors invoice and will be paid to vendor at time of invoice payment.
- Bidders shall sign this form and return it with additional bid documents on or before the above date and time, to the City of High Point Purchasing Division, P O Box 230 (27261), 211 S. Hamilton St., High Point, NC 27260. Bids may be returned by Fax to 336-883-3248 or email patty.sykes@highpointnc.gov

South Sales Communications

Company Name
446 Crompton Street
Address
Charlotte NC 28273
City State Zip
steverule146@gmail.com
E-mail


Signature
Tim Rock
Above (typed or printed)
November 23rd, 2010
Date
704-969-9000 704-969-9001
Telephone Fax



By checking this box, I acknowledge that I have read and accept the terms and conditions associated with this bid.

PROPOSAL
AUTOMATED LICENSE PLATE RECOGNITION SYSTEM
BID NO. 1649-112310

QTY	DESCRIPTION	UM	UNIT PRICE	TOTAL PRICE
2	License Plate Reader Slate-810-LE-G (or approved equal)	Ea	\$9970.00	\$19,940.00
Brand & Model Offered		Vigilant Video CarDetector 2 camera system model CDMC2PW24		
2	System Software	Ea	\$2,250.00	\$4,500.00
Brand & Model Offered		One time initial charge for all Software via Site License Program		
2	Server Hardware Platform	Ea	\$6410.00	\$6410.00
Brand & Model Offered		Only 1 required-Dell Tower Server with LEARN application loaded		
Installation -- including Field Engineering services for installation, configuration, and training for mobile ALPR system, including system administration and user training on software.				
Installation		\$6,040.00		
Extended Warranty Pricing (after 1 year warranty expiration)				
	Year 1	Per Year	\$0.00 - Included in base cost	
	Year 2	Per Year	\$0.00 - Included in base cost	
	Year 3	Per Year	\$727.00	
Licensing Fees				
	One Administrator & Two User License	Per Year	\$500.00	
	One Administrator & Five User License	Per Year	\$500.00	
Additional Equipment Pricing				
2	Lightbars - Whelen Liberty SC LED Lightbar with Traffic Advisor (or approved equal)	Ea	\$2,150.00	\$4,300.00
Brand Name & Model Offered		Whelen Liberty per Capt. Hamrick's specifications		
2	Rumbler™ Intersection-Clearing System (or approved equal)	Ea	\$484.00	\$968.00
Brand Name & Model Offered		Whelen Howler		

Delivery and Installation will be made within <u>30</u> days after receipt of order	Payment Terms: Net <u>30</u>
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PROPOSAL
AUTOMATED LICENSE PLATE RECOGNITION SYSTEM
BID NO. 1649-112310
(Page 2)

SERVICE: Adequate and satisfactory availability of repair parts, supplies and ability to meet warranty requirements are necessary. The City reserves the right to satisfy itself by inquiry or otherwise as to bidder's capabilities in this regard. The bidder shall offer warranty service by a qualified technician/mechanic at user's site. List below firms nearest in location to the user from which to obtain parts and service after the warranty has expired.

FIRM NAME	LOCATION	CONTACT	PHONE
South Sales Communications	Charlotte, NC	Tim Rock	704-969-9000
1-Volt Associates	Charlotte, NC	Andrew Chalson	704-588-8818
Warnock Fleet	East Hanover, NJ	Jeff Wohlgemuth	201-704-9451

REFERENCES: The vendor must demonstrate that he has proven experience in the installation of automated license plate recognition systems. Bidder should list below at least three (3) customers of comparable size who have purchased and are actively using the offered ALPR System.

FIRM NAME	LOCATION	CONTACT	PHONE
High Point University	High Point, NC	Chief Jeff Karpovich	336-841-9011
Norton Police Department	Norton, OH	Sgt. Jay Nagy	330-606-3975
Kings Point Village PD	Kings Point, NY	Sgt. James Moran	631-821-6200

**SPECIFICATIONS
AUTOMATED LICENSE PLATE RECOGNITION SYSTEM
BID NO. 1649-112310**

The City of High Point is seeking proposals for an Automated License Plate Recognition System. The specifications below give a general description of the characteristics and performance expected of the proposed system. The proposed system is to include all cameras, mounting hardware, computer hardware, software, accessories, labor and equipment necessary to provide a turnkey installed system.

Bidders shall supply with their bid, complete descriptive literature and specifications for offered equipment. Include any information which you think may be pertinent to the evaluation.

Hardware Specifications:

◦ The Cameras must be small and light weight enough, to attach to the vehicle's emergency lightbar so as not to obstruct or otherwise hinder visibility to the lightbar. Mounting bracket shall be furnished by the vendor

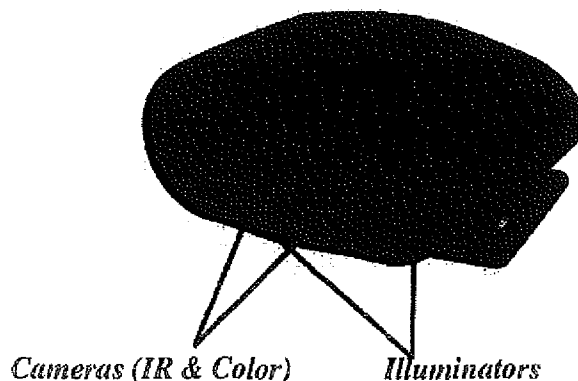
Partially comply: *Currently Vigilant Video does not supply a commercially available bracket mount to attach to a vehicle lightbar; however, given the flexibility of the cameras mounting capabilities accommodations can be made to accomplish this. The Typical deployment utilizes the mounting method described below.*

◦ Vendor shall also be capable of providing brackets for trunk lid mounts. These brackets must easily allow for rotation, tilt, and yaw adjustments.

Fully Comply: *integrated in the pricing response above is a trunk lid mounting bracket that uses two set screws to secure the mount while allowing for full range of motion for camera aiming purposes*

◦ The system must be comprised of Infrared (IR) Cameras for effective license plate image capture in a variety of weather and lighting conditions.

Fully comply: *The attached image illustrates the availability of both an IR and color camera capable of capturing plate records in zero lux conditions:*



- The Cameras must be capable of producing multiple license plate images with varying flash, shutter and gain settings to ensure a high quality image regardless of weather or lighting conditions.

Fully Comply: *The Vigilant Video solution features a set of optimized camera settings. Included in the design of the camera is a custom firmware that uses a photo-sensor to determine current lighting conditions and automatically adjust to for optimal performance. The Processing unit captures a set of at least 6 images of the event capture, then analyses and sends the best result to the software for processing.*

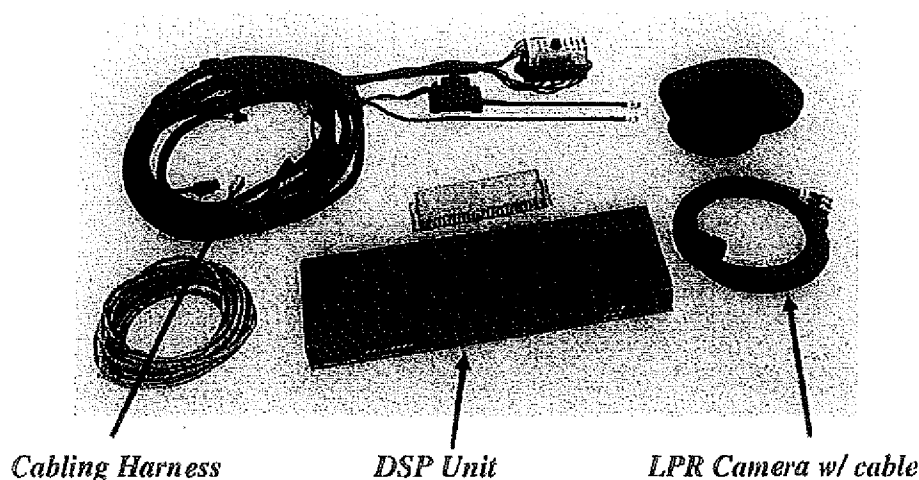
- Cameras must be capable of scanning licenses plates of passing cars in seconds.

Fully Comply: *The cameras operate at 30 frames per second allowing for plate capture at high rates of speed.*

- Camera to include at a minimum: Camera processor, cable/connector(s), Client/server architecture, bracket mount assemblies.

Fully Comply *The OCR processor is not integrated inside the camera. Rather, a Digital Signal Processor (DSP) technology unit is utilized for each car. The DSP Unit will process up to four cameras simultaneously.*

The LPR systems are sold as in-car hardware 'Kits'. Each kit contains 1) DSP; 2) Combination Color/IR LPR Camera mounting bracket & cable; 3) SAE J-1128 compliant (Society of Automotive Engineers standard for in-car wiring harnesses) cabling system; and 4) Required accessories



ALPR Processor:

- The system must provide the customer with the ability to integrate to their existing MDC using Client – Server architecture in order to minimize processor usage on their existing MDC.

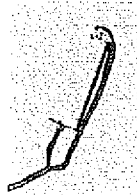
Fully Comply: *The Vigilant Video CarDetector application is a windows based software application that will install on the MDC and communicate with the DSP unit, and operate on the MDC unit, without the use of additional communicating hardware.*

◦ The Automated License Plate Recognition (ALPR) Processor must be capable of detecting the presence of lawfully mounted vehicle license plates in the Cameras' Field of View (FOV) for image capture from the camera.

Fully Comply

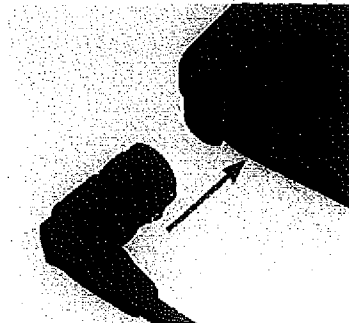
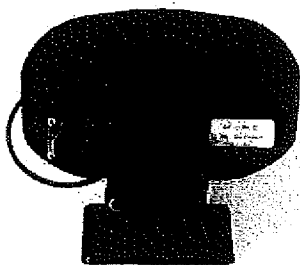
◦ The ALPR Processor must be designed to be trunk mounted and must incorporate an intelligent Power Supply Unit (PSU) that provides for a safe start-up and shut – down each time the vehicle's ignition is turned on and turned off.

Fully Comply: *One of the provided accessories for installation is a Power Conditioner Unit (PCU). The PCU regulates the voltage to the LPR systems to ensure the correct electrical requirements are met regardless of fluctuating DC power current.*



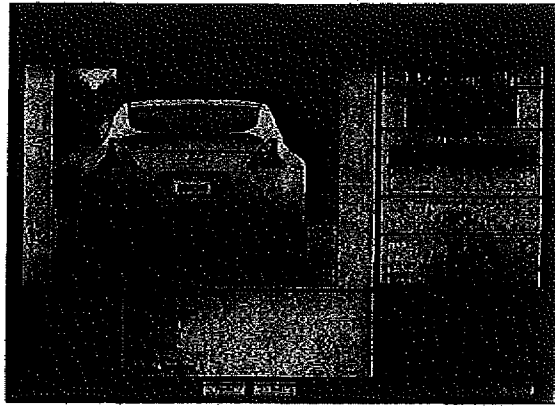
◦ The ALPR Processor must control the power supplied to the Cameras and provide video connection points for simplified system wiring.

Fully Comply: *Power and ground cables along with all other cabling required or camera operation are integrated into the single cable with mil-spec amphenol connector including RF shielding*



◦ Processor shall translate digital pictures into data, cross-reference that information with databases for wanted drivers, and relaying the information to police personnel instantaneously.

Fully Comply: *Multiple list sources can be used as a database for comparison purposes. In the event of a match to the list an alert will be presented to the user as illustrated below along with an optional audible alert*



(Image not to Scale)

- The system shall return an alarm to the operator instantaneously and provide instant feedback and direction of the suspect vehicle. Audible and visual alarms inform the officer of the vehicle's location and the infraction related to the alarm.

Fully Comply: *As illustrated above.*

- The ALPR Processor must be designed to meet the environmental conditions associated with a trunk-mounted unit.

Fully Comply: *The processor features a solid state design to withstand shock and vibration. The processor is temperature rated for -40 to +140 Celsius.*

Client (In Vehicle) Software Specifications

- The application software that resides in the police unit must provide for a User Name and Password as assigned by the System Administrator within the back office server software.

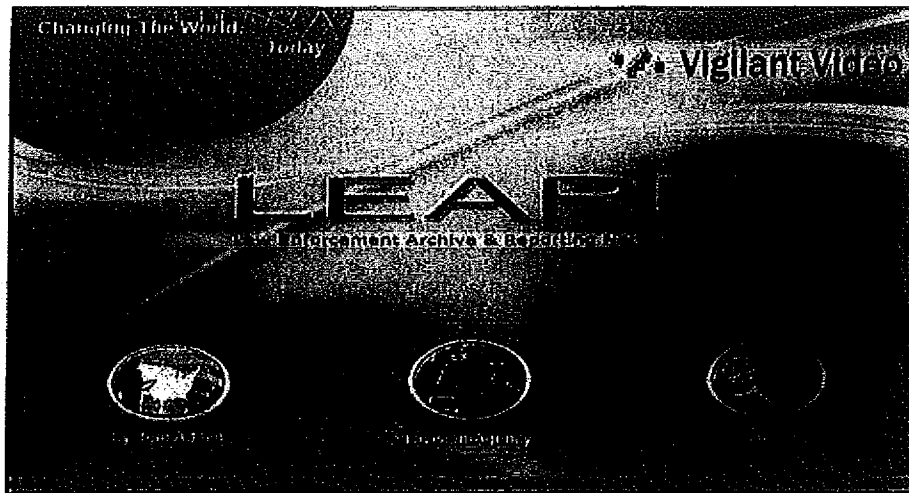
Fully Comply: *The CarDetector system allows for multiple log-in credentials per vehicle install with customizable permissions per user account*

- System Software for system administration, data analysis and data storage, data mining, reporting, mapping via Google Maps, remote alerting, and networking in support of interagency data sharing.

Fully Comply: *Vigilant Video's server component: LEARN (Law Enforcement Archival Reporting Network), an enterprise class server application that manages each CarDetector in-car LPR application.*

The LEARN server application is a web based data management utility that centralizes use of the LPR system regarding Hot-List management, User management, LPR data records, Hits, Historical data, automated software updates (distributed), mapping, forensic studies, audit trails, and much more.

The LEARN server allows for data sharing between agencies via a link server utility that will allow other Vigilant Video LEARN server deployments (e.g. High Point University) to share LPR data automatically. Using the secure web access interface to LEARN, other agencies that do not have access to their own LPR system can be granted access to the server via web access without effecting the core deployment or having access to agency sensitive data.



LEARN Server web based login access screen

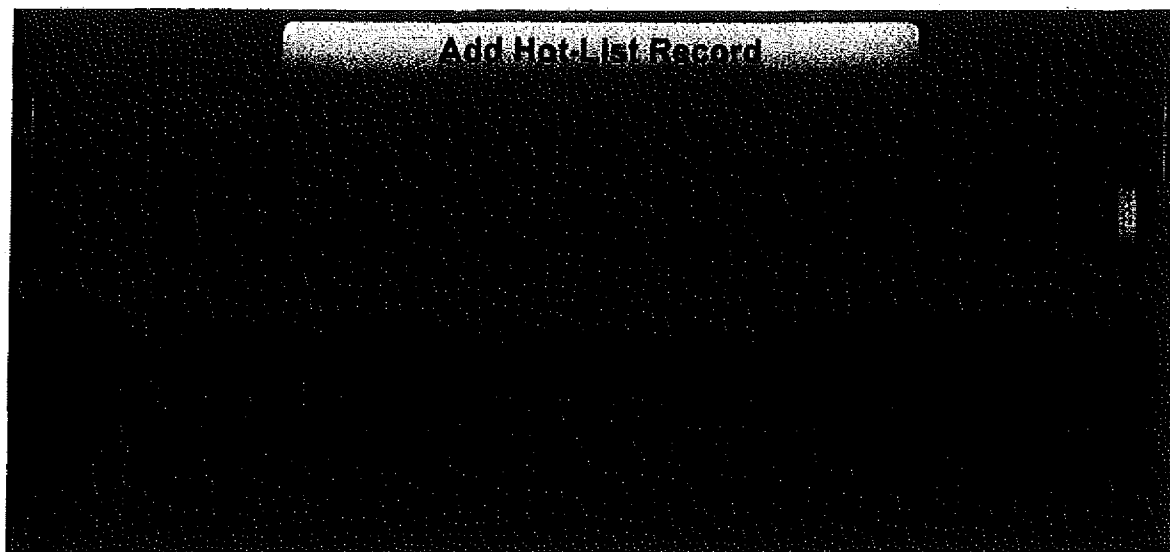
- Software to include one administration and 2 concurrent User Licenses.

Fully Comply: Using the Vigilant Video Software Site License High Point Police Department will have access to unlimited concurrent users. The Vigilant Video software is licensed on a per camera basis thus eliminating the need to worry about the number of concurrent users with access to the system.

- The system must have the feature that allows "hot list" databases to be created either from within the server software or in the field by authorized users whereby authorized users must have the capability to add license plate data to the system's database/s while in the field. All license plate data added by the authorized user will remain a part of the selected database until the database is 'overwritten' by the System Administrator or by a new or updated database(s).

Fully Comply: The LEARN server allows for management of hot lists from multiple sources that can be set to automatically update at user defined intervals.

The ability for a user to add a record to the hot list from the vehicle interface is an inherent functionality of the CarDetector system. All information added in the field can be shared with the LEARN server for distribution to other LPR equipped vehicles via an automated process. A screen shot of the add plate utility is illustrated below:



◦ The system must provide live, simultaneous video display of all of the following data for any cameras as selected by the user:

- The IR License Plate Image
- The license plate interpretation or system read
- A corresponding color overview image of the vehicle displaying the captured IR license plate
- The date and time stamp
- Identification of the Camera capturing the image
- The GPS Coordinates for every license plate captured by the system

Fully Comply

◦ The Hit Screen must remain displayed until acknowledged by the officer, *and* while displayed, the system must continue to process license plate data in the background and all captured data must be stored in the system during this interval.

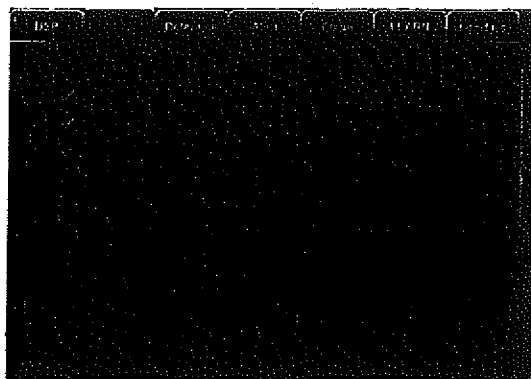
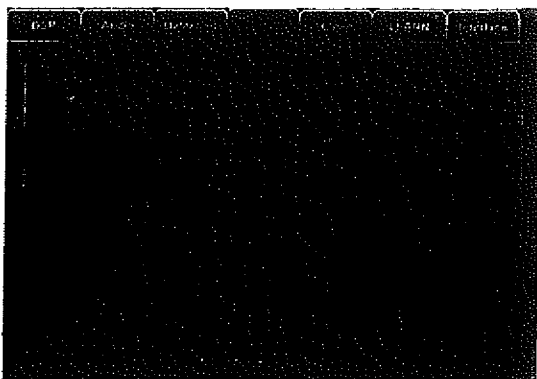
Fully Comply: *In addition to the above functionality the hit screen allows for the officer to enter notes related to the hit for storage with the record*

◦ In the event that a subsequent “match or hit” should occur while the original Hit Screen is displayed to the officer, the system must alert the officer that a second or subsequent “hit” occurred and the system is waiting for the officer’s intervention.

Fully Comply

◦ The system must provide the System Administrator with the ability to customize audible alerts to differentiate between unique events within the software application.

Fully Comply: *The system administrator can make changes to the audible alerts using a simple interface allowing the ability to browse for a .wav file to apply as illustrated below. In addition to the ability to perform this function from the vehicle, Vigilant Video allows for the server administrator to be able to make these changes within the LEARN server and have the updated configuration “pushed” to the CarDetector system in the field.*



- The system must provide a visual alert for each defined event that displays in the foreground regardless of other applications in use at that time.

Fully Comply: The pop-up alert will come to the foreground of MDC screen by default and remain until the office acknowledges the hit. In order to enable verification of the hit the hit screen is sized to allow the officer to select already running programs from the task bar by not hiding it behind the hit screen.

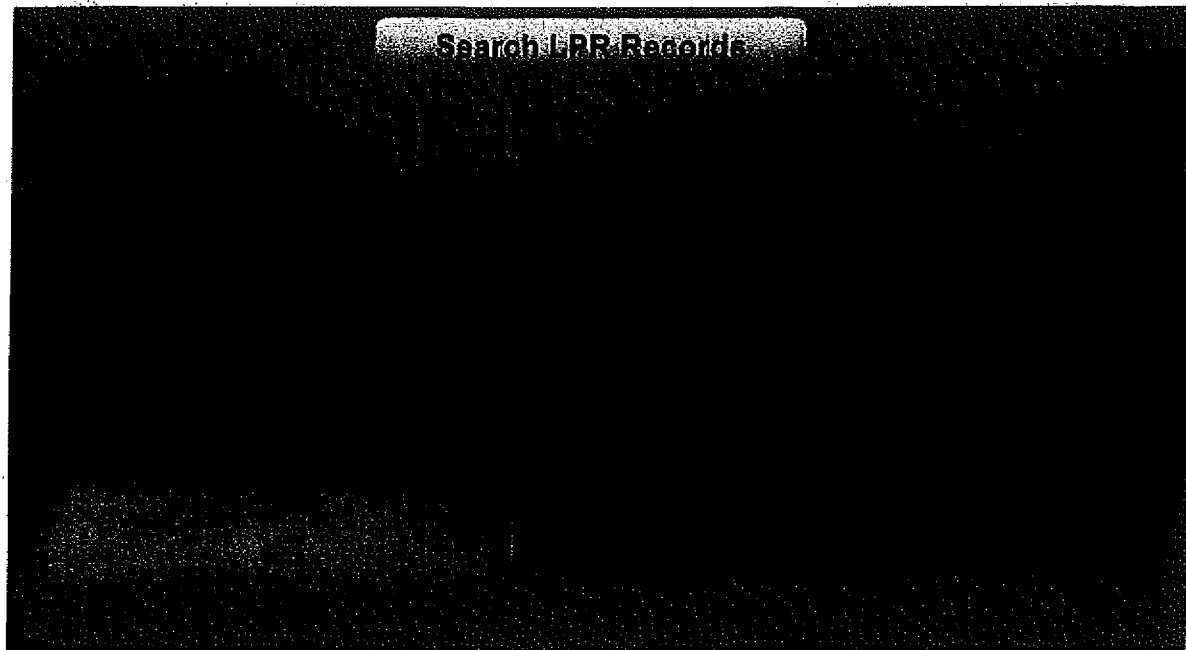
- The system must provide the officer with the capability to mark a license plate read as a "misread."

Fully Comply: The pop-up alert allows for an officer to add notes as well as select a "correct hit" or "incorrect hit" disposition button. Statistical tracking of hit disposition is available via a report within the LEARN server.



- The system must provide the officer with the capability to manually enter a license plate for the purpose of searching that license plate against the system's database(s).

Fully Comply: The CarDetector interface provides a comprehensive search utility (see screenshot below). The Search allows for a record type equal to detection, Hit, and Hot List records.

