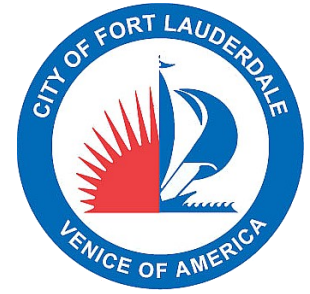


CITY OF FORT LAUDERDALE, FL  
Police Department



Proposal for:

# PROVIDE AND INSTALL LICENSE PLATE RECOGNITION SYSTEM

*RFP #243-11315*

*November 25, 2013*





## Table of Contents

Tab 1	Bid/Proposal and Signature Local Vendor Preference Certification E-Verify
Tab 2	Non-Collision Statement
Tab 3	Letter of Interest
Tab 4	Statement of Proposed Services
Tab 5	Business License
Tab 6	Evidence of Insurance
Tab 7	Technical Specifications
Tab 8	Needs Assessment
Tab 9	Resource Assignment
Tab 10	Additional In-House Services
Tab 11	References
Tab 12	Cost Proposal
Tab 13	Additional Information



**BID/PROPOSAL SIGNATURE PAGE**

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

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

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

Submitted by: Matthew B. Brady (signature) 11.19.13 (date)

Name (printed) Matthew B. Brady Title: Vice President Business Development

Company: (Legal Registration) Federal Signal Corporation

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

Address: 2645 Federal Signal Drive

City University Park State: IL Zip 60484

Telephone No. 708-534-3400 FAX No. 708-587-3585 Email: mbrady@federalsignal.com

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

Payment Terms (section 1.04): Net 30 Total Bid Discount (section 1.05): 0%

Does your firm qualify for MBE or WBE status (section 1.09): MBE        WBE       

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

       Addendum No.        Date Issued       

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

YES   X   NO       

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

Variations:   N/A

RFP NO.

TITLE:

LOCAL BUSINESS PREFERENCE CERTIFICATION STATEMENT

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

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

Business Name

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

Business Name

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

Business Name

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

Business Name

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

Business Name

Federal Signal Corporation

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

Business Name

PROPOSER'S COMPANY: Federal Signal Corporation

AUTHORIZED COMPANY PERSON: Matthew B. Brady

NAME



SIGNATURE

11.19.13

DATE

**ATTACHMENT 'A'**

**E-VERIFY AFFIRMATION STATEMENT**

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

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

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

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

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

Contractor/Proposer/ Bidder Company Name: Federal Signal Corporation

Authorized Company Person's Signature: 

Authorized Company Person's Title: Vice President Business Development

Date: 1/19/13



**NON-COLLUSION STATEMENT:**

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

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

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

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

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

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

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

<u>NAME</u>	<u>RELATIONSHIPS</u>
<u>NOT APPLICABLE</u>	_____
_____	_____
_____	_____
_____	_____

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





November 25, 2013

Mr. James Hemphill  
Sr. Procurement Specialist  
City of Fort Lauderdale  
Procurement Services Division  
100 N. Andrews Avenue  
Fort Lauderdale, FL 33301

**Re: Proposal to Provide and Install License Plate Recognition Systems (RFP #243-11315)**

Dear Mr. Hemphill,

It is our collective goal to provide you with a solution to include the units and total quantities of the equipment specified in the City of Fort Lauderdale's Request for Proposal (RFP) to Provide and Install License Plate Recognition System. In the enclosed proposal, we have documented why we feel our team's benefits are the most qualified to successfully manage the responsibilities and fulfill your needs under the terms of this project.

A project of this magnitude requires a team approach. To achieve this, we've selected the finest talent with previous camera surveillance project experience, knowledge of the locale and an understanding of City of Fort Lauderdale's desires as well as protocol. Our team will consist of talented and respected system integration specialists and installers to which we will partner with upon award of this project. Since founding in 1901, Federal Signal Corporation has consistently ranked within the top U.S. firms that specialize in public safety and security. We use the most advanced license plate recognition technology to solve everyday problems in an efficient and cost effective manner. We are a leading designer and manufacturer of critical communications systems for public safety and emergency management solutions. We offer complete **turn-key solutions** which often require integration to existing or supplied third-party equipment and software. We have frequently deployed hundreds of public safety solutions for various municipal environments with a similar scope and other unique features to ensure the success of every system.

**With the Federal Signal Corporation's team, you will get:**

***A team committed to helping you achieve your goals***

As a certified ISO 9001 Quality System manufacturer, we contribute to the world we live in with pride by way of disseminating industry standard knowledge, innovative advances in technology and share superb management and conformity assessment practices. We continuously enhance our solutions for public safety and security and interoperable communications solutions to be used in multiple facets by commercial organizations, federal and state municipalities, public transportation, and education entities around the world. Our experience highlights our ability to manage projects of this complexity. We will successfully install, configure and maintain your camera surveillance systems by guaranteeing your experience working with us will meet your growth bandwidth goals and requirements.

