



**LOS ANGELES COUNTY  
SHERIFF'S DEPARTMENT**

**REQUEST FOR INFORMATION**

**RFI NUMBER 567 – SH  
AUTOMATED LICENSE PLATE RECOGNITION  
SERVICE**

**APRIL 2015**

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## **1.0 INTRODUCTION**

- 1.1 The Los Angeles County Sheriff's Department (LASD) is seeking information from vendors that can provide a subscription service for Automated License Plate Recognition (ALPR) information in an operationally proven, commercial off-the-shelf solution. The service must be capable of providing a diverse offering of ALPR scans from both inside Los Angeles County and other jurisdictions. Vendors of interest are those who can identify potential solutions, and are capable of delivering a turnkey solution and providing ongoing support as part of a subscription service.
- 1.2 LASD will review the response(s) to this Request For Information (RFI) which may subsequently lead to further research and exploration of the marketplace. Information received in response to this RFI may be used in the preparation of a Request For Proposal (RFP), an Invitation For Bid (IFB), or another County method for acquiring an ALPR solution with supporting services.
- 1.3 Vendors who wish to just furnish information about a product or about a service that they have knowledge of may formally do so in writing. Vendors who wish to offer a product for sale are requested to submit relevant information as outlined in Section 3.0 (Information Requested) below.

## **2.0 SYSTEM OVERVIEW AND REQUIREMENTS**

- 2.1 LASD is looking for a subscription service to provide Automated License Plate Recognition (ALPR) information to augment its in house ALPR datasets. The subscription service is to be an operationally proven, solution hosted by the vendor. The service must be available to users Department-wide using only a web browser (MS I.E. 7.0 and above, and Google Chrome). The service must provide the ability to review data using a graphical user interface, security controls, an alert notification component, a reporting feature, a graphics and mapping component, and may have the ability to interface with external systems using standard web services/XML. Further, the service must be proactive such that identified users will be notified with Automated e-mail alerts when certain information is present in the system.

- 2.1.1 LASD is seeking to continue the Single Sign On (SSO) directive, and would prefer that the service uses MS Active Directory for application authentication.
- 2.2 In addition to providing historical ALPR information, the service must periodically be refreshed with new ALPR data. The data should be searchable based on user-defined parameters and query results presented to the user. In addition to the presentation of query results in a report form, output should be capable of presentation in a mapping format, graphing format, and printable, as required.
- 2.3 Functionality available to LASD users should include a flexible search capability within a user-defined radius on a common mapping platform (i.e. Google Maps, ESRI etc.). Output should include a list of records in a report format customizable by the user. The services provided should allow County to convert the information to graphs and charts, and the ability to map identified incidents.
- 2.4 The service must be capable of geo-coding and mapping all addresses present in the system.
- 2.5 The service should include comprehensive training, including web-based training, and Help Desk support for users.
- 2.6 The service must periodically and automatically update address and mapping data for neighborhoods included in information provided by the vendor.
- 2.7 The service must update its information on periodic basis (e.g. every 24 hours, weekly, etc.).

### **3.0 INFORMATION REQUESTED**

Commercial vendors, who may have an interest in providing a solution for an ALPR Service are requested to submit relevant information about their subscription service. A point of contact for each respondent should be provided including name, address, phone number, and E-mail address. Responses should contain the following information as appropriate:

### **3.1. Description of service.**

Provide documentation that is descriptive of the functions supported by the ALPR Service and on the specific functional areas identified in this document in Section 2.0 (System Overview and Requirements) above. Existing product literature and prepared marketing materials may also be included and is encouraged. However, this information is typically less useful than more detailed user and technical documentation. A follow-up demonstration of the system may also be requested by LASD.

### **3.2. Description of the technical architecture.**

The respondent should provide information about the overall system requirements including, as applicable, the following items:

- 3.2.1 Hardware requirements, if any;
- 3.2.2 Operating system/software environment
- 3.2.3 Network requirements and protocols
- 3.2.4 Database environment and any storage requirements
- 3.2.5 Description of the access requirements;
- 3.2.6 Description of security and auditing features;
- 3.2.7 Reporting tools.

### **3.3. Description of product support and maintenance.**

The respondent is requested to comment on the following:

- 3.3.1 User Manuals
- 3.3.2 On-line documentation and/or help
- 3.3.3 On-site and off-site training
- 3.3.4 Help desk operations including staffing and hours of availability
- 3.3.5 Frequency of upgrades
- 3.3.6 Frequency of updated ALPR information available by geographical area and approximate number of new records available to LASD upon update.
- 3.3.7 User feedback procedures.

### **3.4. Estimated costs.**

Any costs estimated for the purpose of this RFI are considered for research purposes only, and are non-binding to either the respondent or County of Los Angeles.

This document being an RFI, costs can be an estimation, but only in general as it applies to a typical standard COTS solution. As this is not a Request For Proposal (RFP) or Invitation For Bid (IFB), specific LASD environment information cannot be made available to the respondent. Consequently, a complete cost estimate will need to be general and take into consideration the following areas that may or may not be quantifiable:

- a. Application development Cost
- b. COTS cost;
- c. Recommended hardware specifications and cost;
- d. Non-recurring hardware and software licensing cost (if applicable);
- e. Implementation cost;
- f. Training costs;
- g. Ongoing maintenance support costs.