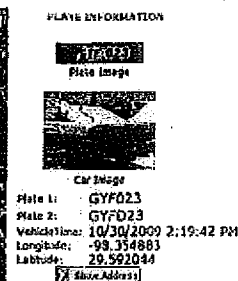


- The system must provide the officer with the capability to review all of the following:
 - "hits"
 - license plate images and associated data
 - license plate searches performed by the officer indicating the date and time the search was conducted
 - misreads
- Fully Comply**
- The system must provide the officer with the ability to query the client software application to determine if a particular license plate has been captured in the system. If the license plate data is in the system, the officer must have the ability to review each license plate capture and the associated system data displayed on the Review Screen to include:
 - The IR License Plate Image
 - The corresponding color overview image of the vehicle
 - The date and time stamp and
 - The GPS coordinates

Fully Comply: This search function can be performed by the CarDetector application in the field (as illustrated above), or via the LEARN server utility (as shown below: Within the specified Search criterion, a list of LPR data Records is returned to the User from which several 'Hot-Links' may be used to access all relevant information:

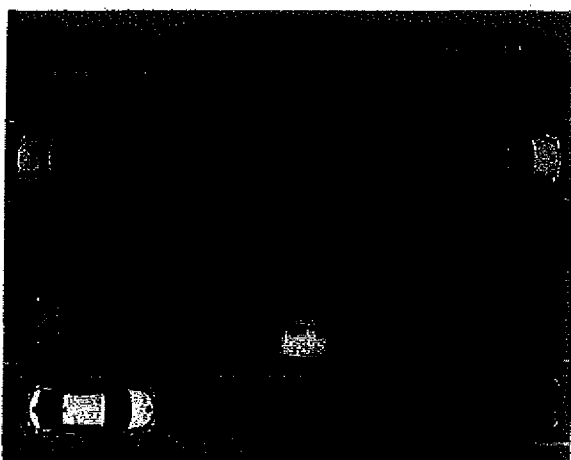
Info	Edit	BYF023	10/30/2009 12:19:42 PM	10/30/2009 2:19:42 P
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Address: 16573 Nacogdoches Rd Bexar, TX 78247
Distance from this address: 0.17
Nearest Intersection: Nacogdoches Rd-State Hwy 1604 Access Rd

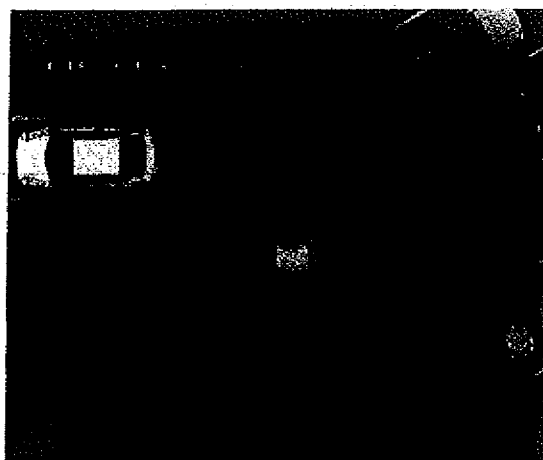


◦ The system must be capable of capturing license plates in any of the following modes: (a) an adjacent lane on either side of the police vehicle while driving through traffic and/or parking lots; (b) traffic in an adjacent lane while parked on the side or shoulder of a roadway; (c) any parking application from parallel to perpendicular parked car orientation with respect to the movement of the police vehicle and (d) an adjacent lane to capture the rear license plate of the vehicle as it passes the police unit or vice versa

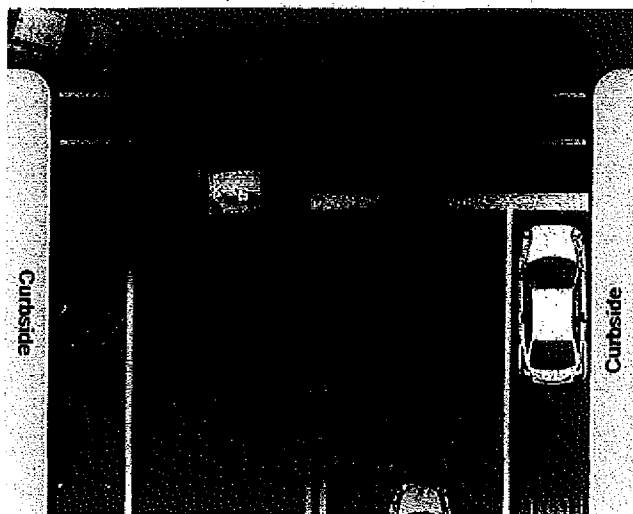
Fully Comply: Vigilant Video offers up to five (5) different cameras to choose from, of which to utilize for many different applications. The following diagrams depict the use cases recommended by Vigilant Video:



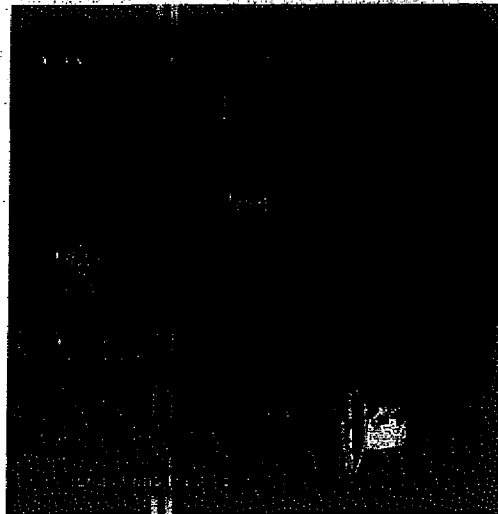
Camera # 1 - 16mm Camera Lens



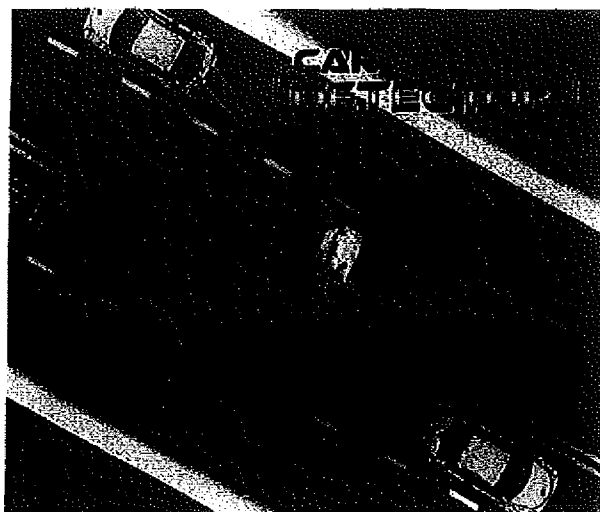
Camera # 2 - 25mm Camera lens



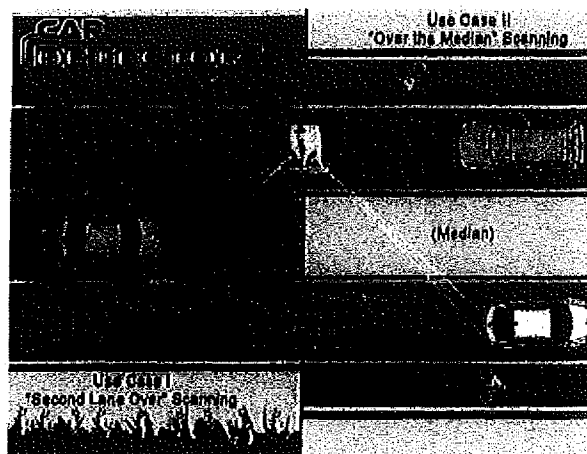
Camera # 2 - 25mm Camera Lens



Camera # 3 - 35mm Camera lens



Camera # 4 - 50mm Camera Lens



Camera # 5 - 75mm Camera lens

Server Software Specifications

- As part of the overall system and functionality, a server software application must be provided so the customer can manage all the data collected by the various ALPR deployment (client applications), manage the database functions and manage the user administration functions.

Fully Comply: *The Vigilant Video LEARN server software allows for the most comprehensive and user friendly management of multiple LPR deployments. Please see the additional section below titled "More to know about Vigilant Video's LPR solution."*

- The system shall allow monitoring and management of both fixed, mobile, and portable ALPR units (devices) within the same application. Devices shall be able to be assigned to Sites for ease of management.

Fully Comply: *The LEARN server software is the most advanced LPR server utility available to law enforcement today, providing management of all types of LPR deployments using a cohesive enterprise class architecture*

- The successful vendor must provide on-site system training for the system users and the System Administrator/s.

Fully Comply

- The successful vendor must provide system installation

Fully Comply

- All system documentation must be furnished in electronic format.

Fully Comply

Standards and Testing Requirements

◦ The ALPR Cameras must meet “eye safe” certification standards, as established by an international testing agency.

Fully Comply

◦ The ALPR Cameras must be sealed to IP67 Standards.

Fully Comply

◦ The ALPR Cameras must meet BS EN 60068 2-27 requirements for Mechanical Shock.

Fully Comply

◦ The ALPR Cameras must meet Mil. Std. 810F method 516.5, Procedure V requirements for Shock Crash Hazard.

Fully Comply

◦ The ALPR Cameras must meet all the requirements set forth in:

- Electrostatic Discharge (ESD), EN 61000-4-2 and
- Radiated Emissions, FCC Part 15 and EN 5502

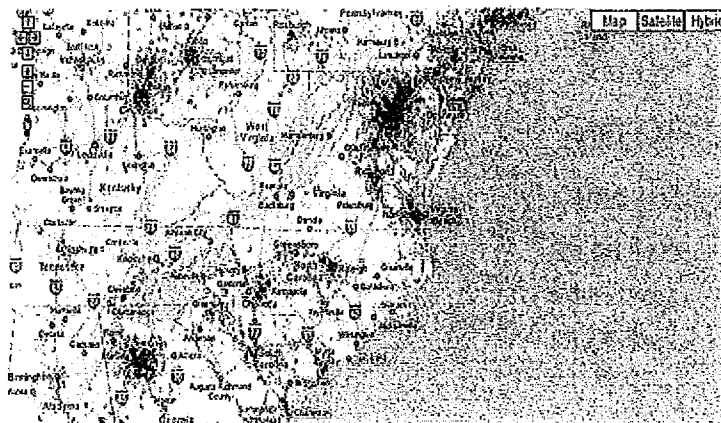
Fully Comply

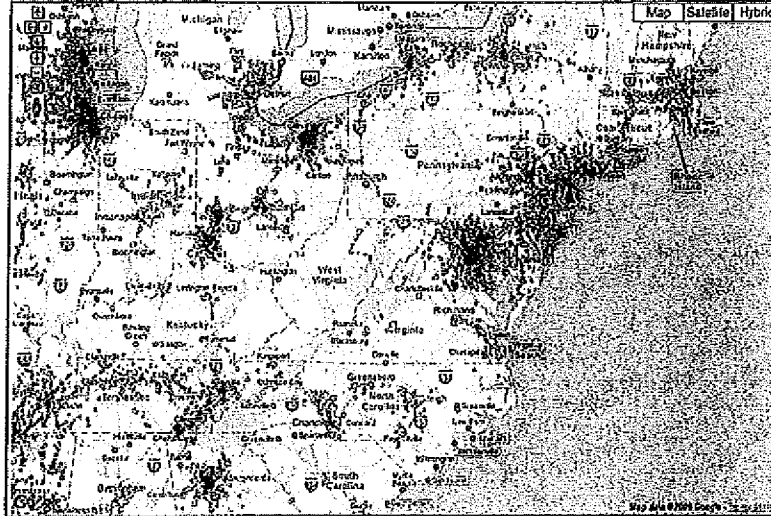
More to know about Vigilant Video's LPR solution

Section Intent - The intent of this section is to briefly highlight some of the features and functionality of the Vigilant Video CarDetector mobile LPR system with LEARN, specifically related to benefits not covered by this RFP.

Private LPR data – Vigilant Video has more LPR cameras deployed than any other LPR company in the US market. With over three hundred (300) private LPR scout cars, Vigilant Video's private LPR data repository provides over eight million (8,000,000) LPR data records per month. With over one hundred million records (100,000,000) Vigilant Video is the only company that can offer law enforcement agencies real time private LPR data subscriptions.

Scan Density Maps – Private LPR Data





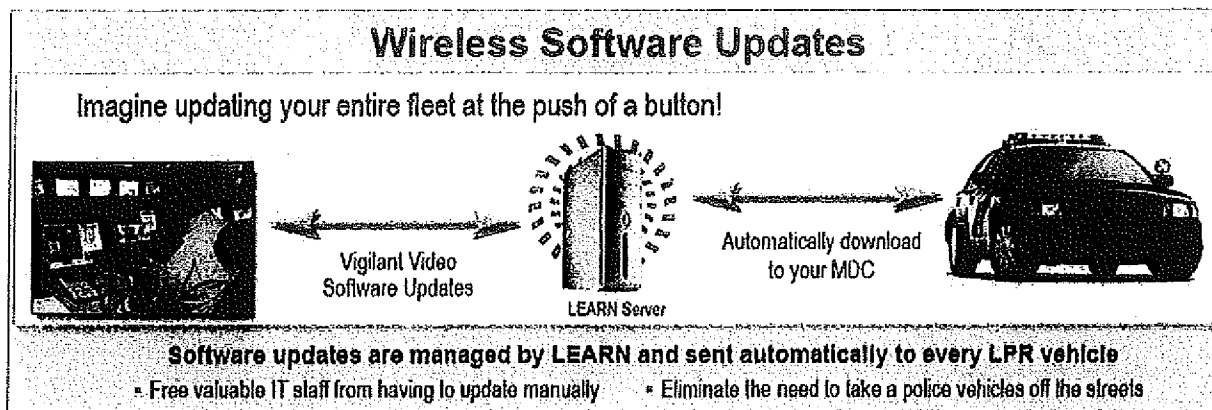
National LPR data Repository – Vigilant Video is the first and only LPR company within the US to offer a national LPR data option. Vigilant Video's national LPR server is available today for LPR data sharing and hosting for all law enforcement agencies within the US. The server is installed in a Law Enforcement approved data center and conforms to all NCIC security requirements.

- National LPR data hosting
- National LPR data sharing
- Offload the administrative overhead
- Transparent to the police department

<http://nvls-ncic.com/learn>

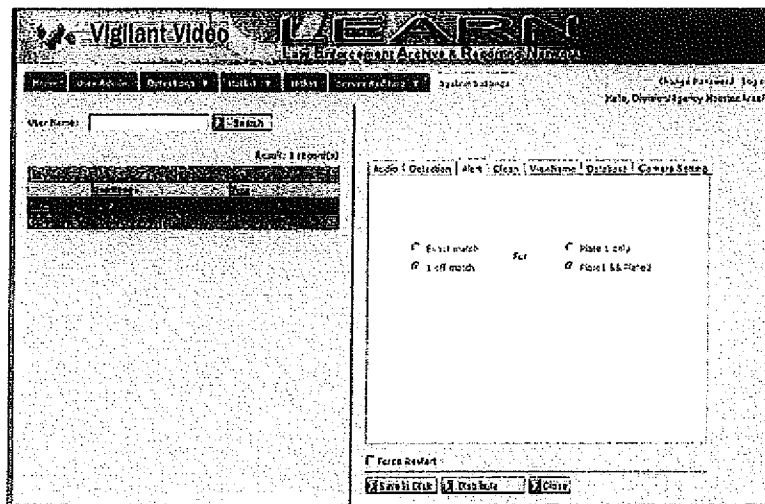
Automated Software Updates – Vigilant Video's software updates are all managed wirelessly by the LEARN server application. When a software update release is available by Vigilant Video:

1. Vigilant Video releases LPR software update to customer
2. Customer downloads software update to LEARN
3. LEARN dispatches all software updates to the In-Car CarDetector application



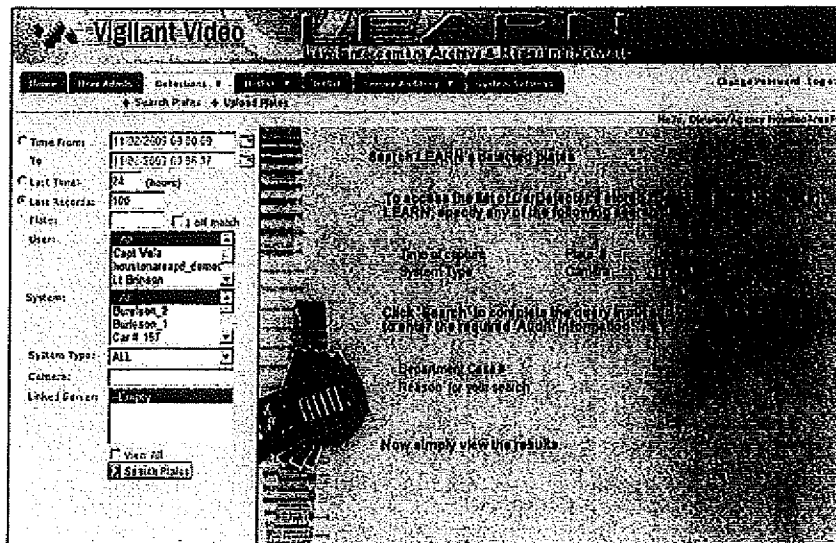
Centralized administration – LEARN has the built in capabilities to manage all User controls of the In-Car LPR application. The LEARN administrator can choose to configure all vehicle software on a car

by car basis. This decreases the requirement of extensive LPR application training for the officer, therefore helping to keep the officer focused on the pertinent tasks at hand.



Multiple Options – LEARN offers multiple search methods to ensure the User is able to extract the LPR data they are seeking.

- Search by User
- Search by System
- Search by Agency
- Search Partial or 'Wild Card' plates
- Geo-Fence your search
- Link other Agency's LEARN servers
- Search by last number of records
- Search by detection or Hot-List
- Search by time
- Search with 1-Off Intelligence



ADDITIONAL INSTRUCTIONS

Questions on technical specifications should be directed to: Captain Tony Hamrick, City Of High Point Police Department at 336-887-7805. All other questions may be directed to Patty Sykes, Senior Buyer, at 336-883-3220.

MAKE AND MODEL: Indicate manufacturers' name and model number of item offered in the spaces provided. Complete descriptive literature and manufacturer's specifications shall be included in the bid.

WARRANTY: Equipment shall be new and shall be guaranteed against defect in materials, workmanship, and performance in accordance with the manufacturer's standard warranty, except that in no event shall such coverage be less than one (1) year. Warranty coverage shall begin on the date of acceptance by the City of High Point. Warranty service shall be available on site at any location within the state of North Carolina. Defective units shall be repaired or replaced during the warranty period at no cost to the City of High Point or its representative.

INSTRUCTION BOOK: The vendor shall furnish a booklet or pamphlet giving complete instructions for the operation, lubrication, adjustment, and care of the equipment.

DEMONSTRATION: Bidder must be capable of demonstrating proposed equipment within seven (7) consecutive calendar days after notification at no additional cost to the City. If required, this will be a comprehensive demonstration at a site designated by the City with hands-on participation by agency operator(s) if necessary. Bids that fail to comply with this requirement may be subject to rejection.

EQUIPMENT AND ACCESSORIES: All equipment and accessories listed as standard items in the manufacturer's current product literature, but not listed in these specifications shall be included with the equipment.

SERVICE UPON DELIVERY: Unit shall be complete, serviced and ready for operation. The City will only accept and approve for payment equipment that is complete in every respect and ready for operation.

STANDARD PRODUCTION MODEL: The attached specifications include the requirement that the equipment herein requested be a "standard production model of the latest design". To meet this requirement the equipment offered shall be new and the latest production model as represented in the manufacturer's current published literature intended for the general public. Such literature must represent the specific configuration offered. Equipment offered otherwise may be subject to rejection.

CLEAN UP: Upon completion of the equipment delivery, the bidder shall remove and properly dispose of all packaging waste and debris from the user's site. The bidder shall be responsible for leaving the delivery areas clean and ready to use.

SPECIFICATIONS
AUTOMATED LICENSE PLATE RECOGNITION SYSTEM
BID NO. 1649-112310

The City of High Point is seeking proposals for an Automated License Plate Recognition System.

The specifications below give a general description of the characteristics and performance expected of the proposed system. The proposed system is to include all cameras, mounting hardware, computer hardware, software, accessories, labor and equipment necessary to provide a turnkey installed system.

Bidders shall supply with their bid, complete descriptive literature and specifications for offered equipment. Include any information which you think may be pertinent to the evaluation.

Hardware Specifications:

- The Cameras must be small and light weight enough, to attach to the vehicle's emergency lightbar so as not to obstruct or otherwise hinder visibility to the lightbar. Mounting bracket shall be furnished by the vendor
- Vendor shall also be capable of providing brackets for trunk lid mounts. These brackets must easily allow for rotation, tilt, and yaw adjustments.
- The system must be comprised of Infrared (IR) Cameras for effective license plate image capture in a variety of weather and lighting conditions.
- The Cameras must be capable of producing multiple license plate images with varying flash, shutter and gain settings to ensure a high quality image regardless of weather or lighting conditions.
- Cameras must be capable of scanning licenses plates of passing cars in seconds.
- Camera to include at a minimum: Camera processor, cable/connector(s), Client/server architecture, bracket mount assemblies.

ALPR Processor:

- The system must provide the customer with the ability to integrate to their existing MDC using Client – Server architecture in order to minimize processor usage on their existing MDC.
- The Automated License Plate Recognition (ALPR) Processor must be capable of detecting the presence of lawfully mounted vehicle license plates in the Cameras' Field of View (FOV) for image capture from the camera.
- The ALPR Processor must be designed to be trunk mounted and must incorporate an intelligent Power Supply Unit (PSU) that provides for a safe start-up and shut – down each time the vehicle's ignition is turned on and turned off.
- The ALPR Processor must control the power supplied to the Cameras and provide video connection points for simplified system wiring.
- Processor shall translate digital pictures into data, cross-reference that information with databases for wanted drivers, and relaying the information to police personnel instantaneously.
- The system shall return an alarm to the operator instantaneously and provide instant feedback and direction of the suspect vehicle. Audible and visual alarms inform the officer of the vehicle's location and the infraction related to the alarm.

- The ALPR Processor must be designed to meet the environmental conditions associated with a trunk-mounted unit.