***A leading global designer and manufacturer qualified to coordinate and control the primary project drivers; system functionality, budget, and schedule***

Our experience helps us to ask the right questions and offer alternate solutions to common issues. We integrate the immediate needs of the clients with the larger vision of the community, but most importantly we do so in a cost- effective way without sacrificing quality and desired features. We provide timely and knowledgeable support and services designed to help you deploy Federal Signal solutions faster and manage your environment more efficiently.

We are excited to have the opportunity to work with you to deliver a state-of-the-art solution that will assist you in achieving your goals and build a long-term successful partnership with City of Fort Lauderdale and the Police Department. Should you require additional information, please do not hesitate to contact me at (708) 465-0812 and/or mobrien@federalsignal.com.

Regards,

**FEDERAL SIGNAL CORPORATION**



Mike O'Brien  
Enterprise Sales Manager



## Section 4: Statement of Proposed Services

*Proposals should respond to scope of work. They should be no longer than twelve (12) pages (single sided), and be comprised of three general components: (a) an assessment of capability and approach to perform the scope of service; (b) identification of Proposer's distinctive competence, staff qualifications assigned to this account with their experience and skills they bring to this assignment, along with resume of experience and qualifications; (c) estimated timetables (e.g. marketing).*

### **Assessment of Capability and Approach**

Federal Signal has deployed over 30,000 LPR readers in approximately ten (10) years. We have experience in Europe, Asia, South America, Middle East, Royal Canadian Mounted Patrol in Canada and approximately 5,000 installations within the United States. Federal Signal will use a full-time Project Management Team to manage the project. The team will co-ordinate and control the following areas:

1. Attend & Conduct Project Meetings
2. Project Scheduling
3. Oversee Site Installation Phases.
4. Communicate with FLPD's representative on all facets of the project.
5. Coordinate sub-contractors.
6. Process all invoicing.
7. Develop training plan and schedule
8. Develop and oversee punch lists.
9. Develop project close-out documents

Weekly meetings will be held each week with FLPD and/or other representatives. Federal Signal reserves the right to use technologies such as audio, video, and web conferencing for such meetings. Federal Signal will supply licenses necessary to provide video conferencing or conference call bridges for such meetings, if mutually agreed upon by attendees to the meetings. Federal Signal will produce an Issues and Action Items Log of these meetings.

Federal Signal may also use a Microsoft SharePoint site for all documents related to the project. Limitations of access will include mutual agreement between Federal Signal and FLPD in order to maintain confidentiality of documents. Federal Signal will use a Change control procedure that is designed to minimize any impacts on the parties to this project. A "Change Order" form will be used for any changes to be approved. This will include the signatures of the Federal Signal Project Manager and FLPD representative or legally authorized representative. It shall include the base proposal costs and any changes, negative or positive, that may affect the proposal.

The Installation, Implementation, and Integration of the system should be conducted in a timely manner subject to the assumptions and limitations identified in the Federal Signal proposal as well as fulfillment of responsibility within the responsibility matrix. When Federal Signal is identified in the Responsibility matrix it is assumed to also include such sub-contractor as a representative of Federal Signal.

### **Distinctive Competence and Staff Qualifications**

Fundamental to Federal Signal Corporation is a belief in teamwork between owners, administration staff, the community, and project team. Therefore, we propose to assign a minimum of two (2) full time personnel and an integrated team of qualified resources to support all requirements of this project on-time and within the project scope. Additionally, we have included a copy of our proposed staff resumes for your review. We have provided resumes of our key personnel proposed for this project to follow for your review.

# Section 4: Statement of Proposed Services

## Estimated Timetables

Description	BUSINESS DAY									
	1	2	3	4	5	6	7	8	9	10
Vehicle 1 Installation/Optimization	█									
Vehicle 2 Installation/Optimization		█								
Vehicle 3 Installation/Optimization			█							
Vehicle 4 Installation/Optimization				█						
Vehicle 5 Installation/Optimization					█					
Vehicle 6 Installation/Optimization						█				
Security Center Installation/Optimization							█	█	█	
Training									█	█

## Education / Development

Master of Business Administration  
– International Management,  
Georgia State University

B.A., Psychology, Purdue  
University

Project Management Professional  
(PMP) Certification, Project  
Management Institute

## *Division of Alerting & Notification Systems*

Peter has over 15 years of client services with extensive experience in project management and currently serves as Senior Project Manager. In his role, Peter is responsible for supervising and coordinating work activities on specific projects, as well as oversees the installation on non-project management projects. Since he joined Federal Signal in 2007, he has been responsible for developing, implementing, and managing project methodologies for customer and internal projects for the division.

Peter identifies and develops strategic relationships with partners and customers. Peter maintains a detailed understanding of all the company's significant pursuits, as well as each division's proposal activity. His familiarity of company policies and procedures successfully affects the position and image of the company's activities. Not only does he ensure accuracy for our deployments of products and services, he also works diligently to improve the company's core project management practices to maintain healthy, long-lasting relationships with our customers.