### **3.5. Corporate information and references.**

The following information about the respondent vendor to this RFI is requested:

- a. Corporate or company name and headquarters' address;
- b. Address/other contact information of nearest corporate or company office to downtown Los Angeles, California;
- c. Number of years in business;
- d. Description of business need and/or fit gap product solution solved;
- e. List of at least Five (5) law enforcement agencies (name, address, contact person and telephone or email) that have deployed the vendor's solution within the last two years.
- f. Size of law enforcement customer base (number of agencies and number of vendor solution's system users).
- g. High level system documentation identifying existing deployment of vendor solution at customer site(s).

## **4.0 RESPONSE METHOD and TIME FRAME**

- 4.1 Responses and questions regarding this Request for Information (RFI) should be addressed to:

Los Angeles County Sheriff's Department

**Los Angeles County Sheriff's Department  
Automated License Plate Recognition Service (ALPRS)  
567-SH**

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Technology and Support Division (TSD)  
Crime Information Management Bureau  
12440 E. Imperial Highway Suite 650E  
Norwalk, California 90650

Attention: Lieutenant Chris Cahhal

Phone: (562) 345-4315  
E-Mail: [cscahal@lasd.org](mailto:cscahal@lasd.org)

- 4.2 The Sheriff's Department encourages all potential suppliers to submit a response consistent with the content and instructions provided in Section 3 (Information Requested). Vendors shall respond with an original plus two (2) hard copies, and 2 compact discs of same. **Email responses are not acceptable.**
- 4.3 Responses to this RFI must be submitted to LASD at the address above **by 3:00 pm (Pacific Standard Time) on MAY 22, 2015**. If your firm does not respond to this RFI on or before May 22, 2015, LASD will presume your firm does not meet the requirements outlined herein, and/or is not interested in responding to this RFI.

**Appendix A.**  
**ALPR FUNCTIONAL REQUIREMENTS CHECKLIST**

	<b>Functional Requirement</b>	<b>Yes</b>	<b>No</b>	<b>Comments</b>
1.	Does the proposed service provide flexible search capabilities within user-defined radius on a common mapping platform (i.e. Google Maps etc.)?			
2.	Does the proposed system provide the capability to geo-code and map all addresses entered into the system?			
3.	Does the proposed service have data validation, incident analyzer, security controls, alert notification, reporting, graphics mapping?			
4.	Does the proposed service allow users to set alerts and provide automatic e-mail alerts?			
5.	Does the proposed system allow for user defined parameters for query capabilities?			
6.	Does the proposed system output query results in a report format capable of presentation in a mapping format, graphing format and printable?			
7.	Does the proposed service provide automatic updates to addresses and mapping data?			
8.	Does the proposed service			



	<b>Functional Requirement</b>	<b>Yes</b>	<b>No</b>	<b>Comments</b>
	provide permission/security level functionality in order to define user rights and access?			
9.	Does the proposed service have audit logging capabilities down to the fields level?			
10.	Does the proposed service have the capability to toggle details of a specific event within a list of search results?			
11.	Does the proposed service allow for the generation of e-mail alerts to designated Department members?			
12.	Does the proposed service provide embedded hyperlink functionality inside each E-mail alert whereby the user can click on the hyperlink and go directly to the system incident?			
13.	Does the proposed system provide sort functionality based on user-defined fields?			
14.	Does the proposed service provide the data elements of time, location of scan, plate number and picture of license plate?			
15.	Does the proposed service have the ability to obtain a "Location Summary" sheet that includes the address where the vehicle was seen, location type (retail,			

	<b>Functional Requirement</b>	<b>Yes</b>	<b>No</b>	<b>Comments</b>
	residential etc...), the number of times the subject vehicle was sighted and specific date(s) when vehicle was seen?			
16.	Does the proposed service have the ability to query a known plate and to identify all those vehicles that are commonly seen in close proximity to the suspect vehicle?			
17.	Does the proposed service have the ability to enter an address and see all ALPR data connected to that location?			
18.	Does the proposed service have the ability to match data against LASD "hot lists?"			
19.	Does the proposed service offer location maps with customizable icons, and interactive/chronological map view and have the ability to copy/paste from within the offering?			
20.	Does the proposed service have the ability to display multiple points of interest on a map with corresponding times/dates to assist in identifying crime patterns or generating leads?			
21.	Does the proposed service have mapping features that provide drawing tools to create polygons and			

	<b>Functional Requirement</b>	<b>Yes</b>	<b>No</b>	<b>Comments</b>
	other shapes around certain areas of interest?			
22.	Does the proposed service have the ability to gather this information and provide a predictive analysis on where an identified vehicle will most likely be, based upon historical data?			
23.	Does the proposed service have a smartphone application to capture license plate images and querying against the ALPR database?			