Client (In Vehicle) Software Specifications

- The application software that resides in the police unit must provide for a User Name and Password as assigned by the System Administrator within the back office server software.
- System Software for system administration, data analysis and data storage, data mining, reporting, mapping via Google Maps, remote alerting, and networking in support of inter-agency data sharing.
- Software to include one administration and 2 concurrent User Licenses.
- The system must have the feature that allows "hot list" databases to be created either from within the server software or in the field by authorized users whereby authorized users must have the capability to add license plate data to the system's database/s while in the field. All license plate data added by the authorized user will remain a part of the selected database until the database is 'overwritten' by the System Administrator or by a new or updated database(s).
- The system must provide live, simultaneous video display of all of the following data for any Cameras as selected by the user:
 - The IR License Plate Image
 - The license plate interpretation or system read
 - A corresponding color overview image of the vehicle displaying the captured IR license plate
 - The date and time stamp
 - Identification of the Camera capturing the image
 - The GPS Coordinates for every license plate captured by the system
- The Hit Screen must remain displayed until acknowledged by the officer, *and* while displayed, the system must continue to process license plate data in the background and all captured data must be stored in the system during this interval.
- In the event that a subsequent "match or hit" should occur while the original Hit Screen is displayed to the officer, the system must alert the officer that a second or subsequent "hit" occurred and the system is waiting for the officer's intervention.
- The system must provide the System Administrator with the ability to customize audible alerts to differentiate between unique events within the software application.
- The system must provide a visual alert for each defined event that displays in the foreground regardless of other applications in use at that time.
- The system must provide the officer with the capability to mark a license plate read as a "misread."
- The system must provide the officer with the capability to manually enter a license plate for the purpose of searching that license plate against the system's database(s).
- The system must provide the officer with the capability to review all of the following:
 - "hits"
 - license plate images and associated data
 - license plate searches performed by the officer indicating the date and time the search was conducted
 - misreads

- The system must provide the officer with the ability to query the client software application to determine if a particular license plate has been captured in the system. If the license plate data is in the system, the officer must have the ability to review each license plate capture and the associated system data displayed on the Review Screen to include:
 - The IR License Plate Image
 - The corresponding color overview image of the vehicle
 - The date and time stamp and
 - The GPS coordinates
- The system must be capable of capturing license plates in any of the following modes: (a) an adjacent lane on either side of the police vehicle while driving through traffic and/or parking lots; (b) traffic in an adjacent lane while parked on the side or shoulder of a roadway; (c) any parking application from parallel to perpendicular parked car orientation with respect to the movement of the police vehicle and (d) an adjacent lane to capture the rear license plate of the vehicle as it passes the police unit or vice versa

Server Software Specifications

- As part of the overall system and functionality, a server software application must be provided so the customer can manage all the data collected by the various ALPR deployment (client applications), manage the database functions and manage the user administration functions.
- The system shall allow monitoring and management of both fixed, mobile, and portable ALPR units (devices) within the same application. Devices shall be able to be assigned to Sites for ease of management.
- The successful vendor must provide on-site system training for the system users and the System Administrator/s.
- The successful vendor must provide system installation
- All system documentation must be furnished in electronic format.

Standards and Testing Requirements

- The ALPR Cameras must meet "eye safe" certification standards, as established by an international testing agency.
- The ALPR Cameras must be sealed to IP67 Standards.
- The ALPR Cameras must meet BS EN 60068 2-27 requirements for Mechanical Shock.
- The ALPR Cameras must meet Mil. Std. 810F method 516.5, Procedure V requirements for Shock Crash Hazard.
- The ALPR Cameras must meet all the requirements set forth in:
 - Electrostatic Discharge (ESD), EN 61000-4-2 and
 - Radiated Emissions, FCC Part 15 and EN 5502

INSTRUCTIONS TO BIDDERS

GENERAL: All bids are subject to the provisions of the attached General Contract Terms and Conditions. All bid responses will be controlled by the Terms and Conditions included by the City of High Point. Bidder terms and conditions included as a part of published price lists, catalogs, and/or other documents submitted as a part of the bid response are waived and will have no effect either on the bid, or any contract which may be awarded as a result of this bid. The attachment of any other terms and conditions may be grounds for rejection.

Bidder specifically agrees to the conditions set forth in this paragraph by signature of the "BID" contained herein.

Pursuant to G.S. 143-48 and Executive Order No. 77, the State invites and encourages participation in this procurement by a business owned by minorities, women, and the handicapped.

MAKE AND MODEL: Indicate manufacturers' name and model number of item offered in the spaces provided on the quote form. The purpose of these specifications is to identify and establish general quality level desired. References to any Brand Names are not intended to be restrictive and comparable products of other manufacturers will be considered. However, bidders are cautioned that any deviation from specifications must be pointed out in their bid.

WARRANTY: Bidder guarantees equipment offered by him to be free from any and all defects in material and workmanship and warrants same for a period of one (1) year unless otherwise stated in the specifications. Such warranty is to cover the cost of all service, parts, labor and travel to and from points of service.

SPECIFICATIONS: Manufacturer's name and catalog numbers used in this bid are product specific unless the description states equivalent acceptable. These products are required for compatibility and continuity of support.

BID EVALUATION: The City of High Point reserves the right to reject any bid on the basis of the function, compatibility with user requirements, as well as cost. The City of High Point reserves the right to award this contract to a single overall bidder on all items, or to make award on the basis of individual items or groups of items, whichever shall be considered by the City of High Point to be most advantageous or to constitute its best interest. Bidders should show unit prices, but are requested to offer a lump sum price. The City of High Point will not be bound by oral discussions during evaluation process. Responsible purchasing agent should approve all contact regarding this award.

CANCELLATION: The City of High Point may terminate/cancel this contract at any time by providing written notice to the bidder at least thirty (30) days before the effective date of termination/cancellation.

SERVICE: Adequate and satisfactory availability of repair parts and supplies, and ability to meet warranty and service requirements are necessary. The City of High Point reserves the right to satisfy itself by inquiry or otherwise as to bidder's capability in this regard.

SAFETY: See attached General Terms & Conditions #11.

BID RESULTS: For bid results email purchasing@highpointnc.gov NO EARLIER than TWO DAYS following the bid close date.

****THE CITY OF HIGH POINT WILL NOT BE BOUND BY ORAL DISCUSSION REGARDING THIS REQUEST FOR BID. ****

QUESTIONS: Questions regarding the specifications on this bid should be referred to the purchasing agent.

SPECIAL INTEREST GROUP DEFINITIONS:

Women Owned (51% and controlled by Women)

Handicapped Owned (51% owned & controlled by a Physically Handicapped Person)

Minority Owned (At least 51% of which is owned and controlled by minority group member. (Black, Asian, Hispanic, American Indian)

GENERAL TERMS AND CONDITIONS

1. **ACCEPTANCE AND REJECTION:** The City of High Point reserves the right to reject any and all bids, to waive any informality in bids, and unless otherwise specified by the bidder, to accept any item in the bid. If either a unit price or extended price is obviously in error or the other is obviously correct, the incorrect price will be disregarded.
2. **TIME FOR CONSIDERATION:** Unless otherwise indicated on the first page of this document, the offer shall be valid for 45 days from the date of bid opening. Preference may be given to bids allowing not less than 45 days for consideration and acceptance.
3. **TAXES:** No taxes shall be included in any bid prices.
 - a. **FEDERAL:** Generally, states and political subdivisions are exempt from such taxes, as excise and transportation. Exemption is claimed under Registry No. 56-70-0047K as provided by Chapter 32 of the Internal Revenue Code.
 - b. **OTHER:** Bid prices are not to include any sales, import, or personal property taxes. To the extent applicable, they are to be invoiced as a separate item(s)
4. **PRICE ADJUSTMENTS:** Any price changes, downward or upward, which might be permitted during the contract period, must be general, either by reason of market change or on the part of the bidder to other customers.
 - a. **NOTIFICATION:** Must be given to the City of High Point Purchasing Department, in writing, concerning any proposed price adjustments. Such notification shall be accompanied by copy of manufacturers' official notice or other evidence that the change is general in nature.
 - b. **DECREASES:** The City of High Point shall receive full proportionate benefit immediately at any time during the contract period.
 - c. **INCREASES:** All prices offered herein shall be firm against any increase for 180 days from effective date of the proposed contract. After this period, a request for increase may be submitted with the City of High Point reserving the right to accept or reject the increase, or cancel the contract. Such action by the City of High Point shall occur not later than 15 days after receipt and review by the City of High Point of a properly documented request for price increase. Any increases accepted shall become effective on a date to be determined by the City of High Point which:
 - 1) Shall not be later than 30 days after the expiration of the original 15 days reserved by the City of High Point to evaluate the request for increase;
 - d. **INVOICES:** It is understood and agreed that orders will be shipped at the established contract prices in effect on dates orders are placed. Invoicing at variance with this provision will subject the contract to cancellation. Applicable North Carolina sales tax shall be invoiced as a separate item.
5. **PAYMENT TERMS:** Payment terms are Net 30 days after receipt of correct invoice or acceptance of goods, whichever is later. The City of High Point is responsible for all payments under the contract.
6. **AFFIRMATIVE ACTION:** The successful bidder will take affirmative action in complying with all Federal and State requirements concerning fair employment and employment of the handicapped, and concerning the treatment of all employees, without discrimination by reason of race, color, religion, sex, national origin, or physical handicap.
7. **CONDITION AND PACKAGING:** Unless otherwise indicated in the bid, it is understood and agreed that any item offered or shipped on this bid shall be new and in first class condition, that all containers shall be new and suitable for storage or shipment, and that prices include standard commercial packaging.
8. **PERFORMANCE BOND AND DEFAULT:** The City of High Point reserves the right to require performance bonds from successful bidder, as provided by law, without expense to the City. Otherwise, in case of default by the Bidder, the City may procure the articles or services from other sources and hold the Bidder responsible for any excess cost occasioned thereby. Default shall occur if the Bidder fails to perform any obligation under the contract and schedule and such failure remains uncured for more than thirty (30) days after receipt of written notice thereof from the City of High Point.
9. **SAMPLES:** Samples of items, when required, must be furnished as stipulated herein, free of expense, and if not destroyed will, upon request, be returned at the bidder's expense. Request for the return of samples must be made within 10 days following opening of bids. Otherwise the samples will become City of High Point property. Each individual sample must be labeled with bidder's name and item number. Samples, on which an award is made, will be retained for the contract period. These will be returned, if requested, ten days prior to expiration of the contract.
10. **SPECIFICATIONS:** Any deviation from specifications indicated herein must be clearly pointed out; otherwise, it will be considered that items offered are in strict compliance with these specifications, and successful bidder will be held responsible therefore. Deviations must be explained in detail on an attached sheet(s).

The bidder shall not construe this paragraph as inviting deviation or implying that any deviation will be acceptable.

11. **SAFETY STANDARDS:** All manufactured items and/or fabricated assemblies subject to operation under pressure, operation by connection to an electric source, or operation involving a connection to a manufactured, natural, or LP gas source shall be constructed and approved in a manner acceptable to the appropriate state inspector which customarily requires the label or re-examination listing or identification marking of the appropriate safety standard organization, such as the American Society of Mechanical Electrical Engineers for pressure vessels; the Underwriters' Laboratories and/or National Electrical Manufacturers' Association for electrically operated assemblies; or the American Gas Association for gas operated assemblies, where such approvals of listings have been established for the type(s) of devices offered and furnished. Further, all items furnished by the successful bidder shall meet all requirements of the Occupational Safety and Health Act (OSHA), and state and federal requirements relating to clean air and water pollution.

All bidders must comply with *North Carolina Occupational Safety and Health Standards for General Industry, 29CFR 1910*. Construction bidders must comply with *North Carolina Occupational Safety and Health Standards for the Construction Industry, 29CFR 1926*. In addition, bidders shall comply with all applicable occupational health and safety and environmental rules and regulations. Bidders shall effectively manage their safety and health responsibilities including:

1. **Accident Prevention**

Prevent injuries and illnesses to their employees and others on or near their job site. Bidder managers and supervisors shall ensure employer's personnel safety by strict adherence to established safety rules and procedures.

2. **Environmental Protection**

Protect the environment on, near, and around their work site by compliance with all applicable environmental regulations.

3. **Employee Education and Training**

Provide education and training to all bidders employees before they are exposed to potential workplace or other hazards as required by specific OSHA Standards.

12. **INFORMATION AND DESCRIPTIVE LITERATURE:** Bidders are to furnish all information requested and in the spaces provided on the bid form. Further, as may be specified elsewhere, each bidder must submit with his proposal: cuts, sketches, descriptive literature and/or complete specifications covering the products offered. Reference to literature submitted with a previous bid does not satisfy this provision. Bids, which do not comply with these requirements, will be subject to rejection.

13. **PROMPT PAYMENT DISCOUNTS:** Bidders are urged to compute all discounts into the price offered. If a prompt payment discount is offered, it will not be considered in the award of the contract except as a factor to aid in resolving cases of identical prices.

14. **AWARD OF CONTRACT:** As directed by statute, qualified bids will be evaluated and acceptance made of the lowest and best bid most advantageous to the City of High Point as determined upon consideration of such factors as: prices offered; the quality of the articles offered; the general reputation and performance capabilities of the bidders; the substantial conformity with the specifications and other conditions set forth in the bid; the suitability of the articles for the intended use; the related services needed; the date or dates of delivery and performance; and such other factors deemed by the City to be pertinent or peculiar to the purchase in question. Unless otherwise specified by the City or the bidder, the City reserves the right to accept any items or groups of items on a multi-item bid.

The City reserves the right to make partial, progressive or multiple awards; where it is advantageous to award separately by items; or where more than one supplier is needed to provide the contemplated requirements as to quantity, quality, delivery, service, geographical areas; other factors deemed by the City of High Point to be pertinent or peculiar to the purchase in question.

15. **GOVERNMENTAL RESTRICTIONS:** In the event any Governmental restrictions may be imposed which would necessitate alteration of the material, quality, workmanship or performance of the items offered on this proposal prior to their delivery, it shall be the responsibility of the successful bidder to notify the City of High Point Purchasing Department at once, indicating in his letter the specific regulation which required such alterations. The City of High Point reserves the right to accept any such alterations, including any price adjustments occasioned thereby, or to cancel the contract.

16. **M/WBE:** Pursuant to General Statute 143-48 and Executive Order #77, the City of High Point invites and encourages participation in this procurement process by businesses owned by minorities, women, and the handicapped.

17. **INSURANCE:**

Coverage - During the term of the contract, the bidder at its sole cost and expense shall provide commercial insurance of such type and with such terms and limits as may be reasonably associated with the contract. As a minimum, the bidder shall provide and maintain the following coverage and limits:

- a. **Worker's Compensation** - The bidder shall provide and maintain Worker's Compensation Insurance, as required by the laws of North Carolina, as well as employer's liability coverage with minimum limits of \$150,000.00, covering all bidders' employees who are engaged in any work under the contract. If any work is sublet, the bidder shall require the subcontractor to provide the same coverage for any of his employees engaged in any work under the contract.

- b. **Commercial General Liability** - General Liability Coverage, on a Comprehensive Broad Form on an occurrence basis in the minimum amount of \$500,000.00 Combined Single Limit. (Defense cost shall be in excess of the limit of liability.)
- c. **Automobile** - Automobile Liability Insurance, to include liability coverage, covering all owned, hired and non-owned vehicles, used in connection with the contract. The minimum combined single limit shall be \$150,000.00 bodily injury and property damage; \$150,000.00 uninsured/under-insured motorist; and \$1,000.00 medical payment.

Requirements - Providing and maintaining adequate insurance coverage is a material obligation of the bidder and is of the essence of this contract. All such insurance shall meet all laws of the State of North Carolina. Such insurance coverage shall be obtained from companies that are authorized to provide such coverage and that are authorized by the Commissioner of Insurance to do business in North Carolina. The bidder shall at all times comply with the terms of such insurance policies, and all requirements of the insurer under any of such insurance policies, except as they may conflict with existing North Carolina laws or this contract. The limits of coverage under each insurance policy maintained by the bidder shall not be interpreted as limiting the bidder's Liability and obligations under the contract. It is agreed that the coverage as stated shall not be canceled or changed until thirty (30) days after written notice of such termination or alteration has been sent by registered mail to the City of High Point Purchasing Department.

18. PATENTS AND COPYRIGHTS: The Bidder shall hold and save the City of High Point, its officers, agents, and employees, harmless from liability of any kind, including costs and expenses on account of any patented or unpatented invention, articles, device or appliance manufactured or used in the performance of this contract, including use by the government.

Any and all copy, art, designs, negatives, photographs, or other tangible items created pursuant to bidder's performance of this project shall be the property of City of High Point and shall be delivered to City upon completion of the project. Such property shall be transferred to City in excellent, reusable condition.

In addition, the copyright in and to any copyrightable work, including, but not limited to, copy, art, negatives, photographs, designs, text, software, or documentation created as part of the bidder's performance of this project shall vest in the City, and the bidder agrees to assign all rights therein to the City. Bidder further agrees to provide the City with any and all reasonable assistance, which the City may require to obtain copyright registrations or to perfect its title in any such work, including the execution of any documents submitted by the City.

19. PATENT AND COPYRIGHT INDEMNITY: BIDDER will defend or settle, at its own expense, any action brought against Customer to the extent that it is based on a claim that the product(s) provided pursuant to this agreement infringe any U.S. copyright or patent; and will pay those costs, damages and attorney's fees finally awarded against Customers in any such action attributable to any such claim, but such defense, settlements and payments are conditioned on the following (1) that BIDDER shall be notified promptly in writing by Customer of any such claim; (2) that BIDDER shall have sole control of the defense of any action on such claim and of all negotiations for its settlement or compromise; (3) that Customer shall cooperate with BIDDER in a reasonable way to facilitate the settlement of defense of such claim; (4) that such claim does not arise from Customer modifications not authorized by the BIDDER or from the use of combination of products provided by the BIDDER with products provided by the Customer or by others; and (5) should such product(s) become, or in the BIDDER's opinion likely to become, the subject of such claim of infringement, then Customer shall permit BIDDER, at BIDDER's option and expense, either to procure for Customer the right to continue using the product(s), or replace or modify the same so that it becomes non-infringing and performs in a substantially similar manner to the original product; or (c) upon failure of (a) or (b) despite the reasonable efforts of the BIDDER for a sold product or licensed software, return the price paid for the licensed software and any product dependent thereon.

20. ADVERTISING: Bidder agrees not to use the existence of this contract or the name of the City of High Point as a part of any commercial advertising without prior approval of the City of High Point Purchasing Department.

21. EXCEPTIONS: All proposals are subject to the terms and conditions outlined herein. All responses will be controlled by such terms and conditions and the submission of other terms and conditions, price catalogs, and other documents as part of a Bidder's response will be waived and have no effect on this Request for Proposal or any other contract that may be awarded resulting from this solicitation. The submission of any other terms and conditions by a Bidder may be grounds for rejection of the Bidder's proposal. The Bidder specifically agrees to the conditions set forth in the above paragraph by affixing his name on the signatory page contained herein.

22. CONFIDENTIAL INFORMATION: As provided by statute and rule, the City of High Point will consider keeping trade secrets which the bidder does not wish DISCLOSED confidential. Each page shall be identified in boldface at the top and bottom as "CONFIDENTIAL" by the bidder. Cost information shall not be deemed confidential. In spite of what is labeled as a trade secret, the determination whether it is or not will be determined by North Carolina law.

23. ASSIGNMENT: No assignment of the bidder's obligations nor the bidder's right to receive payment hereunder shall be permitted. However, upon written request approved by the City of High Point Purchasing Department, solely as a convenience to the bidder, the City of High Point may:

- a. Forward the bidder's payment check directly to any person or entity designated by the bidder, and
- b. Include any person or entity designated by bidder as a joint payee on the bidder's payment check.

In no event shall such approval and action obligate the City of High Point to anyone other than the bidder and the bidder shall remain responsible for fulfillment of all contract obligations.

24. **ACCESS TO PERSONS AND RECORDS:** The City Auditor shall have access to persons and records as a result of all contracts or grants entered into by the City in accordance with General Statute 147-64.7.

25. **INSPECTION AT BIDDER'S SITE:** The City of High Point reserves the right to inspect, at a reasonable time, the equipment/item, plant or other facilities of a prospective bidder prior to contract award, and during the contract term as necessary for the City of High Point's determination that such equipment/item, plant or other facilities conform with the specifications/requirements and are adequate and suitable for the proper and effective performance of the contract.

26. **AVAILABILITY OF FUNDS:** Any and all payments of compensation of this specific transaction, its continuing or any renewal or extension are dependent upon and subject to the allocation of appropriation of funds to the City for the purpose set forth in this agreement.

27. **GOVERNING LAWS:** All contracts, transactions, agreements, etc., are made under and shall be governed by and construed in accordance with the laws of the State of North Carolina.

28. **ADMINISTRATIVE CODE:** Bids, proposals, and awards are subject to applicable provisions of the North Carolina Administrative Code.

29. **EXECUTION:** Failure to sign under EXECUTION section will render bid invalid.

30. **ORDER OF PRECEDENCE:** In cases of conflict between specific provisions in this bid, the order of precedence shall be (1) special terms and conditions specific to this bid, (2) specifications, (3) City of High Point General Contract Terms and Conditions, and (4) City of High Point Bid Terms and Conditions.

31. **CLARIFICATIONS/INTERPRETATIONS:** Any and all questions regarding this document must be addressed to the City of High Point on the cover sheet of this document. Do not contact the user directly. Any and all revisions to this document shall be made only by written addendum from the City of High Point Purchasing Department. The bidder is cautioned that the requirements of this bid can be altered only by written addendum and that verbal communications from whatever source is of no effect.

32. **SITUS:** The place of all contracts, transactions, agreements, their situs and forum, shall be North Carolina, where all matters, whether sounding in contract or tort, relating to the validity, construction, interpretation, and enforcement shall be determined.

TONY HAMRICK

From: SCOTT WILLIS
Sent: Tuesday, November 02, 2010 5:04 AM
To: TONY HAMRICK
Subject: LPR

Capt,

I tried the LPR system out last night. For the most part it was ok, except it would not link up to the COM light. It stayed yellow, so I got no read backs. Also there was hardly any range on picking up tags. It would not see unless I was less than one lane from the vehicle. The only time it would read tags was if I rode through a parking lot. It would not pick up cars for me riding up and down Main Street. I am going to call Lance when I wake up today from working 3rd to ask about the com light. I will try it again tonight when I come back in.

Willis



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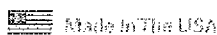
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What Partner Agencies
are saying about our ALPR:

Working with the MPH-900 is like
fishing with dynamite...it's
tremendous.

Arizona DPS' Director, Roger
Vanderpool

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ALPR Products and Solutions > Mobile Plate Hunter - 900

Mobile License Plate Reader

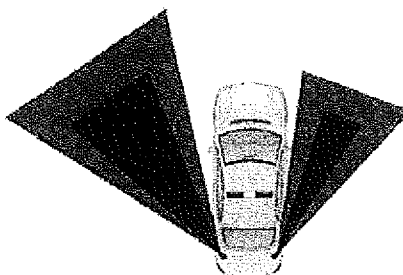
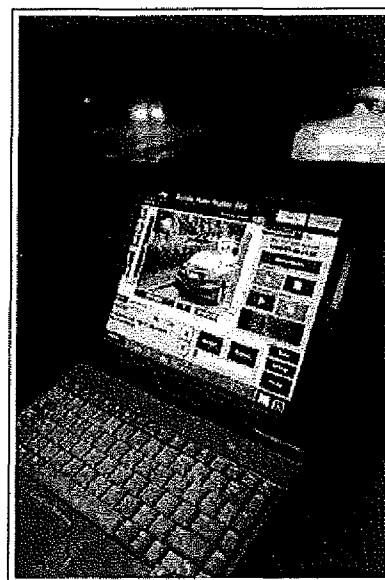
ELSAG NA's Automatic License Plate Reader (ALPR) system, the Mobile Plate Hunter-900 (MPH-900) can be mounted to patrol cars capturing license plate numbers during entire shifts. If a suspect license plate number is read, audible and visual alarms alert the officer within milliseconds of license plate capture.

Cameras, a processing unit and proprietary software, allow officers to capture images of license plates and instantaneously compare them with millions of Hot List records to identify vehicles of interest. This highly advanced Automatic License Plate Reader system reads plates day or night, from all 50 States and most foreign countries including Arabic characters. It can also read other alpha-numeric identification systems—even from 1500 feet in the air. The MPH-900 ALPR system minimizes the guesswork and safety risks that challenge officers every day.

The MPH-900 has unique capabilities, many of which are much more advanced than features of other mobile ALPR systems.