### Highlighted Projects

- Video Surveillance Systems, Norfolk Southern Corporation – Missouri
- Video Surveillance Systems, Norfolk Southern Corporation – Illinois
- U.S. Navy Base Outdoor Warning Upgrade, Serco North America – Virginia
- Multi-force Organization Outdoor Warning Installation, U.S. Army Base – Egypt
- (14) Building Indoor Speaker and Strobe Installation Project, U.S. Air Force Base; Bolling Air Force Base – Washington D.C.
- (4) Outdoor Warning Installations, University of North Carolina – North Carolina
- Outdoor Warning Installations, Clemson University – South Carolina
- Outdoor Warning Installations, U.S. MacDill Air Force Base – Florida
- Outdoor Warning Installations, U.S. Fort George G. Meade Air Force Base – Maryland
- Outdoor Warning Installations, U.S. Robins Air Force Base – Georgia
- Statewide Disaster Warning & Communication Services, State of Hawaii – Hawaii
- Statewide Disaster Warning & Communication Services, Country of Japan – Japan
- Multiple Outdoor Warning Systems, City of Dallas – Texas

**Education / Development**

*Division of Alerting & Notification Group*

A.A., Architectural Design & Planning, Olive-Harvey Community College

CompTIA

- A+ Certification
- Network+ (Pending)

Genetec:

- Security Center 5.2 Systems

Firetide:

- Certified Mesh Professional
- Certified Mesh Administrator
- Certified Enterprise Administrator

Milestone XProtect:

- Enterprise 8.0
- Corporate 4.1
- Analytics 2.1

Marco recently joined Federal Signal and currently serves as a Systems Engineer with over 16 years of experience in managing critical security surveillance and broadband infrastructure networks. In his role, Marco is responsible for design coordination and planning for the installation and implementation of Federal Signal solutions.

His primary responsibilities include planning, engineering and implementation of security surveillance, wireless broadband solutions, and system performance testing. Marco identifies and develops strategic relationships with partners and potential customers.

Drawing upon his expertise, Marco plays an integral role in the design team where he provides superior knowledge of standard concepts, practices and procedures within an array of market segments that credit his experience and judgments to accomplish business goals.

**Highlighted Projects**

- Citywide Video Surveillance Cameras, City of Harrisburg – Pennsylvania
- Citywide Video Surveillance System Networks, City of Buffalo – New York
- O’Hare International Airport Video Surveillance System and wireless Mesh network - Department of Aviation, City of Chicago - Illinois\*
- Midway International Airport Video Surveillance System and wireless Mesh network - Department of Aviation, City of Chicago – Illinois\*
- Midway International Airport Mobile/Wireless Video Surveillance System - Department of Aviation, City of Chicago – Illinois\*
- Navy Pier Firetide Mesh Network, City of Chicago Park District – Illinois\*

*\*Represents project work at past company.*

## Education / Development

A.A.S., Electronics Engineering  
Technology, Purdue University

Mesh Certified/Trained – FireTide,  
Onssi, and Motorola

Camera Certified/Trained – Sony  
and FCMP

## Division of Alerting & Notification Systems

Mark brings over 26 years of experience in the public safety, video surveillance and wireless broadband market. In his role, Mark is responsible for planning and development of automated applications systems to support the business needs of an organization. Mark plays a major role in the system applications team, whereas he tests and evaluates new processes and implementation of new applications.

As a direct link providing solutions and troubleshooting activities for our customers, Mark performs ongoing maintenance and review of applications systems and programs, and identifies problems and develops appropriate solutions.

### Highlighted Projects

- Wireless Broadband and Video Surveillance System, Cincinnati Metropolitan Housing Authority - Ohio
- Video Surveillance Systems, Norfolk Southern Corporation – Illinois
- Video Surveillance Systems, Norfolk Southern Corporation – Ohio
- Overt/Surveillance, City of Lemont Park District – Illinois
- Arterial and Rail Video Surveillance, Town of Clarendon Police Department and Metra Train Station – Illinois
- Public Safety Video/Network Surveillance Design/Build, City of Rochester, New York Department of Video Surveillance – New York
- Outdoor/Indoor Video Surveillance, Hinsdale Police Department – Illinois
- County-wide Covert Video Surveillance Deployment, City of Cincinnati Police Department – Ohio
- County-wide High Bandwidth Wireless Backhaul Expansion, Town of Abingdon – Virginia



**Education / Development**

*Division of Alerting & Notification Systems*

B.A., Project Management Studies,  
Colorado Technical University

OSHA 10 Hours Safety Training  
Certification, OSHA Training  
Institute, IL

Trelane recently joined Federal Signal Corporation in 2013 where she serves a Project Administrator. In her role, Trelane is responsible for supervising and coordinating work activities by way of assisting Program Managers on specific projects, as well as coordinates installation on non-project management projects. She regularly interfaces with various departments such as Accounting, Purchasing, Project Management and Regional Sales, and Customer Support in the course of work performed in the United States and globally.

Trelane also prepares monthly project reports, customer status reports, project change notices, project close notices, forecasts of cash flow and workload; while serving as a liaison with sales and project management. She also support weekly project reviews by providing cost data to Project Managers, attends weekly reviews, following up with Project Managers and Cost Accountants on all actions, and ensuring that all project data is up to date for all company projects.