Digital Camera Technology.

The MPH-900 ALPR's digital cameras see more than analog cameras do. Compared to the analog cameras used by all other ALPR systems, images taken by the MPH-900's digital cameras capture nearly twice the physical area—the sweet spot—and that means more information for law enforcement. While images taken with analog cameras show little more than the license plate, MPH-900 ALPR cameras show the plate, a significant portion of the car and part of the car's surroundings—day or night and in any weather. This visual information can greatly aid investigations.



ELSAG "Sweet Spot" View

Analog "Sweet Spot" View



Safety

The Mobile Plate Hunter-900 operates behind the scenes on the in-car computer allowing officers to keep their hands on the wheel and eyes on the scene.

When the MPH-900 reads a license plate number that matches a 'Hot List' file, officers are alerted immediately. The alert communicates the nature of the crime or infraction associated with the plate so officers understand the risks associated

with the situation before ever getting out of the car and can prepare for safe interdiction

Real Time Technology of the Mobile Plate Hunter-900 ALPR System

Real time technology of the MPH-900 greatly increases the odds of resolving issues and in severe situations, can be the difference between life and death. Our advanced License Plate Reader system:

- Captures up to 3,600 license plate reads per minute, day or night, accurately recognizing plates from all 50 states, Canada, Mexico and many Arabic characters
- Processes parked and moving vehicles across up to 4 lanes of traffic, day or night, in any weather
- Transit speed up to 120mph can be easily managed by our License Plate Reader system. It exceeds the normal speed of vehicles through the pathway (due to pathway infrastructure limitations)
- Allows officers to update "Hot Lists" manually at any time and also query them for new tags that may match a recently captured vehicle
- Alerts officers within milliseconds if a vehicle is suspect
- Works at patrol and highway speeds - oncoming differential speeds in excess of 120 mph and passing speeds in excess of 75 mph; The ALPR translates a digital image into data, checks the information against an onboard hot list, and returns an alarm back to the operator in milliseconds for appropriate interdiction
- Hot Lists can be updated manually or wirelessly
- Officers can search ALPR system for previous reads at any time in reaction to notification of a suspect vehicle

Criminal Intelligence Capabilities of the MPH-900 ALPR System

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

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

Other features of the MPH-900 License Plate Reader System:

- Processor unit is the size of a small box for easy storage in trunk of a vehicle.
- The MPH-900 License Plate Reader requires less than 60W of 12V DC to function.
- The MPH-900 communicates with an agency's operations center (Command Center) for alarm notification and throughout the day for database update.

For further information on ELSAG North America's License Plate Recognition solutions and other Public Safety technology, please contact us at info@elsagna.com or call 1-866-9MPH900.

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Automatic License Plate Reader is also known by the following terms: ALPR, LPR Technology, License Plate Recognition, License Plate Camera, Car Plate Reader, Automatic Number Plate Reader, ANPR. For more information about ELSAG's MPH-900 digital Automatic License Plate Reader technology, contact us at 866.9.MPH.900.



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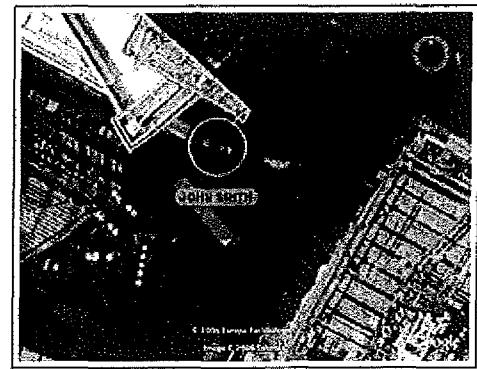
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ALPR Products and Solutions > Criminal Intelligence

The data collection capabilities of the Mobile Plate Hunter-900 (MPH-900) Automatic License Plate Reader (ALPR) have proven invaluable to investigative and criminal intelligence efforts. In addition to the color photograph showing the plate, the car and its immediate surroundings, the license plate reader also records the date and time of each capture, along with the GPS coordinates of each vehicle's location when the photo is taken. Careful review of this information for relevant periods of time can lead to:

- > Pattern recognition
- > Placing a suspect at a scene
- > Watch list development
- > Identifying witnesses
- > Possible visual clues revealed within the image of a car's immediate environment



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What Partner Agencies
are saying about our ALPR:

"Working with the MPH-900 is like
fishing with dynamite...it's
tremendous."

— Arizona DPS' Director,
Roger Vanderpool

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In October 2007, Remington
ELSAG became ELSAG North
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ALPR Products and Solutions > Geo Fencing

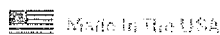
The Mobile Plate Hunter-900 (MPH-900) Automatic License Plate Reader (ALPR) allows you to protect sensitive areas with a virtual fence created by mapping the perimeter of the area through GPS coordinates. If the license plate of an unauthorized vehicle crosses into the restricted area, a Law Enforcement Command Center will be notified instantaneously and local units can respond to the incident.



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What Partner Agencies
are saying about our ALPR:

The system was used for a gang rivalry... We were able to successfully download the tags we captured and identify some of the folks in the gangs. It ...[Read More](#)

Trooper Sean, TN Highway Patrol

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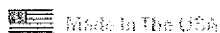
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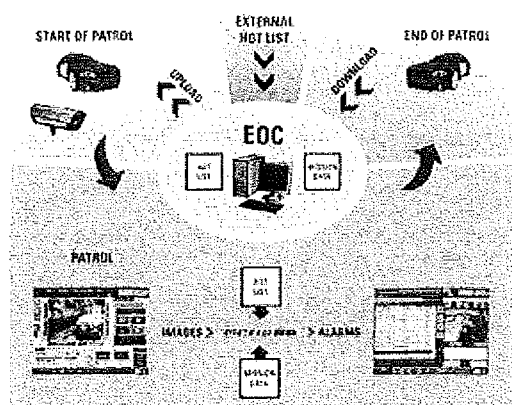
OPERATIONS CENTER

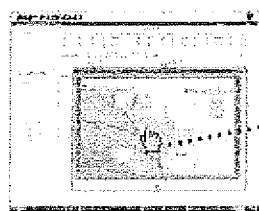
The ELSAG Operations Center™ collects, analyzes and manages all of the data collected by the MPH-900® Automatic License Plate Reader. Your agency's ALPR units collect vast amounts of data that help resolve issues in real time, as well as provide critical intelligence to aid investigations. The ELSAG Operations Center™ is the brain that manages all of these intelligence assets. It runs automatically without user intervention.

Features of the ELSAG Operations Center™

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

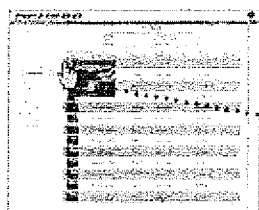
The ELSAG Operations Center's intuitive interface requires little training. Easy to use screens provide a simple way to perform analysis.





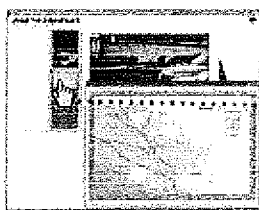
Point-and-click makes searching easy.

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



Thumbnail photos allow quick determination of vehicle of interest.

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



Integrated mapping shows vehicle position.

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



Instantly map all of the plates that you searched for.

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

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"It was DNA 10 years ago; LPR is the NEXT Revolution in Policing..." — **Dr. Stanley Erickson, National Institute of Justice**

"Working with the MPH-900 is like fishing with dynamite...it's tremendous." — **Arizona DPS' Director, Roger Vanderpool**

"The system was used for a gang rivalry... We were able to successfully download the tags we captured and identify some of the folks in the gangs. It [The MPH-900] has helped out tremendously." — **Trooper Sean, TN Highway Patrol**

"We were able to not only obtain from the LPR photo the License Plate number, but also unique identifying features on the front of the vehicle that enabled us to place the defendant's car at the scene of the crime." — **Dutchess County, NY District Attorney William Grady**

"The MPH-900 definitely saves time...I would say it's at least doubled our arrest stats." — **Officer on Auto Theft Task Force, Metropolitan DC/Maryland Area**

"The MPH-900 tag reader sees what I can't and I believe those girls are alive today because of it." — **Retired Atlanta Officer, Steve Hedley**

"Steven, I wanted to update you on our ALPR success story. We had an armed robbery Sunday night August 16, 2009 in the county. I had just ridden by the business probably one or two minutes before the call went out. I remembered some of the vehicles but not all. I, of course, responded to the scene. When I arrived, myself and other deputies cleared the building. I went back to my car to see what the ALPR may have captured. The system had captured a number of tags around the time of the robbery in very close proximity. We started checking registration on the tags and found one that was quite out of place. I turned over all the tag numbers to the investigator and went about my business. The next night I spotted one of the tags on the other side of town. I stopped the vehicle and talked to the driver who lied and denied being near the scene. When I told him about the ALPR (or E.T. as the cameras are affectionately known in the department) and that I had pictures of his vehicle near the scene, he admitted he had been there. He said he was on the way home from a restaurant that is nowhere near the robbery. He went on to say he knew about the robbery because his cousin was the clerk who got robbed. Hmm? Needless to say, investigators followed up on this and finally got a confession from this driver and the clerk, who are roommates, and had set-up the whole thing. So, I wanted to let you know the system, and one of its many capabilities scored a good lick in middle Georgia. I was impressed with what we accomplished in a short period of time on scene based on the captures. As the investigator told me tell your system thanks, it provided the lead. So, I say to you thanks." — **Sgt. Brad Wolfe, Blount County S.O.**

"George, Thanks for coming out and adjusting my cameras a few weeks ago. They are working great. This morning, an ATF friend of mine called to see if I was working US 220. When I told him I was, he gave me a tag to a rental car that DEA, ATF, US Marshall's, and Roanoke PD Organized Crime Unit wanted. They had scoured the city for hours trying to find this guy. I was very familiar with the guy. He is one of Roanoke's most dangerous drug dealers. The city, Feds, and State Police have been trying to put charges on he, his brother, and their drug crew. In the twelve years I have been aware of these guys, nothing sticks because the intimidate and shoot witnesses. These guys have bodies/homicides to their name that no one can prove. You can imagine Law Enforcement's excitement when the main player was indicted in Federal Court on Weapons and Conspiracy to Distribute Cocaine charges. They began kicking doors at 0300. The main target got word and went into hiding. This large group of officers/troopers/agents looked for hours and couldn't find him. As usual, they never alerted the guys working the streets and highways, because they wanted to make the grab. My ATF buddy finally reached out to me and I entered the tag of the rental car in my software. They thought he might flee the city at some point. I knew he had contacts in Greensboro. I set up in the south bound lane on the right shoulder so I could monitor both southbound lanes. Within ten minutes, my laptop started beeping and there on my screen was a photo of my target vehicle. I followed him south until backup was close and made the stop. I was able to secure him without incident. His baby's mama was driving with him and four little kids. They were fleeing to Greensboro. If he had got past us, he would have escaped detection for a while if not forever. Needless to say the whole Roanoke Law Enforcement Community blew my phone up all day thanking me. Be safe Deputy John Hoover & K-9 Bary Franklin County Sheriff's Office Rocky Mount,

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What Partner Agencies
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It was DNA 10 years ago; LPR is
the NEXT Revolution in Policing...

*Dr. Stanley Erickson, National
Institute of Justice*

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Frequently Asked Questions

"We are a small department. How can the MPH-900 be used by my department?"

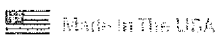
The size of your department does not affect the need for ALPR. Small, medium, and large departments are currently deploying the MPH-900, and experiencing incredible success in their individual missions. ALPR aids in missions, such as:

- Recovery of Stolen Vehicles
- Terrorist Interdiction
- Identification of suspended and revoked drivers
- AMBER Alerts
- Secures sensitive areas with Geo-fencing
- Gang and narcotic interdiction
- Collection of Delinquent Taxes, Fines, and Fees
- Homeland Security Initiatives
- Highway and Traffic Safety

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What Partner Agencies
are saying about our ALPR:

The MPH-900 tag reader sees
what I can't and I believe those
girls are alive today because of it.

Retired Atlanta Officer, Steve
Hedley

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"What is OCR?"

OCR stands for Optical Character Recognition, and is an acronym heard often when discussing ALPR. OCR refers to the camera's ability to scan the images of letters and numbers on a license plate, and then translate those images into text. The images of license plates are scanned by infrared light housed in each camera head. The infrared light scans the images of license plates and then simultaneously translates those images into computerized text in the span of milliseconds. ALPR uses OCR to capture up to 3600 plates per minute.

"What is the MPH-900 install process?"

An ELSAG representative will help your department install and set-up your new ALPR system. The system is comprised of two, three, or four cameras magnetically mounted to the trunk of your patrol car. The MPH-900 software is installed on your existing MDT. The Operations Center Suite Software can be installed on a "home-based" server to wirelessly collect data and upload current hot lists to the patrol cars.

"My department's budget is tight, but we really want to purchase the cameras. How can we pay for them?"

ELSAG North America is committed to helping your agency obtain the MPH-900. Many agencies have funded their ALPR cameras with grant money. Grant money can be obtained on the state, local, and federal level. Also, many corporations, foundations, and insurance companies are eager to support law enforcement through funding. ELSAG North America will assist your agency with identifying avenues of funding.

[Click here for more information on grant assistance.](#)

"What happens if our department experiences technical issues with the system?"

ELSAG North America is committed to helping our customers 24/7! This literally means that someone will answer your call and talk you through your technical issue 24 hours a day, 7 days a week. Our customers are our number 1 priority.

"Is it possible to custom design our system?"

Absolutely! ELSAG North America specializes in custom designed solutions to each agency's needs. We have created many new solutions based on feedback from our agency customers. We are experienced in custom designs and installation, and are excited to further your agency mission with our Advanced License Plate readers!

"How many plates can the MPH-900 read?"

The MPH-900 can capture up to 3,600 license plates per minute! Day or night, rain or shine, the MPH-900 is working to capture hundreds of license plates per second.

"My department is in Canada. Can your MPH-900 read Canadian license plates?"

The MPH-900 can read plates from all 50 states, Canada, and Mexico, Day and Night. No other ALPR system can come

close to the accuracy rate of the MPH-900.

"How will the MPH-900 aid in investigations? "

The MPH-900 captures a color image of the license plate, date and time stamps, and GPS coordinates of the vehicle. This data can be reviewed in relation to investigations and can help lead to critical breaks such as placing a suspect at a scene, witness identification, pattern recognition or the tracking of suspect individuals.

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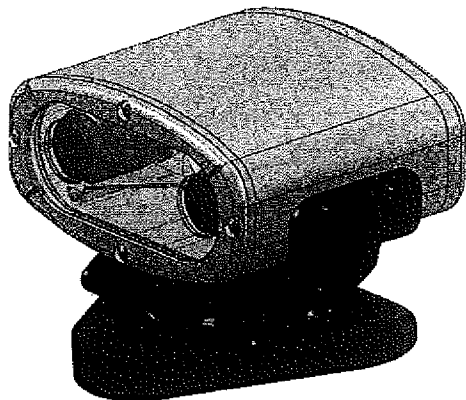
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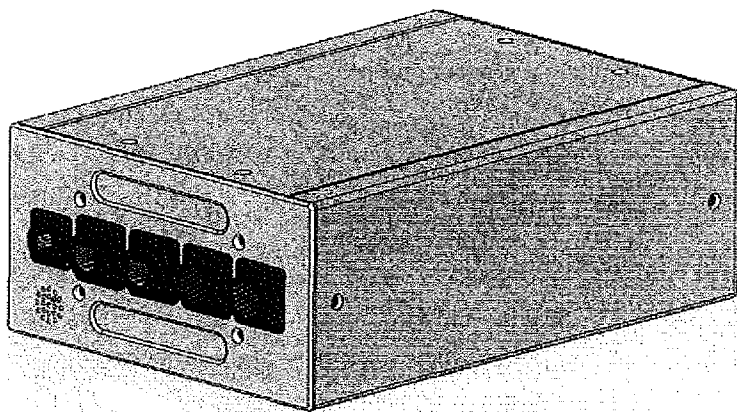


ELSAG North America Law Enforcement Systems, LLC

MPH900 AD3 Split LPR System



AD3 Split Camera (shown on clicker base)



AD3 Split Processing Box (2 Camera Box Shown)



ELSAG North America Law Enforcement Systems, LLC

AD3 Split System Specifications:

AD3 Split Camera LPR Sensor		
	B&W Camera	Progressive Scan CCD (12-50mm available)
	Color Camera	Ex-View CCD Pal Video Format (6-25mm available)
	Optics Interface	C Mount
	IR Illumination	Std. 735nm discrete LED, driven w/ high current pulses synchronized with camera shutter. (810-880nm available)
	Operating Temperature	-20 – 55°C (-5 – 131°F)
	Environmental	Internal Heater
	Housing Protection	IP67
	Operating Humidity	10 – 90% non condensing
	Overall Size	3.13" x 6" x 5.5" (w/o base)
	Camera Weight	3.5 lbs. (w/o base)
	Cable Interface	Proprietary 23 pin connector IP67 rated
	Camera Base Options	Magnet Mount
		Hedley Mount
		Clicker Base Mount
		Permanent Bulkhead Mount
		Whelan Light-bar Interface Mount
	Safety Feature	Class 1 Illuminator, EN60825-1 compliant
AD3 Split Processor Box		
	Processing Board	Processor embedded, Linux real time operating system
	Housing Protection	IP65
	Communication	100 Mbit fast Ethernet adapter
	Data packet	For each Read system generates; • Read License Plate String • Date-Time Stamp • Camera Identifier • JPEG compressed Grayscale and color overlay JPEG of the plate
	OCR Training	Regionalized OCR optimization
	Operating Temperature	-20 – 55°C (-5 – 131°F)
	Operating Humidity	10-90%
	Power Requirements	12 VDC / 5.5A 66 Watts (maximum)
		12 VDC / 2.4A 29 Watts (normal operation)
	Processor Box Weight	5.3 lbs.
	Processor Size	8" x 11" x 4" (2 port box)



ELSAG North America

205-H Creek Ridge Road
Greensboro, NC 27406

Duns # 196140821
Phone: 866-9MPH900 (967-4900)
Fax: 336-379-7164

11/3/2010
QUOTATION

Delivered to:
High Point Police Department
1009 Leonard St.
High Point, NC
C/O Capt. Hamrick
(336)887-7805

Quotation valid until: January 2, 2011
Prepared by: Craig Duncan
Projected Arrival Date: TBD

Model #	Description	Cost	Units	Amount
MPH-900X3	Mobile License Plate Reader - Includes LPR Processor, 6 cameras (3 color and 3 infrared LPR in three enclosures), cables and related software.	\$18,555	1	\$18,555.00
INST SUP	Day rate for ELSAG North America installation staff either on site or in the development lab.	\$1,350	1	FREE
MPH-900 OPC	Operations Center License designed to coordinate multiple fixed and mobile units across.	\$975	1	\$975.00
Phone Support	24 Hour Telephone Support by qualified MPH-900 technicians			FREE
ON-SITE TRAINING	Included in the purchase of both transportable and permanent MPH-900 installations available in group and individual sessions.			FREE
TRAINING CENTER MEMBERSHIP	Unlimited access to ELSAG North America training classes held either in the field or at Company Facilities.			FREE
			TOTAL	\$19,530.00

Service Plan for goods and services provided by the above quote

			Due Date
Year I	Free	Hardware and Software	
Year II	Free	Hardware and Software	1 year after receipt
Year III	Free	Hardware and Software	2 years after receipt
Year IV	\$1,600	Hardware and Software	3 years after receipt
Beyond	\$1,600	Software Only	4 years after receipt

Service Plan Includes:
- Software Updates
- Annual Training/Service
- Parts & Labor

Approval Signature: _____

TONY HAMRICK

From: Craig Duncan [craig.duncan@elsagna.com]
Sent: Wednesday, November 03, 2010 2:25 PM
To: TONY HAMRICK
Subject: ELSAG LPR SPECS
Attachments: image002.jpg; Split Spec Sheet.pdf; HIGH POINT PD 11 3 10.pdf

Importance: High

Capt.,

Per your request, I have attached the specs for our LPR system like the one on your car currently. I have also updated the quote for your review, allowing for **FREE** installation and the **first three years of warranty FREE**, that's a savings of **\$6,150** since you are literally in our back yard.

What you get with the ELSAG LPR system.

- MISSION CRITICAL LOCAL TECH SUPPORT 24/7 – **FREE 3 YEAR ALL INCLUSIVE WARRANTY** WHICH INCLUDES HARDWARE AND SOFTWARE UPDATES
- DIGITAL CAMERA SYSTEM, **NOT ANALOG, GIVING YOU A LARGER 'SWEET SPOT' ALLOWING FOR MORE READS THAN THE COMPETITION**
- SERVER BASED ELSAG OPERATION CENTER (EOC) FOR INTEL AND MANAGEMENT TOOLS
- 6 CAMERAS IN 3 HOUSINGS – INFRARED ILLUMINATOR, DIGITAL COLOR CAMERA, DIGITAL B/W CAMERA IN EACH HOUSING WITH NITROGEN PRESSURIZED CONSTRUCTION LIKE YOUR HIGH END TACTICAL OPTICS FOR **ALL WEATHER CAPABILITY**
- TEMPERATURE CONTROLLED CAMERA HOUSINGS AND TRUNK MOUNTED PROCESSOR BOX FOR HIGH EFFECIENCY AND ALL WEATHER RELIABILITY
- MIL SPEC CABLING AND CONSTRUCTION
- YOUR CHOICE OF MOUNTING SOLUTION
- MINIMAL MDT SOFTWARE FOOTPRINT
- **FREE** COMPLETE LPR, MDT SOFTWARE, AND SERVER EOC SOFTWARE INSTALLATION
- HOT LIST SET UP AND MAINTENANCE - UNLIMITED HOT LIST DATA MERGER AND LIST CONSTRUCTION/IMPLEMENTATION
- **FREE** ON SITE TRAINING & REOCCURING TRAINING FOR NEW OFFICERS AND USERS OVER TIME
- LOCAL JURISDICTION- ABILITY TO HELP DEVELOP AND TRY NEW SYSTEMS AND TECHNOLOGY BEFORE ANYONE ELSE
- THERE ARE **NO ADDITIONAL REOCCURING COSTS** OTHER THAN ADDITIONAL YEARS OF WARRANTY AFTER YOUR INITIAL FREE THREE(3) YEARS.
- KNOWLEDGE THAT YOU HAVE JOINED AN EXCLUSIVE GROUP OF LPR USERS, **80% OF THE DOMESTIC LPR DEPLOYMENTS HAVE ELSAG'S NAME ON THEM!**
- AVAILABLE REFERENCES FROM OVER 1,000 AGENCIES ACROSS THE COUNTRY INCLUDING THE FBI, DEA, SECRET SERVICE, BOARDER PATROL, NYPD, WASHINGTON DC PD & CAPITAL POLICE.

We want to **EARN** your business and we want you to be in the ELSAG Club, especially since you are so close to our Greensboro Headquarters. Let me know what we need to do to earn your business!

Best Regards,

TONY HAMRICK

From: DEREK STAFFORD
Sent: Friday, August 13, 2010 8:49 AM
To: GARY SMITH; TONY HAMRICK; CHERIE MANESS; ALVESTUS WILLIAMS III; THOMAS HANSON; EDDIE MCCLUNEY
Cc: JIM TATE
Subject: License Plater Reader Demo
Attachments: image001.jpg

2010 Ford

CORRECTION ON CAR: Looks like #137 will be the car targeted for the LPR demo.

From: GARY SMITH
Sent: Thursday, August 12, 2010 6:01 PM
To: DEREK STAFFORD
Subject: RE: License Plater Reader Demo

Equip # 137 is the car that the system will be installed in. Equip # 225 is the spare. Thanks!

From: DEREK STAFFORD
Sent: Thursday, August 12, 2010 4:19 PM
To: ALVESTUS WILLIAMS III; CHERIE MANESS; EDDIE MCCLUNEY; THOMAS HANSON
Cc: GARY SMITH; GARY TODD; JIM TATE; MARTY SUMNER
Subject: License Plater Reader Demo



Captains,

HPPD is planning to purchase two *License Plate Readers* (LPR) with grant money in the upcoming weeks/months. One of the vendors, Elsag, is out of Greensboro. Elsag has offered to fully equip a HPPD vehicle with their LPR, and allow our agency to demo their LPR system for several weeks. Obviously we will want to maximize our use this demo opportunity. Captain Hamrick is coordinating this demo session with Elsag.

The tentative plans are to take a single police vehicle, #225, and get it equipped by Elsag. We are planning to *hot seat* this vehicle on first and third shifts during our demo opportunity. This demo should begin at/about September 2, 2010 when the Patrol work cycle begins.

I would like for each Commander to designate a single officer from A-C-E-F teams to be trained and use the car in a shared hot seat fashion. The way this will work is that the officer will use it on first shift, then the third shift officer will use it and so forth. This way the car will be used every day, 21 hours each day during this evaluation period.

Captains are asked to select officers who will take this demo seriously, and who will be able to document/articulate their opinions for this product.

The car that we are planning to use is not a spare, therefore officers should keep it clean and serviceable.

TONY HAMRICK

From: EDDIE MCCLUNEY
Sent: Monday, August 23, 2010 11:17 PM
To: DEREK STAFFORD; TONY HAMRICK
Cc: WALTER HEAVILAND
Subject: RE: License Plater Reader Demo
Attachments: image001.jpg

Travis Reams is the Adam Team Officer selected for this assignment.

Eddie B. McCluney

From: DEREK STAFFORD
Sent: Friday, August 13, 2010 8:49 AM
To: GARY SMITH; TONY HAMRICK; CHERIE MANESS; ALVESTUS WILLIAMS III; THOMAS HANSON; EDDIE MCCLUNEY
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Captains are asked to select officers who will take this demo seriously, and who will be able to document/articulate their opinions for this product.

The car that we are planning to use is not a spare, therefore officers should keep it clean and serviceable.

Please discuss with your staff, make your selections and let Captain Hamrick know your selection by 08/25/10. Please see Captain Hamrick or myself if you have questions.

Derek Stafford

Assistant Chief of Police
High Point (NC) Police Department
336.887-7880
derek.stafford@highpointnc.gov

TONY HAMRICK

From: DEREK STAFFORD
Sent: Tuesday, August 10, 2010 11:01 AM
To: TONY HAMRICK
Subject: ELSAG LPR - HIGH POINT - DEMO UNIT

I will talk with Majors today and Chief on Thursday. I have already looked ahead and we could start on 09/02/10 with Charlie DAY and Fox THIRD hot-seating a single car...this would get us 21 hrs a day to demo.

What is "hotlines" of the hot list ?

From: TONY HAMRICK
Sent: Tuesday, August 10, 2010 10:58 AM
To: DEREK STAFFORD
Subject: FW: ELSAG LPR - HIGH POINT - DEMO UNIT
Importance: High

I think this would be a good idea. If executive staff approves, I will get with Lance and get Craig the info he needs. I will just need to know what car we will use and what officers will be trained on the software. I was thinking 1 Housing, 1 Traffic, 1 from A,B,E and 1 from C,D,F. Between those four we should be able to keep the system out working most of the time. Let me know.

Captain Tony Hamrick

From: Craig Duncan [mailto:craig.duncan@elsagna.com]
Sent: Tuesday, August 10, 2010 10:40 AM
To: TONY HAMRICK
Cc: Bob Hanson
Subject: ELSAG LPR - HIGH POINT - DEMO UNIT
Importance: High

Capt.,

Thanks again for taking the time to visit with me yesterday as we certainly appreciate the opportunity to work with you and HPPD. With that said, we discussed the installation of a demo LPR unit on one of your cars. I can possibly have a system ready for you next week if that would work? We need to see if we can get one or two lines of their Local hotlist so we can get the script written for your demo system. Is there any way you can email me that info so we can get our data work done beforehand? Then all we have to do is install and train your users and they are off and reading plates with your specific hot list as well as NCIC.

Best Regards,

Craig Duncan
ELSAG North America
(910)986-0596
Customer Service 866-9MPH900
www.elsagnorthamerica.com
205-H Creek Ridge Road
Greensboro, NC 27406

8563
Derek M. Egan



ELSAG North America

205-H Creek Ridge Road
Greensboro, NC 27406

Duns # 196140821
Phone: 866-9MPH900 (567-4500)
Fax: 336-379-7164

11/22/2010
QUOTATION

Delivered to:
High Point Police Department
RFP 1649-112310

Quotation valid until: January 21, 2011
Prepared by: Craig Duncan
Projected Arrival Date: TBD

Model #	Description	Cost	Units	Amount
SX88888	WHELEN LIBERTY SX 48.50 LC B/B/B/B	\$1,631	2	\$3,262.50
SLD88	WHELEN OPT. ADD 2 LED BLUE/BLUE		10	
SXT151	WHELEN LIBERTY SX LR11 T-D LV 2		2	
SPALF1	WHELEN LIBERTY SX LR11 ALLEY LT PR		2	
MKEZ47	E-Z LIGHTBAR MOUNT KIT #47		2	
295SL5A6	SIREN CONTROL CENTER		2	
SA315P	SPEAKER, BLACK PLASTIC		2	
SAK17	MOUNT KIT FORD CROWN VIC		2	
HOWLER	LOW FREQ TONE SIREN SYS	\$477	2	\$954.00
HWLRB1	REPLACEMENT HOWLER BRKT CV		2	
LABOR	LIGHTBAR/HOWLER INSTALL	\$550	2	\$1,100.00
WHELEN	WHELEN WARRANTS ALL LIGHTBAR/HOWLER EQUIPMENT DIRECTLY		2	
TOTAL				\$5,316.50

Service Plan for goods and services provided by the above quote

			Due Date
Year I	Whelen	Hardware and Software	
Year II	Whelen	Hardware and Software	1 year after receipt
Year III	Whelen	Hardware and Software	2 years after receipt
Year IV	Whelen	Hardware and Software	3 years after receipt
Beyond	Whelen	Software Only	4 years after receipt

Service Plan Includes:

- Software Updates
- Annual Training/Service
- Parts & Labor

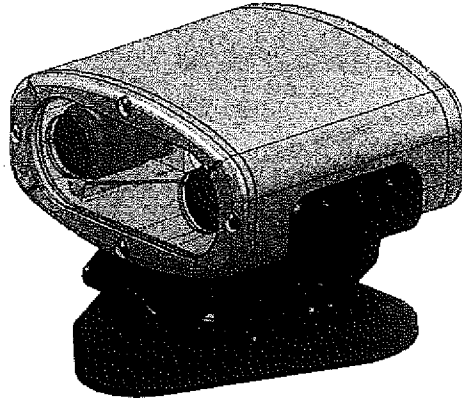
Approval Signature: _____

Recd
11-22-10

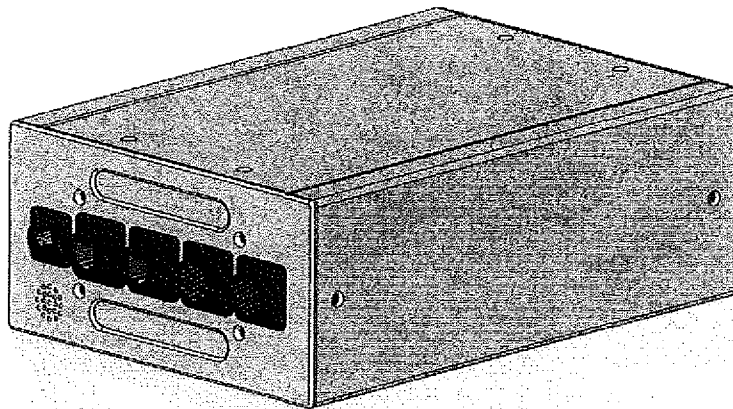


ELSAG North America Law Enforcement Systems, LLC

MPH900 AD3 Split LPR System



AD3 Split Camera (shown on clicker base)



AD3 Split Processing Box (2 Camera Box Shown)



ELSAG North America Law Enforcement Systems, LLC

AD3 Split System Specifications:

AD3 Split Camera LPR Sensor		
	B&W Camera	Progressive Scan CCD (12-50mm available)
	Color Camera	Ex-View CCD Pal Video Format (6-25mm available)
	Optics Interface	C Mount
	IR Illumination	Std. 735nm discrete LED, driven w/ high current pulses synchronized with camera shutter. (810-880nm available)
	Operating Temperature	-20 – 55°C (-5 – 131°F)
	Environmental	Internal Heater
	Housing Protection	IP67
	Operating Humidity	10 – 90% non condensing
	Overall Size	3.13" x 6" x 5.5" (w/o base)
	Camera Weight	3.5 lbs. (w/o base)
	Cable Interface	Proprietary 23 pin connector IP67 rated
	Camera Base Options	Magnet Mount
		Hedley Mount
		Clicker Base Mount
		Permanent Bulkhead Mount
		Whelan Light-bar Interface Mount
	Safety Feature	Class 1 Illuminator, EN60825-1 compliant
AD3 Split Processor Box		
	Processing Board	Processor embedded, Linux real time operating system
	Housing Protection	IP65
	Communication	100 Mbit fast Ethernet adapter
	Data packet	For each Read system generates; • Read License Plate String • Date-Time Stamp • Camera Identifier • JPEG compressed Grayscale and color overlay JPEG of the plate
	OCR Training	Regionalized OCR optimization
	Operating Temperature	-20 – 55°C (-5 – 131°F)
	Operating Humidity	10-90%
	Power Requirements	12 VDC / 5.5A 66 Watts (maximum)
		12 VDC / 2.4A 29 Watts (normal operation)
	Processor Box Weight	5.3 lbs.
	Processor Size	8" x 11" x 4" (2 port box)



ELSAG North America

205-H Creek Ridge Road
Greensboro, NC 27406

Duns # 196140821
Phone: 866-9MPH900 (967-4900)
Fax: 336-379-7164

11/22/2010

QUOTATION

Delivered to:

High Point Police Department
1009 Leonard St.
High Point, NC
C/O Capt. Hamrick
(336)887-7805

Quotation valid until: January 21, 2011

Prepared by: Craig Duncan

Projected Arrival Date: TBD

Model #	Description	Cost	Units	Amount
MPH-900X3	Mobile License Plate Reader - Includes LPR Processor, 6 cameras (3 color and 3 infrared LPR in three enclosures), cables and related software.	\$18,555	2	\$37,110.00
INST SUP	Day rate for ELSAG North America installation staff either on site or in the development lab.		2	FREE
MPH-900 OPC	Operations Center License designed to coordinate multiple fixed and mobile units across.	\$975	2	\$1,950.00
Phone Support	24 Hour Telephone Support by qualified MPH-900 technicians			FREE
ON-SITE TRAINING	Included in the purchase of both transportable and permanent MPH-900 installations available in group and individual sessions.			FREE
TRAINING CENTER MEMBERSHIP	Unlimited access to ELSAG North America training classes held either in the field or at Company Facilities.			FREE
			TOTAL	\$39,060.00

Service Plan for goods and services provided by the above quote

			Due Date
Year I	Free	Hardware and Software	
Year II	Free	Hardware and Software	1 year after receipt
Year III	Free	Hardware and Software	2 years after receipt
Year IV	\$1,600	Hardware and Software	3 years after receipt
Beyond	\$1,600	Software Only	4 years after receipt

Service Plan Includes:

- Software Updates
- Annual Training/Service
- Parts & Labor

Approval Signature: _____

REQUEST FOR PROPOSALS - ALPR SYSTEM



City Of High Point
Purchasing Division
211 S. Hamilton St., PO Box 230
High Point, NC 27260
Phone: 336-883-3219 Fax: 336-883-3248
T Robert (Bob) Martin, Purchasing Manager
purchasing@highpointnc.gov

PROPOSAL NUMBER: 1649-112310	DATE: November 15, 2010
QUOTE DUE NO LATER THAN Tuesday, November 23, 2010 at 5:00 PM	
BUYER: Patty Sykes patty.sykes@highpointnc.gov TELEPHONE: (336) 883-3220	Bid price shall be FOB Destination and include delivery and installation to: City of High Point Police Department Attn: Captain Tony Hamrick 1009 Leonard Ave. High Point, NC 27260

- Pursuant to General Statutes of North Carolina, Section 143-129, as amended, bids and proposals subject to the conditions and specifications herein, are invited for materials and equipment as described herein.
- Prices or any other entry made hereon by the bidders shall be considered firm and not subject to change or withdrawal.
- Bidders certify under penalty of perjury that this bid has not been arrived at collusively and that no Federal or North Carolina antitrust laws have been violated.
- State and County sales taxes shall not be included in the bid prices. Sales tax shall be added to vendors invoice and will be paid to vendor at time of invoice payment.
- Bidders shall sign this form and return it with additional bid documents on or before the above date and time, to the City of High Point Purchasing Division, P O Box 230 (27261), 211 S. Hamilton St., High Point, NC 27260. Bids may be returned by Fax to 336-883-3248 or email patty.sykes@highpointnc.gov

ELSAG N/A.
Company Name
205 H CREEK RIDGE Rd.
Address
Greensboro NC 27406
City State Zip
craig.duncan@elsagna.com
E-mail

Signature
Craig W. Duncan
Above (typed or printed)
11/22/2010
Date
(910) 986-0596 (336) 379-7164
Telephone Fax

☒ By checking this box, I acknowledge that I have read and accept the terms and conditions associated with this bid.

PROPOSAL
AUTOMATED LICENSE PLATE RECOGNITION SYSTEM
BID NO. 1649-112310

QTY	DESCRIPTION	UM	UNIT PRICE	TOTAL PRICE
2	License Plate Reader Slate-810-LE-G (or approved equal)	Ea	18,555.00	37,110.00
Brand & Model Offered		ELSAQ NA - MPH-900x3: LPR PROCESSOR 6 CAMERAS IN 3 HOUSINGS, CABLES, SOFTWARE		
2	System Software	Ea	- 0 -	- 0 -
Brand & Model Offered		ELSAQ- CARSYSTEM		
2	Server Hardware Platform	Ea	975.00	1,950.00
Brand & Model Offered		MPH-9000 PC		
Installation - including Field Engineering services for installation, configuration, and training for mobile ALPR system, including system administration and user training on software.				
Installation		FRBS	\$	- 0 -
Extended Warranty Pricing (after 1 year warranty expiration)				
	Year 1	Per Year	- 0 -	
	Year 2	Per Year	- 0 -	
	Year 3	Per Year	- 0 -	
Licensing Fees				
	One Administrator & Two User License	Per Year	- 0 -	
	One Administrator & Five User License	Per Year	- 0 -	
Additional Equipment Pricing				
2	Lightbars - Whelen Liberty SC LED Lightbar with Traffic Advisor (or approved equal)	Ea	1,631.25	3,262.50
Brand Name & Model Offered		WHELAN - SEE ATTACHED		
2	Rumbler™ Intersection-Clearing System (or approved equal)	Ea	476.60	953.20
Brand Name & Model Offered		WHELAN - SEE ATTACHED		
LIGHT BAR RUMBLER INSTALL			550	1,100.00
Delivery and Installation will be made within 30 days after receipt of order		Payment Terms: Net 30		

PROPOSAL
AUTOMATED LICENSE PLATE RECOGNITION SYSTEM
BID NO. 1649-112310
 (Page 2)

SERVICE: Adequate and satisfactory availability of repair parts, supplies and ability to meet warranty requirements are necessary. The City reserves the right to satisfy itself by inquiry or otherwise as to bidder's capabilities in this regard. The bidder shall offer warranty service by a qualified technician/mechanic at user's site. List below firms nearest in location to the user from which to obtain parts and service after the warranty has expired.

FIRM NAME	LOCATION	CONTACT	PHONE
ELSAG NA	205 H CREEKRIDGE RD - GREENSBORO, NC 27406	TECH SUPPORT	(336) 379-7135 (866) 9MPH-900

REFERENCES: The vendor must demonstrate that he has proven experience in the installation of automated license plate recognition systems. Bidder should list below at least three (3) customers of comparable size who have purchased and are actively using the offered ALPR System.

FIRM NAME	LOCATION	CONTACT	PHONE
GEORGIA STATE PATROL	ATLANTA, GA	LT. KERMIT STOKES	(706) 272-2200
RICHLAND COUNTY SO	COLUMBIA, SC	MAS. JIM STEWART	(803) 576-3045
DURHAM COUNTY	DURHAM, NC	KIM SIMMONS	(919) 560-0306

Engineering excellence with a commitment to quality and customer satisfaction.

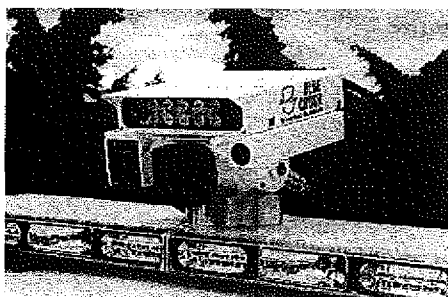
ESi is a high-tech electronics supplier to law enforcement, military, private industry security, health care, and detention.

ESI Companies

SkyCop® is a patented product.

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Mobile LPR & Video



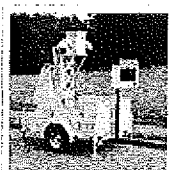
With funding dollars shrinking and burgeoning expectations for improved performance, efficiency, and crime detection, most agree the demands on a single officer have superseded his/her capabilities. For this reason, there is a strong need to place state-of-the-art technology such as mobile license plate readers with enhanced options such as thermal and infrared cameras in police cruisers. The SkyCop ® LPRV platform deploys engineering excellence to video, sensing, and acoustical electronic equipment to provide your officers with the tools to more effectively perform. The SkyCop ® LPR technology is proven to increase crime prevention and safety.

[Crime Center](#)
[Wireless Communication Capabilities](#)

MOBILE LPR AND VIDEO

[License Plate Recognition and Video](#)
[Digital Recording Systems](#)
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[Mobile Surveillance Systems](#)
[Solar Power Series](#)
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[Bait Car System](#)
[In-Car Video Systems](#)

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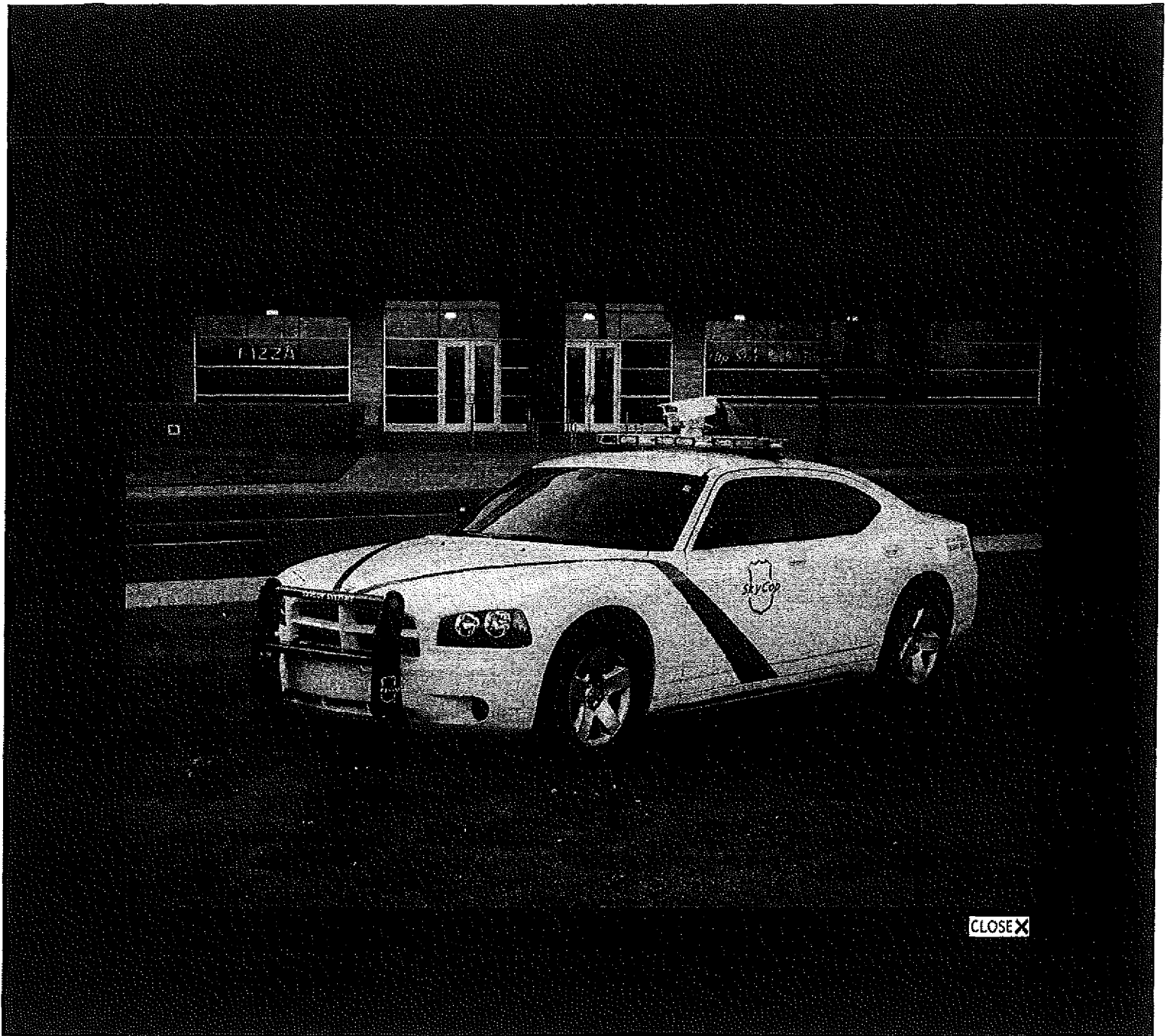
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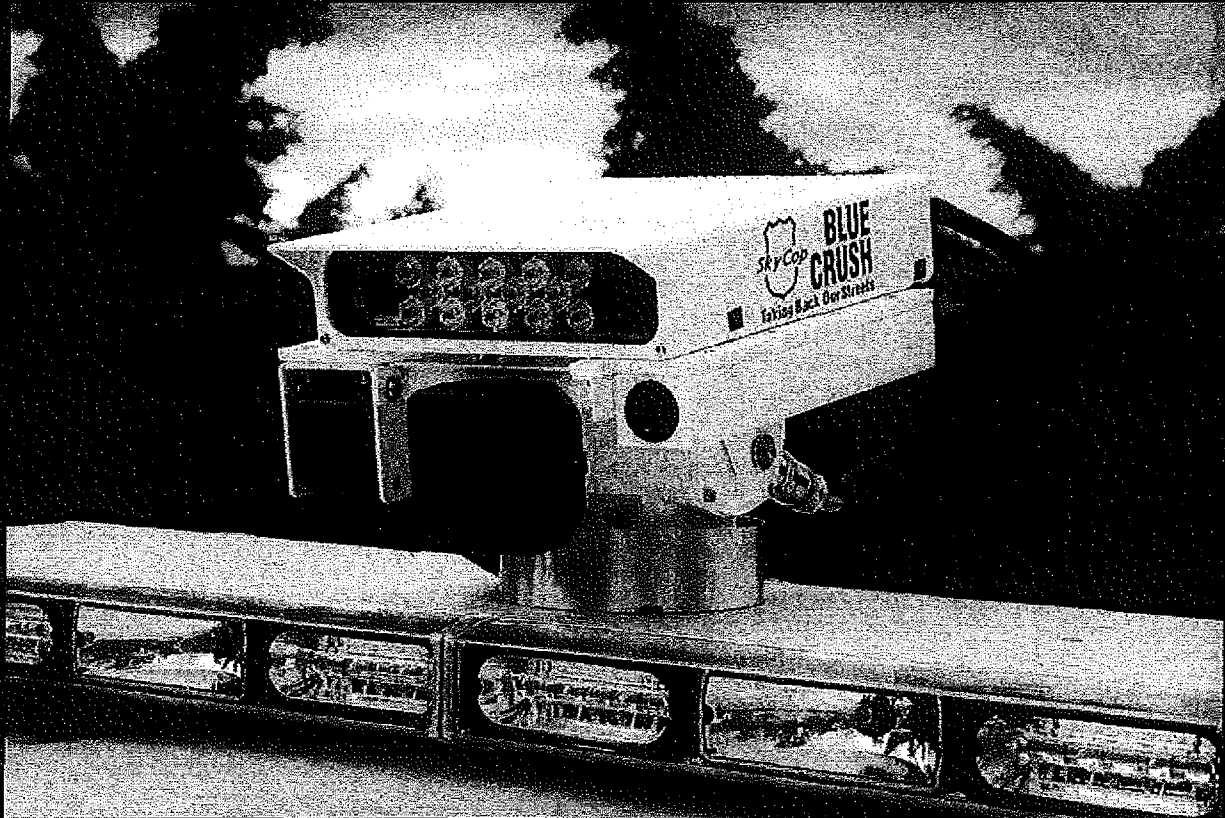
Email Address