Her familiarity of company policies and procedures, and field services management successfully affects the position and image of the company's activities. Not only does she ensure accuracy for our deployments of products and services for customers, she also works diligently to improve the company's core project management practices to maintain healthy, long-lasting relationships with our customers.

Trelane enjoys the process of project administration and seeing projects become equipped with sound and reliable solutions that enhance the safety and security of people's lives.

**Education / Development**

*Division of Alerting & Notification Systems*

Master of Arts, Child and Adolescent Psychology, Lewis University

B.A.S., Business Management, Robert Morris College

A.A.S., Paralegal, Robert Morris College

Illinois Licensed Professional Counselor, Illinois Department of Financial & Professional Regulation

Advanced Cardiac Life Support (ACLS) Certified, Riverside Medical Center

Notary Public, State of Illinois  
Jesse White Secretary of State

Gina is a Contract Administrator at Federal Signal Corporation and serves as a trustworthy mediator for many of our customers. Since she joined Federal Signal in 2011, she has been responsible for ensuring that Federal Signal, partnering customers, and subcontractors uphold their ends of contract agreements. In her role, Gina is engaged at the front-end of structuring sound business arrangements, analyzing RFP terms and conditions, proposal preparation and developing negotiation strategies to better understand how customers operate. She feels this helps to determine the most appropriate integrated solution for every situation.

Gina also performs financial reconciliation of projects and retains copies of the entire closeout package in the contracts e-library and updates the contracts database appropriately. She regularly interfaces with Executive Management, Accounting, Internal and External Compliance, Corporate Legal and Insurance, Project Management and Regional Sales, and Customer Support in the course of performing work and/or renewing contracts in the United States and Internationally.

In addition, Gina prepares and negotiates teaming agreements and non-disclosure agreements with teaming partners, as well as constructs responsive contract/cost volume to customers' Request for Proposals. She manages the award of required subcontract agreements ensuring compliance with the requirements of prime contracts. She also provides guidance to the customer service team by way of carrying out the terms of the contract, offering solutions to mitigate contractual and project risks. Her familiarity of contract terms and conditions, contract types, cost accounting standards, cost reconciliation, and accounting successfully affects the direction of the company's activities concerning the deployment of products and services.

Gina enjoys the process of contract management and seeing projects become equipped with sound and reliable solutions that enhance the safety and security of people's lives.

## Education / Development

B.F.A., Media Arts and Animation,  
Illinois Institute of Art

A.A.S., Computer Drafting and  
Design, ITT Technical Institute

SBCA Certified Installer – Satellite  
Broadcasting & Communications  
Association

ISO:9000 Certified TÜV SÜD  
America – SolidWorks  
Certification, 3ds Max 9  
Certification, Maya 7.0  
Certifications, Adobe Illustrator and  
Photoshop Certifications,  
(Pursuing)

## Division of Alerting & Notification Systems

Joe brings more than 3 years of project management, field installation, and technical design services to his projects for a variety of safety and security customers. In his role as Mechanical Designer, Joe is responsible for spearheading teams in the design, re-design, and launch of leading-edge solutions driving record-setting accuracy.

Joe plays an integral role to the design team where he demonstrated his ability to build solid relationships with strategic partners, as well as consensus across multiple organizational levels. Joe believes in working hard for the satisfaction of customers and continuous contributions toward brand recognition of the company.

### Highlighted Projects

- Video Surveillance Systems at Navy Pier, Chicago Park District - Illinois
  - Wireless Broadband and Video Surveillance System, Cincinnati Metropolitan Housing Authority - Ohio
  - Video Surveillance Systems, Norfolk Southern Corporation – Illinois
  - Video Surveillance Systems, Norfolk Southern Corporation – Ohio
  - Video Surveillance Systems, Norfolk Southern Corporation – Missouri
  - County-wide Covert Video Surveillance Field Deployment, City of Cincinnati Police Department – Ohio
  - Indoor/Outdoor Warning Design Engineering Services at Diablo Canyon, PG&E – California
  - County-wide High Bandwidth Wireless Backhaul Field Expansion, Town of Abingdon – Virginia
  - Arterial and Rail Video Surveillance Field Installation, Town of Clarendon Police Department and Metra Train Station – Illinois
  - Outdoor/Indoor Video Surveillance, Hinsdale Police Department – Illinois
  - County-wide Alerting & Notification System Design Engineering Services, Marion County Emergency Management – Indiana
  - Lead Technical Service Specialist, Southwest Satellite Inc – Illinois\*
  - Field Services Manager, Galaxy 1 Marketing – Illinois\*
- \*Represents project work at past company.



FLORIDA DEPARTMENT OF STATE  
DIVISION OF CORPORATIONS



## Detail by Entity Name

### Foreign Profit Corporation

FEDERAL SIGNAL CORPORATION

### Filing Information

<b>Document Number</b>	822536
<b>FE/EIN Number</b>	361063330
<b>Date Filed</b>	03/20/1969
<b>State</b>	DE
<b>Status</b>	ACTIVE
<b>Last Event</b>	NAME CHANGE AMENDMENT
<b>Event Date Filed</b>	09/12/1975
<b>Event Effective Date</b>	NONE

### Principal Address

1415 W 22ND STREET  
ROOM 1100  
OAK BROOK, IL 60523

Changed: 05/13/2000

### Mailing Address

1415 W 22ND STREET  
ROOM 1100  
OAK BROOK, IL 60523

Changed: 05/13/2000

### Registered Agent Name & Address

NRAI SERVICES, INC.  
1200 South Pine Island Road  
Plantation, FL 33324

Name Changed: 05/18/1998

Address Changed: 02/11/2011

### Officer/Director Detail

#### **Name & Address**

## Title VP

DELEONARDIS, JOHN A.  
1645 SEQUOIA TRAIL  
GLENVIEW, IL 60025

## Title VS

SHERMAN, JENNIFER  
305 S GARFIELD  
HINSDALE, IL 60523

## Title PD

MARTIN, DENNIS  
1415 W 22ND ST  
OAK BROOK, IL 60523

## Title SVP

WAVERLEY, BRADEN  
1415 W 22ND STREET  
ROOM 1100  
OAK BROOK, IL 60523

## Title VP &amp; CONTROLLER

AVERY, CHARLES  
1415 W 22ND STREET  
ROOM 1100  
OAK BROOK, IL 60523

## Title TREASURER

DOLATOWSKI, RONALD  
1415 W 22ND STREET  
ROOM 1100  
OAK BROOK, IL 60523

## Title VP

PRYAL, MICHAEL  
1415 W 22ND STREET  
ROOM 1100  
OAK BROOK, IL 60523

## Title VP

GARVIN, MARTIN  
1415 W 22ND STREET  
ROOM 1100  
OAK BROOK, IL 60523

## Title DIRECTOR

CAMPBELL, CHARLES  
1415 W 22ND STREET  
ROOM 1100  
OAK BROOK, IL 60523

## Title DIRECTOR

MUDGE, RICHARD  
1415 W 22ND STREET  
ROOM 1100  
OAK BROOK, IL 60523

## Title DIRECTOR

ROMEO, DOMINIC  
1415 W 22ND STREET  
ROOM 1100  
OAK BROOK, IL 60523

## Title DIRECTOR

JONES, PAUL  
1415 W 22ND STREET  
ROOM 1100  
OAK BROOK, IL 60523

## Title DIRECTOR

GOODWIN, JAMES  
1415 W 22ND STREET  
ROOM 1100  
OAK BROOK, IL 60523

## Title DIRECTOR

REICHELDERFER, BRENDA  
1415 W 22ND STREET  
ROOM 1100  
OAK BROOK, IL 60523

## Title DIRECTOR

OWENS, WILLIAM  
1415 W 22ND STREET  
ROOM 1100  
OAK BROOK, IL 60523

**Annual Reports**

Report Year	Filed Date
2011	02/16/2011
2012	01/05/2012
2013	02/11/2013

### Document Images

<a href="#">02/11/2013 – ANNUAL REPORT</a>	View image in PDF format
<a href="#">01/05/2012 – ANNUAL REPORT</a>	View image in PDF format
<a href="#">02/16/2011 – ANNUAL REPORT</a>	View image in PDF format
<a href="#">02/24/2010 – ANNUAL REPORT</a>	View image in PDF format
<a href="#">03/03/2009 – ANNUAL REPORT</a>	View image in PDF format
<a href="#">07/07/2008 – ANNUAL REPORT</a>	View image in PDF format
<a href="#">02/21/2007 – ANNUAL REPORT</a>	View image in PDF format
<a href="#">03/24/2006 – ANNUAL REPORT</a>	View image in PDF format
<a href="#">03/23/2005 – ANNUAL REPORT</a>	View image in PDF format
<a href="#">02/23/2004 – ANNUAL REPORT</a>	View image in PDF format
<a href="#">02/07/2003 – ANNUAL REPORT</a>	View image in PDF format
<a href="#">05/20/2002 – ANNUAL REPORT</a>	View image in PDF format
<a href="#">04/27/2001 – ANNUAL REPORT</a>	View image in PDF format
<a href="#">05/13/2000 – ANNUAL REPORT</a>	View image in PDF format
<a href="#">05/06/1999 – ANNUAL REPORT</a>	View image in PDF format
<a href="#">05/18/1998 – Reg. Agent Change</a>	View image in PDF format
<a href="#">04/27/1998 – ANNUAL REPORT</a>	View image in PDF format
<a href="#">05/02/1997 – ANNUAL REPORT</a>	View image in PDF format
<a href="#">04/23/1996 – ANNUAL REPORT</a>	View image in PDF format
<a href="#">05/01/1995 – ANNUAL REPORT</a>	View image in PDF format