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What people are saying

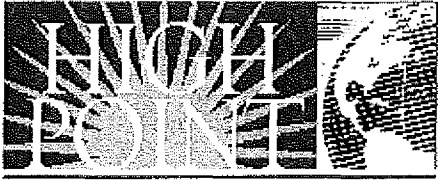
Don't just take our word for it, read these amazing stories of making a real difference »





CLOSE X

REQUEST FOR PROPOSALS – ALPR SYSTEM



NORTH CAROLINA'S INTERNATIONAL CITY™

City Of High Point
 Purchasing Division
 211 S. Hamilton St., PO Box 230
 High Point, NC 27260
 Phone: 336-883-3219 Fax: 336-883-3248
 T Robert (Bob) Martin, Purchasing Manager
purchasing@highpointnc.gov

PROPOSAL NUMBER: 1649-112310	DATE: November 15, 2010
QUOTE DUE NO LATER THAN Tuesday, November 23, 2010 at 5:00 PM	
BUYER: Patty Sykes patty.sykes@highpointnc.gov TELEPHONE: (336) 883-3220	Bid price shall be FOB Destination and include delivery and installation to: City of High Point Police Department Attn: Captain Tony Hamrick 1009 Leonard Ave. High Point, NC 27260

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- State and County sales **taxes shall not be included** in the bid prices. Sales tax shall be added to vendors invoice and will be paid to vendor at time of invoice payment.
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Company Name			Signature	
Address			Above (typed or printed)	
City	State	Zip	Date	
E-mail			Telephone	Fax

☐

By checking this box, I acknowledge that I have read and accept the terms and conditions associated with this bid.

**PROPOSAL
AUTOMATED LICENSE PLATE RECOGNITION SYSTEM
BID NO. 1649-112310**

QTY	DESCRIPTION	UM	UNIT PRICE	TOTAL PRICE
2	License Plate Reader Slate-810-LE-G (or approved equal)	Ea		
Brand & Model Offered				
2	System Software	Ea		
Brand & Model Offered				
2	Server Hardware Platform	Ea		
Brand & Model Offered				
Installation – including Field Engineering services for installation, configuration, and training for mobile ALPR system, including system administration and user training on software.				
Installation		\$		
Extended Warranty Pricing (after 1 year warranty expiration)				
	Year 1	Per Year		
	Year 2	Per Year		
	Year 3	Per Year		
Licensing Fees				
	One Administrator & Two User License	Per Year		
	One Administrator & Five User License	Per Year		
Additional Equipment Pricing				
2	Lightbars - Whelen Liberty SC LED Lightbar with Traffic Advisor (or approved equal)	Ea		
Brand Name & Model Offered				
2	Rumbler™ Intersection-Clearing System (or approved equal)	Ea		
Brand Name & Model Offered				

Delivery and Installation will be made within _____ days after receipt of order	Payment Terms: Net _____
---	--------------------------

PROPOSAL
AUTOMATED LICENSE PLATE RECOGNITION SYSTEM
BID NO. 1649-112310
(Page 2)

SERVICE: Adequate and satisfactory availability of repair parts, supplies and ability to meet warranty requirements are necessary. The City reserves the right to satisfy itself by inquiry or otherwise as to bidder's capabilities in this regard. The bidder shall offer warranty service by a qualified technician/mechanic at user's site. List below firms nearest in location to the user from which to obtain parts and service after the warranty has expired.

FIRM NAME	LOCATION	CONTACT	PHONE

REFERENCES: The vendor must demonstrate that he has proven experience in the installation of automated license plate recognition systems. Bidder should list below at least three (3) customers of comparable size who have purchased and are actively using the offered ALPR System.

FIRM NAME	LOCATION	CONTACT	PHONE

ADDITIONAL INSTRUCTIONS

Questions on technical specifications should be directed to: Captain Tony Hamrick, City Of High Point Police Department at 336-887-7805. All other questions may be directed to Patty Sykes, Senior Buyer, at 336-883-3220.

MAKE AND MODEL: Indicate manufacturers' name and model number of item offered in the spaces provided. **Complete descriptive literature and manufacturer's specifications shall be included in the bid.**

WARRANTY: Equipment shall be new and shall be guaranteed against defect in materials, workmanship, and performance in accordance with the manufacturer's standard warranty, except that in no event shall such coverage be less than one (1) year. Warranty coverage shall begin on the date of acceptance by the City of High Point. **Warranty service shall be available on site** at any location within the state of North Carolina. Defective units shall be repaired or replaced during the warranty period at no cost to the City of High Point or its representative.

INSTRUCTION BOOK: The vendor shall furnish a booklet or pamphlet giving complete instructions for the operation, lubrication, adjustment, and care of the equipment.

DEMONSTRATION: Bidder must be capable of demonstrating proposed equipment within seven (7) consecutive calendar days after notification at no additional cost to the City. If required, this will be a comprehensive demonstration at a site designated by the City with hands-on participation by agency operator(s) if necessary. Bids that fail to comply with this requirement may be subject to rejection.

EQUIPMENT AND ACCESSORIES: All equipment and accessories listed as standard items in the manufacturer's current product literature, but not listed in these specifications shall be included with the equipment.

SERVICE UPON DELIVERY: Unit shall be complete, serviced and ready for operation. The City will only accept and approve for payment equipment that is complete in every respect and ready for operation.

STANDARD PRODUCTION MODEL: The attached specifications include the requirement that the equipment herein requested be a "standard production model of the latest design". To meet this requirement the equipment offered shall be new and the latest production model as represented in the manufacturer's current published literature intended for the general public. Such literature must represent the specific configuration offered. Equipment offered otherwise may be subject to rejection.

CLEAN UP: Upon completion of the equipment delivery, the bidder shall remove and properly dispose of all packaging waste and debris from the user's site. The bidder shall be responsible for leaving the delivery areas clean and ready to use.

SPECIFICATIONS
AUTOMATED LICENSE PLATE RECOGNITION SYSTEM
BID NO. 1649-112310

The City of High Point is seeking proposals for an Automated License Plate Recognition System.

The specifications below give a general description of the characteristics and performance expected of the proposed system. The proposed system is to include all cameras, mounting hardware, computer hardware, software, accessories, labor and equipment necessary to provide a turnkey installed system.

Bidders shall supply with their bid, complete descriptive literature and specifications for offered equipment. Include any information which you think may be pertinent to the evaluation.

Hardware Specifications:

- The Cameras must be small and light weight enough, to attach to the vehicle's emergency lightbar so as not to obstruct or otherwise hinder visibility to the lightbar. Mounting bracket shall be furnished by the vendor
- Vendor shall also be capable of providing brackets for trunk lid mounts. These brackets must easily allow for rotation, tilt, and yaw adjustments.
- The system must be comprised of Infrared (IR) Cameras for effective license plate image capture in a variety of weather and lighting conditions.
- The Cameras must be capable of producing multiple license plate images with varying flash, shutter and gain settings to ensure a high quality image regardless of weather or lighting conditions.
- Cameras must be capable of scanning licenses plates of passing cars in seconds.
- Camera to include at a minimum: Camera processor, cable/connector(s), Client/server architecture, bracket mount assemblies.

ALPR Processor:

- The system must provide the customer with the ability to integrate to their existing MDC using Client – Server architecture in order to minimize processor usage on their existing MDC.
- The Automated License Plate Recognition (ALPR) Processor must be capable of detecting the presence of lawfully mounted vehicle license plates in the Cameras' Field of View (FOV) for image capture from the camera.
- The ALPR Processor must be designed to be trunk mounted and must incorporate an intelligent Power Supply Unit (PSU) that provides for a safe start-up and shut – down each time the vehicle's ignition is turned on and turned off.
- The ALPR Processor must control the power supplied to the Cameras and provide video connection points for simplified system wiring.
- Processor shall translate digital pictures into data, cross-reference that information with databases for wanted drivers, and relaying the information to police personnel instantaneously.
- The system shall return an alarm to the operator instantaneously and provide instant feedback and direction of the suspect vehicle. Audible and visual alarms inform the officer of the vehicle's location and the infraction related to the alarm.

- The ALPR Processor must be designed to meet the environmental conditions associated with a trunk-mounted unit.

Client (In Vehicle) Software Specifications

- The application software that resides in the police unit must provide for a User Name and Password as assigned by the System Administrator within the back office server software.
- System Software for system administration, data analysis and data storage, data mining, reporting, mapping via Google Maps, remote alerting, and networking in support of inter-agency data sharing.
- **Software to include one administration and 2 concurrent User Licenses.**
- The system must have the feature that allows “hot list” databases to be created either from within the server software or in the field by authorized users whereby authorized users must have the capability to add license plate data to the system’s database/s while in the field. All license plate data added by the authorized user will remain a part of the selected database until the database is ‘overwritten’ by the System Administrator or by a new or updated database(s).
- The system must provide live, simultaneous video display of all of the following data for any Cameras as selected by the user:
 - The IR License Plate Image
 - The license plate interpretation or system read
 - A corresponding color overview image of the vehicle displaying the captured IR license plate
 - The date and time stamp
 - Identification of the Camera capturing the image
 - The GPS Coordinates for every license plate captured by the system
- The Hit Screen must remain displayed until acknowledged by the officer, *and* while displayed, the system must continue to process license plate data in the background and all captured data must be stored in the system during this interval.
- In the event that a subsequent “match or hit” should occur while the original Hit Screen is displayed to the officer, the system must alert the officer that a second or subsequent “hit” occurred and the system is waiting for the officer’s intervention.
- The system must provide the System Administrator with the ability to customize audible alerts to differentiate between unique events within the software application.
- The system must provide a visual alert for each defined event that displays in the foreground regardless of other applications in use at that time.
- The system must provide the officer with the capability to mark a license plate read as a “misread.”
- The system must provide the officer with the capability to manually enter a license plate for the purpose of searching that license plate against the system’s database(s).
- The system must provide the officer with the capability to review all of the following:
 - “hits”
 - license plate images and associated data
 - license plate searches performed by the officer indicating the date and time the search was conducted
 - misreads

- The system must provide the officer with the ability to query the client software application to determine if a particular license plate has been captured in the system. If the license plate data is in the system, the officer must have the ability to review each license plate capture and the associated system data displayed on the Review Screen to include:
 - The IR License Plate Image
 - The corresponding color overview image of the vehicle
 - The date and time stamp and
 - The GPS coordinates
- The system must be capable of capturing license plates in any of the following modes: (a) an adjacent lane on either side of the police vehicle while driving through traffic and/or parking lots; (b) traffic in an adjacent lane while parked on the side or shoulder of a roadway; (c) any parking application from parallel to perpendicular parked car orientation with respect to the movement of the police vehicle and (d) an adjacent lane to capture the rear license plate of the vehicle as it passes the police unit or vice versa

Server Software Specifications

- As part of the overall system and functionality, a server software application must be provided so the customer can manage all the data collected by the various ALPR deployment (client applications), manage the database functions and manage the user administration functions.
- The system shall allow monitoring and management of both fixed, mobile, and portable ALPR units (devices) within the same application. Devices shall be able to be assigned to Sites for ease of management.
- The successful vendor must provide on-site system training for the system users and the System Administrator/s.
- The successful vendor must provide system installation
- All system documentation must be furnished in electronic format.

Standards and Testing Requirements

- The ALPR Cameras must meet “eye safe” certification standards, as established by an international testing agency.
- The ALPR Cameras must be sealed to IP67 Standards.
- The ALPR Cameras must meet BS EN 60068 2-27 requirements for Mechanical Shock.
- The ALPR Cameras must meet Mil. Std. 810F method 516.5, Procedure V requirements for Shock Crash Hazard.
- The ALPR Cameras must meet all the requirements set forth in:
 - Electrostatic Discharge (ESD), EN 61000-4-2 and
 - Radiated Emissions, FCC Part 15 and EN 5502

INSTRUCTIONS TO BIDDERS

GENERAL: All bids are subject to the provisions of the attached General Contract Terms and Conditions. All bid responses will be controlled by the Terms and Conditions included by the City of High Point. Bidder terms and conditions included as a part of published price lists, catalogs, and/or other documents submitted as a part of the bid response are waived and will have no effect either on the bid, or any contract which may be awarded as a result of this bid. **The attachment of any other terms and conditions may be grounds for rejection.**

Bidder specifically agrees to the conditions set forth in this paragraph by signature of the "BID" contained herein.

Pursuant to G.S. 143-48 and Executive Order No. 77, the State invites and encourages participation in this procurement by a business owned by minorities, women, and the handicapped.

MAKE AND MODEL: Indicate manufacturers' name and model number of item offered in the spaces provided on the quote form. The purpose of these specifications is to identify and establish general quality level desired. References to any Brand Names are not intended to be restrictive and comparable products of other manufacturers will be considered. However, bidders are cautioned that any deviation from specifications must be pointed out in their bid.

WARRANTY: Bidder guarantees equipment offered by him to be free from any and all defects in material and workmanship and warrants same for a period of one (1) year unless otherwise stated in the specifications. Such warranty is to cover the cost of all service, parts, labor and travel to and from points of service.

SPECIFICATIONS: Manufacturer's name and catalog numbers used in this bid are product specific unless the description states equivalent acceptable. These products are required for compatibility and continuity of support.

BID EVALUATION: The City of High Point reserves the right to reject any bid on the basis of the function, compatibility with user requirements, as well as cost. The City of High Point reserves the right to award this contract to a single overall bidder on all items, or to make award on the basis of individual items or groups of items, whichever shall be considered by the City of High Point to be most advantageous or to constitute its best interest. Bidders should show unit prices, but are requested to offer a lump sum price. The City of High Point will not be bound by oral discussions during evaluation process. Responsible purchasing agent should approve all contact regarding this award.

CANCELLATION: The City of High Point may terminate/cancel this contract at any time by providing written notice to the bidder at least thirty (30) days before the effective date of termination/cancellation.

SERVICE: Adequate and satisfactory availability of repair parts and supplies, and ability to meet warranty and service requirements are necessary. The City of High Point reserves the right to satisfy itself by inquiry or otherwise as to bidder's capability in this regard.

SAFETY: See attached General Terms & Conditions #11.

BID RESULTS: For bid results email purchasing@highpointnc.gov NO EARLIER than TWO DAYS following the bid close date.

*** *THE CITY OF HIGH POINT WILL NOT BE BOUND BY ORAL DISCUSSION REGARDING THIS REQUEST FOR BID. * ***

QUESTIONS: Questions regarding the specifications on this bid should be referred to the purchasing agent.

SPECIAL INTEREST GROUP DEFINITIONS:

Women Owned (51% and controlled by Women)

Handicapped Owned (51% owned & controlled by a Physically Handicapped Person)

Minority Owned (At least 51% of which is owned and controlled by minority group member. (Black, Asian, Hispanic, American Indian)

GENERAL TERMS AND CONDITIONS

1. **ACCEPTANCE AND REJECTION**: The City of High Point reserves the right to reject any and all bids, to waive any informality in bids, and unless otherwise specified by the bidder, to accept any item in the bid. If either a unit price or extended price is obviously in error or the other is obviously correct, the incorrect price will be disregarded.

2. **TIME FOR CONSIDERATION**: Unless otherwise indicated on the first page of this document, the offer shall be valid for 45 days from the date of bid opening. Preference may be given to bids allowing not less than 45 days for consideration and acceptance.

3. **TAXES**: No taxes shall be included in any bid prices.

a. **FEDERAL**: Generally, states and political subdivisions are exempt from such taxes, as excise and transportation. Exemption is claimed under Registry No. 56-70-0047K as provided by Chapter 32 of the Internal Revenue Code.

b. **OTHER**: Bid prices are not to include any sales, import, or personal property taxes. To the extent applicable, they are to be invoiced as a separate item(s)

4. **PRICE ADJUSTMENTS**: Any price changes, downward or upward, which might be permitted during the contract period, must be general, either by reason of market change or on the part of the bidder to other customers.

a. **NOTIFICATION**: Must be given to the City of High Point Purchasing Department, in writing, concerning any proposed price adjustments. Such notification shall be accompanied by copy of manufacturers' official notice or other evidence that the change is general in nature.

b. **DECREASES**: The City of High Point shall receive full proportionate benefit immediately at any time during the contract period.

c. **INCREASES**: All prices offered herein shall be firm against any increase for 180 days from effective date of the proposed contract. After this period, a request for increase may be submitted with the City of High Point reserving the right to accept or reject the increase, or cancel the contract. Such action by the City of High Point shall occur not later than 15 days after receipt and review by the City of High Point of a properly documented request for price increase. Any increases accepted shall become effective on a date to be determined by the City of High Point which:

1) Shall not be later than 30 days after the expiration of the original 15 days reserved by the City of High Point to evaluate the request for increase;

d. **INVOICES**: It is understood and agreed that orders will be shipped at the established contract prices in effect on dates orders are placed. Invoicing at variance with this provision will subject the contract to cancellation. Applicable North Carolina sales tax shall be invoiced as a separate item.

5. **PAYMENT TERMS**: Payment terms are Net 30 days after receipt of correct invoice or acceptance of goods, whichever is later. The City of High Point is responsible for all payments under the contract.

6. **AFFIRMATIVE ACTION**: The successful bidder will take affirmative action in complying with all Federal and State requirements concerning fair employment and employment of the handicapped, and concerning the treatment of all employees, without discrimination by reason of race, color, religion, sex, national origin, or physical handicap.

7. **CONDITION AND PACKAGING**: Unless otherwise indicated in the bid, it is understood and agreed that any item offered or shipped on this bid shall be new and in first class condition, that all containers shall be new and suitable for storage or shipment, and that prices include standard commercial packaging.

8. **PERFORMANCE BOND AND DEFAULT**: The City of High Point reserves the right to require performance bonds from successful bidder, as provided by law, without expense to the City. Otherwise, in case of default by the Bidder, the City may procure the articles or services from other sources and hold the Bidder responsible for any excess cost occasioned thereby. Default shall occur if the Bidder fails to perform any obligation under the contract and schedule and such failure remains uncured for more than thirty (30) days after receipt of written notice thereof from the City of High Point.

9. **SAMPLES**: Samples of items, when required, must be furnished as stipulated herein, free of expense, and if not destroyed will, upon request, be returned at the bidder's expense. Request for the return of samples must be made within 10 days following opening of bids. Otherwise the samples will become City of High Point property. Each individual sample must be labeled with bidder's name and item number. Samples, on which an award is made, will be retained for the contract period. These will be returned, if requested, ten days prior to expiration of the contract.

10. **SPECIFICATIONS**: Any deviation from specifications indicated herein must be clearly pointed out; otherwise, it will be considered that items offered are in strict compliance with these specifications, and successful bidder will be held responsible therefore. Deviations must be explained in detail on an attached sheet(s).

The bidder shall not construe this paragraph as inviting deviation or implying that any deviation will be acceptable.

11. **SAFETY STANDARDS:** All manufactured items and/or fabricated assemblies subject to operation under pressure, operation by connection to an electric source, or operation involving a connection to a manufactured, natural, or LP gas source shall be constructed and approved in a manner acceptable to the appropriate state inspector which customarily requires the label or re-examination listing or identification marking of the appropriate safety standard organization, such as the American Society of Mechanical Electrical Engineers for pressure vessels; the Underwriters' Laboratories and/or National Electrical Manufacturers' Association for electrically operated assemblies; or the American Gas Association for gas operated assemblies, where such approvals of listings have been established for the type(s) of devices offered and furnished. Further, all items furnished by the successful bidder shall meet all requirements of the Occupational Safety and Health Act (OSHA), and state and federal requirements relating to clean air and water pollution.

All bidders must comply with *North Carolina Occupational Safety and Health Standards for General Industry, 29CFR 1910*. Construction bidders must comply with *North Carolina Occupational Safety and Health Standards for the Construction Industry, 29CFR 1926*. In addition, bidders shall comply with all applicable occupational health and safety and environmental rules and regulations. Bidders shall effectively manage their safety and health responsibilities including:

1. **Accident Prevention**

Prevent injuries and illnesses to their employees and others on or near their job site. Bidder managers and supervisors shall ensure employer's personnel safety by strict adherence to established safety rules and procedures.

2. **Environmental Protection**

Protect the environment on, near, and around their work site by compliance with all applicable environmental regulations.

3. **Employee Education and Training**

Provide education and training to all bidders employees before they are exposed to potential workplace or other hazards as required by specific OSHA Standards.

12. **INFORMATION AND DESCRIPTIVE LITERATURE:** Bidders are to furnish all information requested and in the spaces provided on the bid form. Further, as may be specified elsewhere, each bidder must submit with his proposal: cuts, sketches, descriptive literature and/or complete specifications covering the products offered. Reference to literature submitted with a previous bid does not satisfy this provision. Bids, which do not comply with these requirements, will be subject to rejection.

13. **PROMPT PAYMENT DISCOUNTS:** Bidders are urged to compute all discounts into the price offered. If a prompt payment discount is offered, it will not be considered in the award of the contract except as a factor to aid in resolving cases of identical prices.

14. **AWARD OF CONTRACT:** As directed by statute, qualified bids will be evaluated and acceptance made of the lowest and best bid most advantageous to the City of High Point as determined upon consideration of such factors as: prices offered; the quality of the articles offered; the general reputation and performance capabilities of the bidders; the substantial conformity with the specifications and other conditions set forth in the bid; the suitability of the articles for the intended use; the related services needed; the date or dates of delivery and performance; and such other factors deemed by the City to be pertinent or peculiar to the purchase in question. Unless otherwise specified by the City or the bidder, the City reserves the right to accept any items or groups of items on a multi-item bid.