---

# DNV BUSINESS ASSURANCE

---

# MANAGEMENT SYSTEM CERTIFICATE

---

Certificate No. CERT-08514-2006-AQ-HOU-ANAB

*This is to certify that*

**Federal Signal Corporation**  
**University Park Facility**  
*at*

2645 Federal Signal Drive, University Park, IL 60466 USA

*has been found to conform to the Management System Standard:*

**ISO 9001:2008**

*This Certificate is valid for the following product or service ranges:*

**The design, manufacture and marketing of audible and visual signaling products and systems for use by industrial and government customers worldwide**

*Initial Certification date:*

May 09, 1996

*Place and date:*

Houston, Texas, December 22, 2011

*This Certificate is valid until:*

December 22, 2014

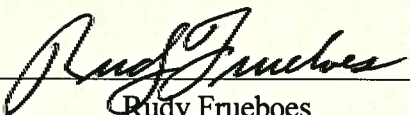
*for the Accredited Unit:*

DET NORSKE VERITAS  
CERTIFICATION INC., HOUSTON TEXAS



*The audit has been performed under the supervision of*

Charles Kittl  
*Lead Auditor*

  
Rudy Frueboes

*Management Representative*

Lack of fulfillment of conditions as set out in the Certification Agreement may render this Certificate invalid.





# CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)  
11/06/2013

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

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

<b>PRODUCER</b> Aon Risk Services Central, Inc. Chicago IL Office 200 East Randolph Chicago IL 60601 USA	<b>CONTACT NAME:</b> PHONE (A/C. No. Ext): (866) 283-7122      FAX (A/C. No.): (800) 363-0105		
	<b>E-MAIL ADDRESS:</b>		
<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>	
<b>INSURED</b> Federal Signal Corporation 2645 Federal Signal Drive University Park IL 60466 USA	INSURER A: National Union Fire Ins Co of Pittsburgh		19445
	INSURER B: New Hampshire Ins Co		23841
	INSURER C: Insurance Co of the State of PA		19429
	INSURER D: RSUI Indemnity Company		22314
	INSURER E: Berkley National Insurance Company		38911
	INSURER F: Lloyd's Syndicate No. 2623		AA1128623

Holder Identifier :

**COVERAGES**      **CERTIFICATE NUMBER: 570051915995**      **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<b>GENERAL LIABILITY</b>			GL6819408	11/01/2013	11/01/2014	EACH OCCURRENCE	\$1,000,000
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY			GL Premise	11/01/2013	11/01/2014	DAMAGE TO RENTED PREMISES (Ea occurrence)	\$1,000,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR			GL6819409			MED EXP (Any one person)	\$10,000
				GL Products			PERSONAL & ADV INJURY	\$1,000,000
							GENERAL AGGREGATE	\$2,000,000
							PRODUCTS - COMP/OP AGG	\$6,000,000
							Prod-Comp/Ops - Ea Occur	\$3,000,000
GENL AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC								
A	<b>AUTOMOBILE LIABILITY</b>			CA6579515	11/01/2013	11/01/2014	COMBINED SINGLE LIMIT (Ea accident)	\$1,000,000
A	<input checked="" type="checkbox"/> ANY AUTO			AOS	11/01/2013	11/01/2014	BODILY INJURY ( Per person)	
A	<input type="checkbox"/> ALL OWNED AUTOS	<input type="checkbox"/>	<input type="checkbox"/>	CA6579517	11/01/2013	11/01/2014	BODILY INJURY (Per accident)	
	<input type="checkbox"/> HIRED AUTOS	<input type="checkbox"/>	<input type="checkbox"/>	MA	11/01/2013	11/01/2014	PROPERTY DAMAGE (Per accident)	
		<input type="checkbox"/>	<input type="checkbox"/>	CA6579516				
		<input type="checkbox"/>	<input type="checkbox"/>	VA				
D	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	NHN065443	11/01/2013	11/01/2014	EACH OCCURRENCE	\$2,000,000
	<input type="checkbox"/> <b>EXCESS LIAB</b>	<input type="checkbox"/>	<input type="checkbox"/>	SIR applies per policy terms & conditions			AGGREGATE	\$2,000,000
	<input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION							
B	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b>			WC026020465	11/01/2013	11/01/2014	<input checked="" type="checkbox"/> WC STATUTORY LIMITS	<input type="checkbox"/> OTHER
B	ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AOS	11/01/2013	11/01/2014	E.L. EACH ACCIDENT	\$500,000
	If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	WC026020469			E.L. DISEASE-EA EMPLOYEE	\$500,000
				CA			E.L. DISEASE-POLICY LIMIT	\$500,000
F	E&O-MPL-Primary			w1314D130201	11/01/2013	11/01/2014	Each Claim	\$1,000,000
				E&O Technology Liability			Policy Aggregate	\$1,000,000

Certificate No : 570051915995

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
Evidence of Insurance.**CERTIFICATE HOLDER****CANCELLATION**

Federal Signal Corporation 2645 Federal Signal Drive University Park IL 60466 USA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	<b>AUTHORIZED REPRESENTATIVE</b>  <i>Aon Risk Services Central, Inc.</i>

©1988-2010 ACORD CORPORATION. All rights reserved.