The City reserves the right to make partial, progressive or multiple awards: where it is advantageous to award separately by items; or where more than one supplier is needed to provide the contemplated requirements as to quantity, quality, delivery, service, geographical areas; other factors deemed by the City of High Point to be pertinent or peculiar to the purchase in question.

15. **GOVERNMENTAL RESTRICTIONS:** In the event any Governmental restrictions may be imposed which would necessitate alteration of the material, quality, workmanship or performance of the items offered on this proposal prior to their delivery, it shall be the responsibility of the successful bidder to notify the City of High Point Purchasing Department at once, indicating in his letter the specific regulation which required such alterations. The City of High Point reserves the right to accept any such alterations, including any price adjustments occasioned thereby, or to cancel the contract.

16. **M/WBE:** Pursuant to General Statute 143-48 and Executive Order #77, the City of High Point invites and encourages participation in this procurement process by businesses owned by minorities, women, and the handicapped.

17. **INSURANCE:**

Coverage - During the term of the contract, the bidder at its sole cost and expense shall provide commercial insurance of such type and with such terms and limits as may be reasonably associated with the contract. As a minimum, the bidder shall provide and maintain the following coverage and limits:

- a. **Worker's Compensation** - The bidder shall provide and maintain Worker's Compensation Insurance, as required by the laws of North Carolina, as well as employer's liability coverage with minimum limits of \$150,000.00, covering all bidders' employees who are engaged in any work under the contract. If any work is sublet, the bidder shall require the subcontractor to provide the same coverage for any of his employees engaged in any work under the contract.

- b. **Commercial General Liability** - General Liability Coverage, on a Comprehensive Broad Form on an occurrence basis in the minimum amount of \$500,000.00 Combined Single Limit. (Defense cost shall be in excess of the limit of liability.)
- c. **Automobile** - Automobile Liability Insurance, to include liability coverage, covering all owned, hired and non-owned vehicles, used in connection with the contract. The minimum combined single limit shall be \$150,000.00 bodily injury and property damage; \$150,000.00 uninsured/under-insured motorist; and \$1,000.00 medical payment.

Requirements - Providing and maintaining adequate insurance coverage is a material obligation of the bidder and is of the essence of this contract. All such insurance shall meet all laws of the State of North Carolina. Such insurance coverage shall be obtained from companies that are authorized to provide such coverage and that are authorized by the Commissioner of Insurance to do business in North Carolina. The bidder shall at all times comply with the terms of such insurance policies, and all requirements of the insurer under any of such insurance policies, except as they may conflict with existing North Carolina laws or this contract. The limits of coverage under each insurance policy maintained by the bidder shall not be interpreted as limiting the bidder's Liability and obligations under the contract. It is agreed that the coverage as stated shall not be canceled or changed until thirty (30) days after written notice of such termination or alteration has been sent by registered mail to the City of High Point Purchasing Department.

18. **PATENTS AND COPYRIGHTS**: The Bidder shall hold and save the City of High Point, its officers, agents, and employees, harmless from liability of any kind, including costs and expenses on account of any patented or unpatented invention, articles, device or appliance manufactured or used in the performance of this contract, including use by the government.

Any and all copy, art, designs, negatives, photographs, or other tangible items created pursuant to bidder's performance of this project shall be the property of City of High Point and shall be delivered to City upon completion of the project. Such property shall be transferred to City in excellent, reusable condition.

In addition, the copyright in and to any copyrightable work, including, but not limited to, copy, art, negatives, photographs, designs, text, software, or documentation created as part of the bidder's performance of this project shall vest in the City, and the bidder agrees to assign all rights therein to the City. Bidder further agrees to provide the City with any and all reasonable assistance, which the City may require to obtain copyright registrations or to perfect its title in any such work, including the execution of any documents submitted by the City.

19. **PATENT AND COPYRIGHT INDEMNITY**: BIDDER will defend or settle, at its own expense, any action brought against Customer to the extent that it is based on a claim that the product(s) provided pursuant to this agreement infringe any U.S. copyright or patent; and will pay those costs, damages and attorney's fees finally awarded against Customers in any such action attributable to any such claim, but such defense, settlements and payments are conditioned on the following (1) that BIDDER shall be notified promptly in writing by Customer of any such claim; (2) that BIDDER shall have sole control of the defense of any action on such claim and of all negotiations for its settlement or compromise; (3) that Customer shall cooperate with BIDDER in a reasonable way to facilitate the settlement of defense of such claim; (4) that such claim does not arise from Customer modifications not authorized by the BIDDER or from the use of combination of products provided by the BIDDER with products provided by the Customer or by others; and (5) should such product(s) become, or in the BIDDER's opinion likely to become, the subject of such claim of infringement, then Customer shall permit BIDDER, at BIDDER's option and expense, either to procure for Customer the right to continue using the product(s), or replace or modify the same so that it becomes non-infringing and performs in a substantially similar manner to the original product; or (c) upon failure of (a) or (b) despite the reasonable efforts of the BIDDER for a sold product or licensed software, return the price paid for the licensed software and any product dependent thereon.

20. **ADVERTISING**: Bidder agrees not to use the existence of this contract or the name of the City of High Point as a part of any commercial advertising without prior approval of the City of High Point Purchasing Department.

21. **EXCEPTIONS**: All proposals are subject to the terms and conditions outlined herein. All responses will be controlled by such terms and conditions and the submission of other terms and conditions, price catalogs, and other documents as part of a Bidder's response will be waived and have no effect on this Request for Proposal or any other contract that may be awarded resulting from this solicitation. The submission of any other terms and conditions by a Bidder may be grounds for rejection of the Bidder's proposal. The Bidder specifically agrees to the conditions set forth in the above paragraph by affixing his name on the signatory page contained herein.

22. **CONFIDENTIAL INFORMATION**: As provided by statute and rule, the City of High Point will consider keeping trade secrets which the bidder does not wish DISCLOSED confidential. Each page shall be identified in boldface at the top and bottom as "CONFIDENTIAL" by the bidder. Cost information shall not be deemed confidential. In spite of what is labeled as a trade secret, the determination whether it is or not will be determined by North Carolina law.

23. **ASSIGNMENT**: No assignment of the bidder's obligations nor the bidder's right to receive payment hereunder shall be permitted. However, upon written request approved by the City of High Point Purchasing Department, solely as a convenience to the bidder, the City of High Point may:

- a. Forward the bidder's payment check directly to any person or entity designated by the bidder, and
- b. Include any person or entity designated by bidder as a joint payee on the bidder's payment check.

In no event shall such approval and action obligate the City of High Point to anyone other than the bidder and the bidder shall remain responsible for fulfillment of all contract obligations.

24. **ACCESS TO PERSONS AND RECORDS:** The City Auditor shall have access to persons and records as a result of all contracts or grants entered into by the City in accordance with General Statute 147-64.7.

25. **INSPECTION AT BIDDER'S SITE:** The City of High Point reserves the right to inspect, at a reasonable time, the equipment/item, plant or other facilities of a prospective bidder prior to contract award, and during the contract term as necessary for the City of High Point's determination that such equipment/item, plant or other facilities conform with the specifications/requirements and are adequate and suitable for the proper and effective performance of the contract.

26. **AVAILABILITY OF FUNDS:** Any and all payments of compensation of this specific transaction, it's continuing or any renewal or extension are dependent upon and subject to the allocation of appropriation of funds to the City for the purpose set forth in this agreement.

27. **GOVERNING LAWS:** All contracts, transactions, agreements, etc., are made under and shall be governed by and construed in accordance with the laws of the State of North Carolina.

28. **ADMINISTRATIVE CODE:** Bids, proposals, and awards are subject to applicable provisions of the North Carolina Administrative Code.

29. **EXECUTION:** Failure to sign under EXECUTION section will render bid invalid.

30. **ORDER OF PRECEDENCE:** In cases of conflict between specific provisions in this bid, the order of precedence shall be (1) special terms and conditions specific to this bid, (2) specifications, (3) City of High Point General Contract Terms and Conditions, and (4) City of High Point Bid Terms and Conditions.

31. **CLARIFICATIONS/INTERPRETATIONS:** Any and all questions regarding this document must be addressed to the City of High Point on the cover sheet of this document. Do not contact the user directly. Any and all revisions to this document shall be made only by written addendum from the City of High Point Purchasing Department. The bidder is cautioned that the requirements of this bid can be altered only by written addendum and that verbal communications from whatever source is of no effect.

32. **SITUS:** The place of all contracts, transactions, agreements, their situs and forum, shall be North Carolina, where all matters, whether sounding in contract or tort, relating to the validity, construction, interpretation, and enforcement shall be determined.



General Sales Administration

T/A Major Police Supply

47 N. Dell Ave

Kenvil, NJ 07847

Phone (800) 666-4472 Fax (973) 584-5022

November 16, 2010

Capt Tony Hamrick
High Point police department
1009 Leonard Avenue
High Point, NC 27260

REF: Two 4-Camera Mobile SLATE ALPR Price Quote

I'm pleased to provide you with this quote for (2) four Camera Mobile ALPR systems "hard" mounted and integrated into a laptop on your vehicle.

Key points about Federal Signal PIPS in the ALPR market:

- For more than 16 years, PIPS has **only** focused on Automatic License Plate Recognition technologies.
- As an Original Equipment Manufacturer, we design, manufacture, and develop our own hardware and software – we control the quality and support of our products from start to finish.
- PIPS offers an ALPR "back-end" analysis software package (BOSS) that provides data-mining of "historic" license plate information obtained and stored from all deployed mobile (and fixed) systems within your department.
- PIPS has two patents:
 - **PlateFinder** – Identifies license plates based on reflective properties and physical size of plates, which reduces false triggers (mailboxes, picket fences, street signs, etc.).
 - **TripleFlash** – Varies flash, shutter and gain settings to capture multiple images per vehicle, ensuring a quality image over a wide range of ambient and environmental conditions.

Quote:

To coincide with our equipment delivery and installation/optimization schedules, Major Police Supply requests that the Purchase Order(s) for quoted systems be prepared as follows:

Purchase Order #1 – All equipment and software shipped to customer.

Purchase Order #2 – Installation, Final Optimization, and Customer Training.

This quote reflects the respective costs associated with the two Purchase Orders. This allows us to ship the equipment in a timely manner to your delivery site, and provides you with the flexibility required for identification of vehicle, server ready time, installation schedules, etc.

PROPOSAL:

Item	Qty	Equipment and Software Purchase Order #1	List Item Cost
1	2	SLATE-810-LE-G Four Camera Mobile Law Enforcement Package including 810nm illumination, Superex processor, camera cable/connector(s), GPS module, PAGIS software and dongle, PIPS ALPR/OCR Engine, Client/Server architecture, camera bracket mount assemblies.	\$37,590
2	1	PIPS-SW-BOSS Back Office System Software utilizing Microsoft SQL Express Server Software for system administration, data analysis and data storage, data mining, reporting, mapping via Google Maps, remote alerting, and networking in support of inter-agency data sharing. Note: Software includes one Admin plus 2 concurrent User Licenses.	\$995
3	1	BOSS-SRVR PIPS rack server hardware platform for use with the BOSS Back Office Software System for customer data storage and application functionality. Main server elements include Quad Core 2 GHz Processor configuration with 4 GB memory, 750 GB Hard Drive and Windows Server 2003 OS.	Customer provided
5	1	Advanced mapping utilizing Bing Maps. Provides enhanced mapping functionality including satellite imagery, bird's eye, and multiple view options.	\$795
		Total	\$39,380

Item	Qty	Installation, Optimization, and Training Purchase Order #2	List Item Cost
6	2	PIPS-SRVC-FE-Mobile; Field Engineering services for installation, optimization, IT configuration, and training for mobile ALPR vehicles to include PAGIS and BOSS.	\$2,620
		Total	\$2,620

NOTE 1: Only one copy of PIPS-SW-BOSS PRO System Software and one BOSS-SRVR PIPS server is required to support a combination of one or more mobile and/or fixed mobile systems (up to 1,000 separate ALPR mobile or fixed systems), therefore additional vehicles or fixed cameras will not require items 2 and 3.

NOTE 2: This quote includes freight costs but does not include appropriate sales tax and is subject to the attached PIPS' standard terms, conditions and warranties.

Scope of Work:

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

Our quote **includes** the cost for our Back Office Server Software (BOSS) that can be installed on a department supplied SQL server. During the installation and training, our engineer will install one copy of this software application that is used for mining of all data collected by each mobile LPR system. The initial cost of installing BOSS for your agency can be utilized for all future PIPS mobile installations within your organization. It can also integrate with other local law enforcement agencies, fixed ALPR sites, or with commercial purchasers of our ALPR systems to provide a comprehensive database of vehicle movement within the surrounding areas where PIPS systems have been deployed.

NOTE 3: This software has a 10 GB storage limit (approx. 300,000 license plate reads). If your agency has a full Microsoft Sequel License, BOSS integrates with it and the only limit to data storage would be the amount of server hard disk space available. The recommended system requirements for use with the BOSS Back Office Software System are:

- Intel Xeon quad-core CPU at 2.0GHz
- Windows Server 2003 or 2008 Standard Edition
- 32 GB of RAM
- SCSI or SAS hard drives at 10,000 RPM
- 1 GB of hard drive space per 30,000 reads stored
- Full version of Microsoft SQL Server

If a dedicated server is required for this application, we can provide a quote based on the following expectations:

- Number of PAGIS vehicles and/or fixed cameras
- Average number of reads per day/month
- Retention period
- BOSS utilization (precise queries or broad queries to browse data)
- Future growth expectations and desire for scalability

NOTE 4: The above \$995 BOSS pricing includes 1 administrative plus 2 user license. Additional concurrent user licenses are priced as follow:

Block of 5	\$2250
Block of 10	\$3500
Block of 25	\$7000

Note 5: All PIPS equipment hardware and software is covered by a one-year parts and labor warranty. Extended warranty agreements are available for either the complete system including hardware and software or an option for software only. These agreements supply the end user with upgrades and improvements to our OCR engine for enhanced plate detection capabilities and software upgrades sold by PIPS Technology, Inc.

Per Mobile Unit Extended Warranty (Hardware and Software)	Unit Cost
2 nd Year –Annual Mobile System Warranty Renewal	\$2,000
3 rd Year –Annual Mobile System Warranty Renewal	\$2,000
4 th Year –Annual Mobile System Warranty Renewal	\$2,000
5 th Year –Annual Mobile System Warranty Renewal	\$2,000
NOTE: Above price are cumulative. i.e. total 5 yr warranty extension would be \$8,000 (1 year warranty + 4 years Extended Warranty)	

Per Mobile Unit Extended Warranty (Software Only)	Unit Cost
2 nd Year –Annual Mobile Software Warranty Renewal	\$1,250
3 rd Year –Annual Mobile Software Warranty Renewal	\$1,250
4th Year –Annual Mobile Software Warranty Renewal	\$1,250
5th Year –Annual Mobile Software Warranty Renewal	\$1,250

NOTE 6: The warranty fee for the BOSS Software for the first year is free. The warranty price for additional years will be adjusted according to the plan you intend on purchasing. Figures are as follows:

BOSS Extended Warranty	Unit Cost
Base Package - One administrator and two user license	\$165/year
Block of 5 concurrent user license	\$275/year
Block of 10 concurrent user license	\$550/year
Block of 25 concurrent user license	\$1,375/year
NOTE: The warranty can be extended for 4 additional years. Blocks of concurrent users are in addition to the base package. If an agency adds additional user licenses during the course of a year, the maintenance charge for the additional users will apply when the maintenance contract is up for renewal.	

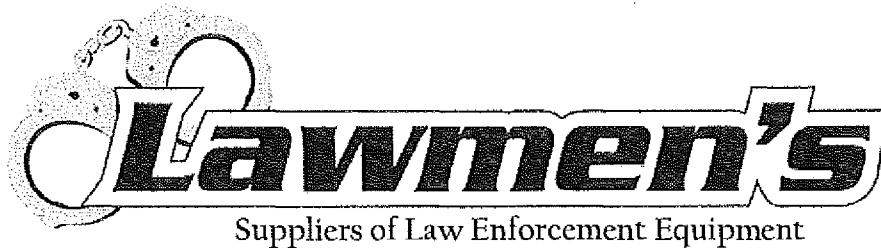
NOTE 7: Our BOSS Software is compatible with several mapping utilities:

- Tiger Maps - U.S. Census Bureau mapping utility which is free, and requires no internet connection.
- MS MapPoint - (Optional) Provides more detail than Tiger Maps and has a cost of \$150/workstation.
- MS Virtual Earth - (Optional) Provides greatest detail including satellite imagery. Cost is \$795/BOSS Server.

Please let me know if you have any questions or require any additional information.

Best Regards,

David R. McCollum, Jr.
Technology Sales Representative
Major Police Supply
Phone: 919 369-0922
Email: dmccollum@majorpolicesupply.com



September 29, 2010

Capt Tony Hamrick
High Point police department
1009 Leonard Avenue
High Point, NC 27260

REF: Two 4-Camera Mobile SLATE ALPR Price Quote

I'm pleased to provide you with this quote for (2) four Camera Mobile ALPR systems "hard" mounted and integrated into a laptop on your vehicle.

Key points about Federal Signal PIPS in the ALPR market:

- For more than 16 years, PIPS has **only** focused on Automatic License Plate Recognition technologies.
- As an Original Equipment Manufacturer, we design, manufacture, and develop our own hardware and software - we control the quality and support of our products from start to finish.
- PIPS offers an ALPR "back-end" analysis software package (BOSS) that provides data-mining of "historic" license plate information obtained and stored from all deployed mobile (and fixed) systems within your department.
- PIPS has two patents:
 - **PlateFinder** - Identifies license plates based on reflective properties and physical size of plates, which reduces false triggers (mailboxes, picket fences, street signs, etc.).
 - **TripleFlash** - Varies flash, shutter and gain settings to capture multiple images per vehicle, ensuring a quality image over a wide range of ambient and environmental conditions.

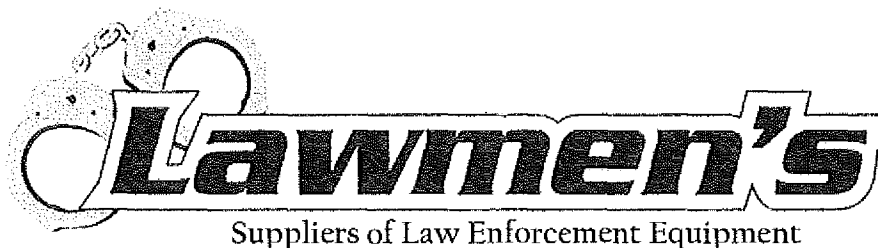
Quote:

To coincide with our equipment delivery and installation/optimization schedules, Major Police Supply requests that the Purchase Order(s) for quoted systems be prepared as follows:

Purchase Order #1 - All equipment and software shipped to customer.

Purchase Order #2 - Installation, Final Optimization, and Customer Training.

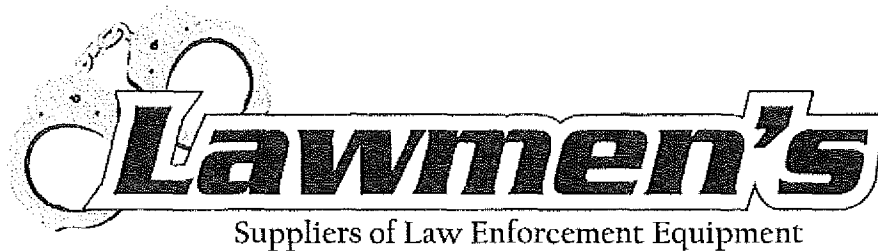
This quote reflects the respective costs associated with the two Purchase Orders. This allows us to ship the equipment in a timely manner to your delivery site, and provides you with the flexibility required for identification of vehicle, server ready time, installation schedules, etc.



PROPOSAL:

Item	Qty	Equipment and Software Purchase Order #1	List Item Cost
1	2	SLATE-810-LE-G Four Camera Mobile Law Enforcement Package including 810nm Illumination, Superex processor, camera cable/connector(s), GPS module, PAGIS software and dongle, PIPS ALPR/OCR Engine, Client/Server architecture, camera bracket mount assemblies.	\$37,590
2	1	PIPS-SW-BOSS Back Office System Software utilizing Microsoft SQL Express Server Software for system administration, data analysis and data storage, data mining, reporting, mapping via Google Maps, remote alerting, and networking in support of inter-agency data sharing. Note: Software includes one Admin plus 2 concurrent User Licenses.	\$995
3	1	BOSS-SRVR PIPS rack server hardware platform for use with the BOSS Back Office Software System for customer data storage and application functionality. Main server elements include Quad Core 2 GHz Processor configuration with 4 GB memory, 750 GB Hard Drive and Windows Server 2003 OS.	Customer provided
5	1	Advanced mapping utilizing Bing Maps. Provides enhanced mapping functionality including satellite imagery, bird's eye, and multiple view options.	\$795
Total			\$39,380

Item	Qty	Installation, Optimization, and Training Purchase Order #2	List Item Cost
6	2	PIPS-SRVC-FE-Mobile; Field Engineering services for installation, optimization, IT configuration, and training for mobile ALPR vehicles to include PAGIS and BOSS.	\$2,620
Total			\$2,620



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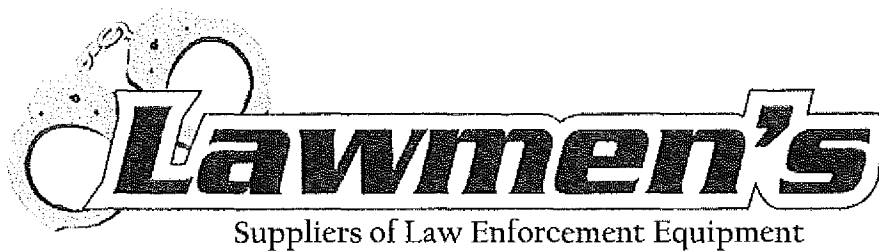
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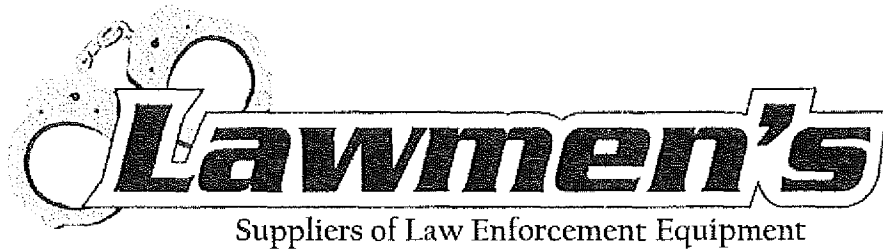
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Please let me know if you have any questions or require any additional information.

Best Regards,

David R. McCollum, Jr.
Technology Sales Representative
Major Police Supply
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Mobile Law Enforcement Automated License Plate Recognition (ALPR) System Specifications

Hardware Specifications

ALPR Cameras:

- The Cameras must be small enough, no more than 2" tall and permanently attached to the vehicle's emergency lightbar so as not to obstruct or otherwise hinder visibility to the lightbar.
- Each Camera shall weigh no more than 4 pounds.
- All camera mounting bracket systems must be fabricated specifically for the vendor's Cameras and must be furnished by the vendor.
- In addition to the camera mounting bracket systems that attach to the vehicle's emergency lightbar, the vendor must have the ability to provide fabricated camera mounting bracket systems that can be installed on those police vehicles commonly referred to as "unmarked units" or those with no roof-mounted lightbar (i.e., clip-on trunk lid mounts). These brackets must easily allow for rotation, tilt, and yaw adjustments.
- There must be no moving parts in the dual-lens Cameras.
- The system must be comprised of self-illuminating Infrared (IR) Cameras for effective license plate image capture in a variety of weather and lighting conditions.
- The Infrared (IR) Light Emitting Diodes (LEDs) must be "pulsed" to enhance license plate capture and extend the lifetime of the LED board.
- The Infrared (IR) portion of the Camera must be available in various wavelengths in order to provide effective license plate capture in different regions of the country and to address the specific license plate properties.
- The Cameras must have a dual lens configuration in a single camera housing featuring both an Infrared (IR) lens for license plate capture and a color overview image of the vehicle for verification purposes. This Camera housing shall also contain onboard IR illumination and shall be sealed to IP67 standards.
- The dual lens Camera must be capable of capturing up to 60 frames per second.
- The Cameras must be capable of producing multiple license plate images with varying flash, shutter and gain settings to ensure a high quality image regardless of weather or lighting conditions.
- The Cameras must utilize a Software Camera Controller to facilitate the selection of the optimum settings for the Gain and Shutter. Once configured by the System Administration or the vendor, all settings must be automated in each Camera.
- The Cameras must have a fixed focal point or target distance from the Camera to the captured vehicle license plate up to 30 feet.



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- All Camera cabling and camera connectors must be manufactured or assembled by the vendor that provides the ALPR system and all of the required components.

ALPR Processor:

- The system must provide the customer with the ability to integrate to their existing MDC using Client – Server architecture in order to minimize processor usage on their existing MDC.
- The Automated License Plate Recognition (ALPR) Processor must have a "self trigger mode" to detect the presence of lawfully mounted vehicle license plates in the Cameras' Field of View (FOV) for image capture from the camera. The System must also provide the capability to use a Hardware Platefinder.
- The ALPR Processor must be designed to be trunk mounted and must incorporate an intelligent Power Supply Unit (PSU) that provides for a safe start-up and shut – down each time the vehicle's ignition is turned on and turned off.
- The ALPR Processor must control the power supplied to the Cameras and provide video connection points for simplified system wiring.
- The ALPR Processor must have an operating input range of 10.5-16.5V DC at 90W.
- The ALPR Processor must utilize, as a minimum, an automotive 30 GB extreme environment Hard Disk Drive. As an option, the ALPR Processor must be available with a minimum, 1.1 GB Solid State Hard Drive.
- The ALPR Processor must utilize a Core Two Duo processor running Windows XP embedded Operating System.
- The ALPR Processor shall have at least four (4) ALPR digital camera connections, a dedicated GPS input, and four (4) USB Ports.
- The vendor shall also offer a portable version of the ALPR Processor using the same internal components as the trunk-mounted ALPR processor, and also able to support up to four digital ALPR camera connections.
- The ALPR Processor must be designed to meet the environmental conditions associated with a trunk-mounted unit.
- When the system is configured to utilize an independent ALPR processor, the ALPR Processor, all associated software and the Cameras must be developed, designed, manufactured and supported by the same vendor.

Client (In Vehicle) Software Specifications

- The application software must be capable of supporting an unlimited number of "hotlist" databases for simultaneous matching. Throughout this document, the terms "hotlist" and "databases" may be used synonymously.
- The System Administrator must have the capability to define the Agency's database(s) and assign a color code and priority level to each database to be used when a 'match' or a 'hit' occurs, i.e., stolen vehicles, stolen license plates, sexual predators, armed felon suspects, registered parolees, etc.
- The application software that resides in the police unit must provide for a User Name and Password as assigned by the System Administrator within the back office server software.



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- The application software must be responsive in comparing a captured license plate against multiple and voluminous databases with less than a 2 second response to a query of a database/s containing up to 10,000,000 records. In the Client-Server architecture, this specification is based upon the Customer's Laptop Computer or MDC meeting the System requirements.
- The system must have the feature that allows "hot list" databases to be created either from within the back office server software or in the field by authorized users whereby authorized users must have the capability to add license plate data to the system's database/s while in the field. All license plate data added by the authorized user will remain a part of the selected database until the database is 'overwritten' by the System Administrator or by a new or updated database(s).
- The system must provide a feature to enable or disable "fuzzy-logic" plate matching in each police unit to enable the system to match common number character issues (0/O and 8/B) or unknown characters. This feature can be enabled or disabled at the user's discretion.
- The system must provide for the ability to read license plates from up to four dual-lens Cameras simultaneously.
- The system must provide live, simultaneous video display of all of the following data for any two (2) dual lens Cameras as selected by the user:
 - The IR License Plate Image
 - The license plate interpretation or system read
 - A corresponding color overview image of the vehicle displaying the captured IR license plate
 - The date and time stamp
 - Identification of the Camera capturing the image
 - The GPS Coordinates for every license plate captured by the system
- When the system identifies a "match" or a "hit" of the license plate, the following additional data must be displayed in a timely manner on the system's Hit Screen:
 - The color coded database indicating the name or title of the database where the "match" occurred
 - All narrative text, if any, from the database where the "match" occurred
- The Hit Screen must remain displayed until acknowledged by the officer, *and* while displayed, the system must continue to process license plate data in the background and all captured data must be stored in the system during this interval.
- If so configured within the back office server software by the Administrator, the officer may also select a disposition button on the Hit Screen. These Dispositions are determined by the Administrator, and may be used in reporting the result of the hit (Arrest, Vehicle Parked, Vehicle Recovered, etc).
- In the event that a subsequent "match or hit" should occur while the original Hit Screen is displayed to the officer, the system must alert the officer that a second or subsequent "hit" occurred and the system is waiting for the officer's intervention.
- The system must provide a touch screen feature to enlarge the vehicle's color overview image so that it can be examined by the police officer in order to gain additional information or the verification of information.



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- The system must have the capability to provide touch screen navigation for the police application GUI.
- The system must provide for the ability to run "covert" hotlists for gang investigations, organized crime, or other details. If so deployed by the administrator from the back office server software, a covert hotlist will not alert the officer to a hit but will send this hit information to the back office where it can be sent to a defined notification list.
- The system must provide the System Administrator with the ability to customize audible alerts to differentiate between unique events within the software application.
- The system must provide a visual alert for each defined event that displays in the foreground regardless of other applications in use at that time.
- The system must provide the officer with the capability to mark a license plate read as a "misread."
- The system must provide the officer with the capability to manually enter a license plate for the purpose of searching that license plate against the system's database(s).
- The system must provide the officer with the capability to review all of the following:
 - "hits"
 - license plate images and associated data
 - license plate searches performed by the officer indicating the date and time the search was conducted
 - misreads
- The system must provide the officer with the ability to query the client software application to determine if a particular license plate has been captured in the system. If the license plate data is in the system, the officer must have the ability to review each license plate capture and the associated system data displayed on the Review Screen to include:
 - The IR License Plate Image
 - The corresponding color overview image of the vehicle
 - The date and time stamp and
 - The GPS coordinates
- The system must provide the ability to add notes to the "hit" record for permanent storage and subsequent retrieval.
- The system must be capable of capturing license plates in any of the following modes: (a) an adjacent lane on either side of the police vehicle while driving through traffic and/or parking lots; (b) traffic in an adjacent lane while parked on the side or shoulder of a roadway; (c) any parking application from parallel to perpendicular parked car orientation with respect to the movement of the police vehicle and (d) an adjacent lane to capture the rear license plate of the vehicle as it passes the police unit or vice versa
- The camera configuration must be capable of switching from one monitoring mode to another via the software application by "pressing" the corresponding on-screen function button.
- The system must have the capability to capture a still image of importance at the officer's discretion using the color overview camera(s).



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Back Office Server Software Specifications

- As part of the overall system and functionality, a back office server software application must be provided so the customer can manage all the data collected by the various ALPR deployment (client applications), manage the database functions and manage the user administration functions.
- The system shall allow monitoring and management of both fixed, mobile, and portable ALPR units (devices) within the same application. Devices shall be able to be assigned to Sites for ease of management.
- The system must provide the ability to assign priorities to the various databases utilized by each police agency.
- The system must provide the System Administrator with the ability to import national and local databases from a website, ftp location or network address.
- The system shall allow for the option of automatically updating all hotlist databases from the originating website, FTP, or network address.
- The system shall allow for the scheduling of hotlist updates from the source location.
- The system shall allow for the definition of custom hotlist import formats, to enable a standard .csv or text file to be easily imported and made useable by the system without the need for vendor involvement.
- The system should allow for the option of configurable disposition buttons to be pushed out the client application. These Dispositions are determined by the Administrator, and when enabled, require the officer to enter a disposition prior to clearing the Hit screen (Arrest, Vehicle Parked, Vehicle Recovered, etc). This information is fed back into the server application for reporting purposes.
- The system must provide application security by assigning users to a Group, with a defined Role, which determines access levels and privileges within the system.
- The system must allow integration with Microsoft Active Directory for automated import of users from Active Directory to the back office.
- The system must provide the System Administrator with the ability to define and configure custom roles with various access levels and privileges based upon user responsibilities.
- The system must provide remote access to stored data for analysis and reporting using a Zero Administration Smart Client. The Smart Client shall be freely deployed to any number of network PC's.
- The Smart Clients shall be able to be deployed on Microsoft Windows XP and Vista workstations. The vendor shall support Microsoft Windows 7 workstations by December 2009.
- The system shall allow the administrator to view users currently logged into the system and disconnect users as needed.
- The system shall allow selective tracking and auditing of user queries in order to prevent system abuse.
- The system must provide Quick Click reporting system statistics (reads, hits, etc) for a given timeframe, mobile unit, or officer login ID.
- The system must provide the ability to perform a full or partial license plate query against the databases.



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- The system must provide the ability to query for license plate data based upon time, date, user-defined location and the user.
- The system must provide the ability to query for a full or partial license plate based on a physical address and search radius.
- The system must provide the ability to utilize a mapping function to plot or identify the locations of a particular license plate or identify all plates captured in a particular area during a particular time.
- The system must provide the ability to utilize a mapping function to plot or identify the location of all selected "reads" or "hits."
- The system must provide the ability to cross-link license plate data from external systems, such as DMV records, for querying.
- The system shall be capable of allowing the user to combine results of multiple queries and present them in a single report.
- The system must allow for advanced mapping to include street, satellite, and birds-eye views.
- The system must provide multiple methods for downloading and uploading information between the vehicle and the back office application including USB thumb drive and wireless connectivity.
- The system must provide a server network environment to facilitate the sharing of data.
- The system shall support the ALPR Data Standardization efforts from the NIJ and the IACP (JDXML).
- The system shall use Microsoft SQL Server 2005 or later as its database engine.
- The back office system database shall have the capability to store a minimum 10 million plate reads simultaneously including images.
- The back office system shall be able to be installed on Microsoft Windows XP, Windows Server 2003 or Windows Server 2008 on both x86 and x64 platforms.
- The system shall allow for remote user setup and networking capabilities to facilitate querying and online, real-time data sharing between multiple instances of the back office system across agencies and jurisdictions.
- The system shall allow automated, real-time remote sharing of hotlists between multiple instances of the back office system.
- The client application for networked PC's must be a zero administration installation from a web page residing on the server.
- Data and images stored in the system must have the capability to be printed as determined by the System Administrator.
- An "Export to Excel" and "Print to .pdf" function must be provided within the application for reads, hits, and reports.
- The system must provide a method for automatically purging data at the device level, based upon the System Administrator's specifications.
- The system shall feature online help within the Smart Client application.
- The system shall allow for role-based access to individual reports.
- The system shall provide a standard e-mail template to be used for e-mail alert notifications, and shall allow customization of that e-mail template.
- The system shall allow for the automated and controlled deployment of a hotlist to any selection of Cameras or mobile systems.



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- The system shall allow for the notification rules to be set for a specific hotlist, allowing the administrator to define which user groups with defined roles receive alert notifications from a given hotlist.
- The system shall allow for a hotlist to be marked as covert, such as gang members or organized crime. This allows for a hotlist to be matched against the hotlist in a vehicle with no officer notification or alert, unless that officer is on the defined notification list for that covert hotlist.
- The system shall allow for queries to be saved as favorites, to enable quick and easy access to a data set being used in an investigation.

General Requirements

- All hardware and software provided by the vendor must be covered under a one-year parts, material and labor warranty at no additional cost to the customer.
- The vendor must offer extended warranty/maintenance costs for both hardware and software for an additional three (3) years at the expiration of the first year of service.
- The vendor must have at least 17 years of proven experience in Automated License Plate Recognition technology and systems.
- The successful vendor must be financially stable, showing at least 5 years of profitable business in Automated License Plate Recognition.
- The vendor must have at least 50 years of experience in the Public Safety market.
- The vendor must have at least 17,000 ALPR Cameras in operation around the world.
- The vendor must have at least 100 customer accounts that have purchased the ALPR systems and are actively using the ALPR product and/or its components.
- The vendor must provide variants of the Optical Character Recognition (OCR) Engine that are tailored/designed for a specific country, state, or region.
- As part of the vendor's system maintenance agreement with the customer, Optical Character Recognition (OCR) updates and/or revisions must be provided as determined by the vendor to address changes in the state's license plates during the term of the maintenance agreement.
- The system must have the capability to capture vehicle license plates at differential speeds up to 160 mph with license plate capture and read accuracy rates in excess of 90% for readable and lawfully installed license plates.
- The vendor must have scored above a 4.0 on the 5-point, United States DHS SAVER Mobile License Plate Recognition Systems Assessment Report dated October 2008.
- The system must provide effective license plate capture at night with no external lighting required.
- After issuance of the purchase order, all hardware and software must be delivered to the customer site within eight (8) weeks.
- The successful vendor must provide on-site system training for the system users and the System Administrator/s.
- The successful vendor must provide system installation and/or system installation oversight based upon the customer's requirements.
- All system documentation must be furnished in electronic format.

November 3, 2010

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A Federal Signal Company

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info@pipstechnology.com

- The vendor must have the ability to provide ALPR Cameras for fixed site monitoring as well as installation services for these Cameras. These fixed site Cameras must be compatible with the same software solutions outlined in this bid specification for the mobile system, allowing for the data to be collected in a central location for all mobile and fixed cameras.

Standards and Testing Requirements

- The ALPR Cameras must meet "eye safe" certification standards, as established by an international testing agency.
- The ALPR Cameras must be sealed to IP67 Standards.
- The ALPR Cameras must meet BS EN 60068 2-27 requirements for Mechanical Shock.
- The ALPR Cameras must meet Mil. Std. 810F method 516.5, Procedure V requirements for Shock Crash Hazard.
- The ALPR Cameras must meet all the requirements set forth in:
 - Electrostatic Discharge (ESD), EN 61000-4-2 and
 - Radiated Emissions, FCC Part 15 and EN 55022

TONY HAMRICK

From: David McCollum [dmccollum@majorpolicesupply.com]
Sent: Tuesday, August 24, 2010 3:02 PM
To: TONY HAMRICK
Subject: FW: re: loaner agreement
Attachments: Car Loaner Agreement PIPS.pdf

Importance: High

Captain,

First off, I was sorry to hear about your mother-in-law. Hearing news like that makes this much less important. When you return to work, look over this agreement and let me know what you think. If it's not acceptable, we can install a demo system in one of your cars.

Again, take care of your family and I'll give you a shout back next week.

Respectfully,

David

From: Desiree Sweedy
Sent: Tuesday, August 24, 2010 2:05 PM
To: David McCollum
Subject: re: loaner agreement
Importance: High

Hey David,

Please have them fill it out and send back to me as soon as possible so I can have Brad sign off on it so we can give them the loaner car.

Thanks!

Desiree Sweedy
Project Coordinator

dsweedy@majorpolicesupply.com
Tel: 973-584-7714
Fax: 973-584-5022

**GENERAL SALES ADMINISTRATION
CAR LOANER AGREEMENT**

This Car Loaner Agreement (this "Agreement") is entered into as of the 21 day of Sept, 2010, between General Sales Administration, Inc., a New Jersey corporation located at 47 North Dell Avenue, Kenil, New Jersey 07847 (the "Company"), and City of Hickory political subdivision of the State of NC (the "Department").

WHEREAS, the Department is considering purchasing the PIPs motor vehicle system and desires to test-drive a vehicle with the PIPs motor vehicle system; and

WHEREAS, the Company desires to loan a vehicle with the PIPs motor vehicle system to Department to test-drive in hopes of the Department purchasing a PIPs motor vehicle system.

NOW, THEREFORE, the Department and the Company, intending to be legally bound hereby, agree as follows:

1. **Use of the Vehicle.** The Department accepts the vehicle in as-is condition. The Department agrees to inspect the vehicle upon receipt and agrees to return the vehicle in the same condition. The Department agrees to use the vehicle in its customary fashion and not to drive the vehicle excessive distances. The Department agrees to not participate in any hazardous activities, including hazardous driving with the vehicle, unless it is absolutely necessary.
2. **Term.** The Department is accepting the vehicle on 9-21-10, 2010 and will return the vehicle by close of business on 10-6-10, 2010.
3. **Expenses.** During the term of this Agreement, the Department will provide gasoline for the vehicle. The Department shall return the vehicle with at least half a tank of gasoline.
4. **Insurance.** The Department will be responsible to repair any damage to the vehicle while in its possession.
5. **Successors and Assigns.** All of the provisions of this Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, if any, successors, and assigns.
6. **Choice of Law.** The laws of the State of New Jersey shall govern the validity of this Agreement, the construction of its terms and the interpretation of the rights and duties of the parties hereto.
7. **Headings.** Section headings are not to be considered a part of this Agreement and are not intended to be a full and accurate description of the contents hereof.
8. **Waiver.** Waiver by one party hereto of breach of any provision of this Agreement by the other shall not operate or be construed as a continuing waiver.
9. **Notices.** Any and all notices, demands, or other communications required or desired to be given hereunder by any party shall be in writing and shall be validly given or made to another party if personally served, or if deposited in the United States mail, certified or registered, postage prepaid, return receipt requested. If such notice or demand is served personally, notice shall be deemed constructively made at the time of such personal service. If such notice, demand or other communication is given by mail, such notice shall be conclusively deemed given five days after deposit thereof in the United States mail addressed

to the party to whom such notice, demand or other communication is to be given
as follows:

If to the Department:

[name]

[street address]

[city, state, zip]

If to the Company:

General Sales Administration, Inc.

Attn: J. Bradley Badal

47 North Dell Ave.

Kenvil, NJ 07847

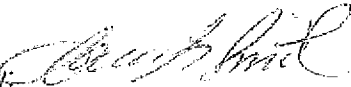
Any party hereto may change its address for purposes of this paragraph by written
notice given in the manner provided above.

10. Modification or Amendment. No amendment, change or modification of this Agreement shall be valid unless in writing signed by the parties hereto.
11. Entire Understanding. This document constitutes the entire understanding and agreement of the parties, and any and all prior agreements, understandings, and representations are hereby terminated and canceled in their entirety and are of no further force and effect.
12. Unenforceability of Provisions. If any provision of this Agreement, or any portion thereof, is held to be invalid and unenforceable, then the remainder of this Agreement shall nevertheless remain in full force and effect.

IN WITNESS WHEREOF the undersigned have executed this Agreement as of the day and year first written above. The parties hereto agree that facsimile signatures shall be as effective as if originals.

GENERAL SALES ADMINISTRATION, INC. DEPARTMENT:

By: _____
J. Bradley Badal, President

By: 
Its: CITY OF HIGH POINT [title or position]
FLEET DIRECTOR

Vehicle: Make Chev
Model Impala
Vin _____

26-1W5581 269390069

mileage

73679



EVIDENCE OF COMMERCIAL PROPERTY INSURANCE

DATE (MM/DD/YYYY)

09/25/2009

THIS EVIDENCE OF COMMERCIAL PROPERTY INSURANCE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE ADDITIONAL INTEREST NAMED BELOW. THIS EVIDENCE OF COMMERCIAL PROPERTY INSURANCE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

PRODUCER NAME, CONTACT PERSON AND ADDRESS Gulfport City/County Insurance Advisory Committee 620 Green Valley Rd., Suite 30 Greensboro, NC 27408		PHONE (A/C, No. Ex): 336-299-1991	COMPANY NAME AND ADDRESS Affiliated FM	NAIC NO:
FAX (A/C, No.): 336-299-1713	E-MAIL ADDRESS: teresa_j@bellsouth.net		IF MULTIPLE COMPANIES, COMPLETE SEPARATE FORM FOR EACH	
CODE: AGENCY CUSTOMER ID #: CITYH-1	SUB CODE:		POLICY TYPE	
NAMED INSURED AND ADDRESS City of High Point Jackie Astrop P.O. Box 230 High Point, NC 27261		LOAN NUMBER		POLICY NUMBER GJ824
ADDITIONAL NAMED INSURED(S)		EFFECTIVE DATE 9-21-10	EXPIRATION DATE 10-6-10	CONTINUED UNTIL TERMINATED IF CHECKED
THIS REPLACES PRIOR EVIDENCE DATED:				

PROPERTY INFORMATION (Use REMARKS on page 2, if more space is required) ☐ BUILDING OR ☒ BUSINESS PERSONAL PROPERTY

LOCATION/DESCRIPTION
2008 Caterpillar 983C Track Loader
S/N BBD02741
Value \$177,787.50

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 EVIDENCE OF PROPERTY INSURANCE 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.

COVERAGE INFORMATION	PERILS INSURED	BASIC	BROAD	SPECIAL
COMMERCIAL PROPERTY COVERAGE AMOUNT OF INSURANCE: \$ 150,000,000				DED: 50,000
☐ BUSINESS INCOME ☐ RENTAL VALUE	YES NO N/A			If YES, LIMIT: Actual Loss Sustained; # of months:
BLANKET COVERAGE				If YES, indicate value(s) reported on property identified above: \$
TERRORISM COVERAGE				Attach Disclosure Notice / DEC
IS THERE A TERRORISM-SPECIFIC EXCLUSION?				
IS DOMESTIC TERRORISM EXCLUDED?				
LIMITED FUNGUS COVERAGE				If YES, LIMIT: DED:
FUNGUS EXCLUSION (If "YES", specify organization's form used)				
REPLACEMENT COST				
AGREED VALUE				
COINSURANCE				If YES, %
EQUIPMENT BREAKDOWN (If Applicable)				If YES, LIMIT: DED:
ORDINANCE OR LAW - Coverage for loss to undamaged portion of bldg				
- Demolition Costs				If YES, LIMIT: DED:
- Incr. Cost of Construction				If YES, LIMIT: DED:
EARTH MOVEMENT (If Applicable)				If YES, LIMIT: DED:
FLOOD (If Applicable)				If YES, LIMIT: DED:
WIND / HAIL (If Subject to Different Provisions)				If YES, LIMIT: DED:
PERMISSION TO WAIVE SUBROGATION IN FAVOR OF MORTGAGE HOLDER PRIOR TO LOSS				

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 15 DAYS WRITTEN NOTICE TO THE ADDITIONAL INTEREST NAMED BELOW, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

ADDITIONAL INTEREST

MORTGAGEE	CONTRACT OF SALE	LENDER SERVICING AGENT NAME AND ADDRESS
X LENDERS LOSS PAYABLE		David R. McCallum
NAME AND ADDRESS		MAJOR POLICE SUPPLY
		47 N. Dell Ave
		Camden, NJ
		AUTHORIZED REPRESENTATIVE
		X [Signature]