# ADDITIONAL REMARKS SCHEDULE

AGENCY Aon Risk Services Central, Inc.		NAMED INSURED Federal Signal Corporation	
POLICY NUMBER See Certificate Number: 570051915995			
CARRIER See Certificate Number: 570051915995	NAIC CODE	EFFECTIVE DATE:	

**ADDITIONAL REMARKS**

**THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,  
FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance**

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER	
INSURER	
INSURER	
INSURER	

**ADDITIONAL POLICIES** If a policy below does not include limit information, refer to the corresponding policy on the ACORD certificate form for policy limits.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS	
	WORKERS COMPENSATION							
B		N/A		WC026020470 FL	11/01/2013	11/01/2014		
C		N/A		WC026020471 MA, ND, WA, WY	11/01/2013	11/01/2014		
B		N/A		WC026020466 IL, KY, NC, UT	11/01/2013	11/01/2014		
B		N/A		WC026020467 NJ, PA	11/01/2013	11/01/2014		
B		N/A		WC026020468 AZ, GA, VA	11/01/2013	11/01/2014		



**Technical Equipment Specifications**

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

8. The system should be configurable to allow setting a delayed power off in intervals of 0, 5, 10, 60 and 120 minutes.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
9. Each camera enclosure shall include two cameras (one color and one black/white) and an infrared illuminator and be nitrogen sealed to perform in any weather condition.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
10. LPR system should have a minimum/maximum operating temperature range of at least 20 to 160 degrees Fahrenheit	<b>YES Standard</b>	<b>YES Custom</b>	<b>NO  X</b>
Comments and Explanation: Federal Signal has equipment in Saudi Arabia and Turkey without issue.			
11. Cameras should be externally mounted with secure magnetic base including operational alignment bracket and variable direction system which allows the camera to be locked into a forward or backward facing position.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
12. The mounting system shall include an anti-theft/removal bracket to guarantee the placement of the camera when trunk mounted.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
13. Communications between the cameras and user interface shall consist of IP, TCP and UDP over 100Mb Fast Ethernet	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
14. The system shall separately capture, interpret, process, display and store images of the license plate within range of the equipped vehicle without the interaction of the end-user	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			

15. The system shall continue to read license plates during all functions except for a diagnostic mode.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			

**User Interface**

1. The user interface software (GUI) shall be able to be loaded on existing laptop computer and not require additional display hardware.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
2. The system shall be installed and function on a laptop within the minimum specs for the user interface software.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
3. The system shall be installed and function on a laptop within the recommended specs for the user interface software.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
4. The system shall function with full capabilities with an operating system environment of Microsoft Windows 7 or higher (in 32-bit and 64-bit environments)	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
5. Each license plate read should consist of one color overview image of the entire target vehicle, one black and white of the license plate, a time and date stamp, GPS coordinates, and any associated "hit" information.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
6. The system should allow storage of plate reads for at least 3 months and up to 12 months and retain those records after data transfer to a server for long term storage.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			



7. The system should provide the ability to store at least 10 million records in its "hotlist" database.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
8. The system shall provide the ability to accommodate multiple hotlists acquisition from independent data sources. Hotlists shall include Suspended Licenses, Wanted, Insurance, Sexual Offenders, NCIC, and FCIC.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
9. The system should be multi-user capable with user and password management available through the in-vehicle interface.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
10. The system shall have the ability to push settings to the in-vehicle system from back office software.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
11. The system shall have the ability to lock out certain features based on user logon credentials set through the back office software.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
12. The in-vehicle system shall have the ability to query record data on the server and present it to the user without leaving the application.	<b>YES Standard</b>	<b>YES Custom X</b>	<b>NO</b>
Comments and Explanation: This is done with a web client connection.			
13. Hotlists shall be able to be loaded via Wi-Fi (802.11) without user intervention.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
14. Hotlists shall be able to be loaded via cellular without user intervention.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>

Comments and Explanation:			
15. Reads that are on the hotlist shall alert the user with both an audible and visible alarm in under a second.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
16. The system shall allow the end-user to query stored reads against time and date and full or partial tags.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
17. The system shall allow query results to be displayed and included a time and date stamp, a B&W image of the plate, a color overview image and corresponding GPS coordinates of the read placed on a map including any associated information with the hotlist database match.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
18. The mapping system should be local to the laptop and NOT require the use of Internet connection to render any maps.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
19. The mapping system should be licensed and proof of license must be furnished at time of Bid.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
20. The mapping system shall be part of the system purchase cost and not tied to data usage	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
21. The mapping system shall receive regular and timely updates from the vendor while the product is under warranty and support.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>

Comments and Explanation:			
22. The system shall provide multiple layers of security and configuration so that certain matches may alert only those officers with appropriate privileges.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
23. The system shall run off an embedded database not requiring additional maintenance or installation.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
24. The system should run off an embedded database not requiring additional fees.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
25. The system shall allow the ability to toggle between the black/white (IR) image and the corresponding color image on the user interface.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
26. The system should be configurable to choose the default presets for images displayed after the system startup as either black/white or the color image.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
27. The system shall be able to retrieve new or updated hotlist files automatically to an agency-defined schedule, via the wireless network connection without operator intervention (automated updates).	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
28. The system shall be able to retrieve new or updated hotlist files automatically to an agency-defined schedule, via cellular modem without operator intervention (automated updates).	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			

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

Comments and Explanation:			

**Server Specs**

1. The server application shall be compatible in a virtual environment (VMWARE ESX)	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
---	-------------------------------	-----------------------	-----------

Comments and Explanation:			
---------------------------	--	--	--

2. The software shall allow searches of stored reads via time and date, tags (including partials), location radius, and map location.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
---	-------------------------------	-----------------------	-----------

Comments and Explanation:			
---------------------------	--	--	--

3. The software shall be able to create PDF files for each record to include a color image of the vehicle, a black/white image of the vehicle, a map of the read location and the ability to view the location maps.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
--	-------------------------------	-----------------------	-----------

Comments and Explanation:			
---------------------------	--	--	--

4. The server software shall have a mapping system that does not require Internet connectivity in order to render.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
--	-------------------------------	-----------------------	-----------

Comments and Explanation:			
---------------------------	--	--	--

5. The software shall provide data mining functions including: convoy analysis, unique/duplicate plates, time frame analysis, and nested searches.	<b>YES Standard</b>	<b>YES Custom X</b>	<b>NO</b>
--	-------------------------	-----------------------------	-----------

Comments and Explanation:			
---------------------------	--	--	--

6. The system shall be able to generate email messages to mobile devices including mapping.	<b>YES Standard</b>	<b>YES Custom</b>	<b>NO X</b>
---	-------------------------	-----------------------	-----------------

Comments and Explanation: Email/and Email to Text we provide but not with mapping			
---	--	--	--

7. The software shall be able to manage multiple hotlists that have different independent refresh rates.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
--	-------------------------------	-----------------------	-----------

Comments and Explanation:			
---------------------------	--	--	--

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

***Support and Warranty***

1. The vendor shall provide priority onsite support for all hardware and issues pertaining to the license plate recognition equipment within four hours of being notified. The vendor shall explain their priority support process.	<b>YES Standard</b>	<b>YES Custom X</b>	<b>NO</b>
Comments and Explanation: Federal Signal can provide a 4 hour response time within normal business hours.			
2. The vendor shall provide priority onsite or remote support for software issues pertaining to the server application within four hours of being notified. The vendor shall explain their priority support process.	<b>YES Standard</b>	<b>YES Custom X</b>	<b>NO</b>
Comments and Explanation: Federal Signal can provide a 4 hour response time within normal business hours.			

3. The vendor shall have a fully functioning product for at least 60 consecutive days without an issue.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
4. The vendor shall provide onsite training as part of train-the-trainer on all portions of the license plate recognition application.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
5. The vendor's equipment and software shall require a 60 day test period to be considered as fully functional.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
6. The vendor shall provide all wiring, cabling, parts, fittings, hardware, fuses, and any other components to properly install their equipment into the vehicle without any additional expense to the city.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
7. The vendor shall provide a spare unit to be installed when a device is required to be removed for warranty, maintenance or other service while the units are still under support or warranty.	<b>YES Standard</b>	<b>YES Custom X</b>	<b>NO</b>
Comments and Explanation:			
8. Vendor shall provide 1 year warranty for parts and labor included in the initial purchase. (Warranty period to begin once system is fully functional and approved by City staff – see item 5 above)	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			
9. The vendor shall provide a cost for an additional 3-year of warranty and support.	<b>YES Standard X</b>	<b>YES Custom</b>	<b>NO</b>
Comments and Explanation:			





## Section 8: Needs Assessment

*Proposer's assessment of the City of Fort Lauderdale's needs and the quality of the proposal to meet those needs, including a plan/outline.*

### **Needs Assessment**

The purpose of this proposal is to provide the details of Federal Signal Corporation's offering, identify the benefits to Fort Lauderdale, FL., and communicate the advantage of teaming with Federal Signal for the implementation of Automatic License Plate Recognition (ALPR). This system is to be built with expansion in mind for the possibility of additional (ALPR) cameras. By working closely with our customers to design and implement solutions, Federal Signal Corporation strives to provide, in a timely manner, the most cost-effective systems without sacrificing quality or functionality. Our commitment to our customers' unique needs and budgets has resulted in the successful deployment of public safety and security systems in over 40 countries worldwide. Our team brings to the table a demonstrated skill in delivering innovative and concise applications and installation management. Our team is experienced in providing design and installation services that meet or exceed the needs of our clients in the most expedient and economical manner possible. We do this by making an effort to understand our client's goals and integrate them into the planning and design concept. We understand that providing cost effective solutions that work, expediting a timely project completion, and responsible maintenance and servicing are critical to the success of this project.

Our team has the ability to coordinate and control the primary project drivers – budget, schedule and system – are directly related to the success of the project. Our experience helps us to ask the right questions and offer alternate solutions to common issues. We integrate the immediate needs of our customer with the larger vision of the project, but most importantly we do so in a cost- effective way without sacrificing quality and desired features. In that regard, our team is committed to performing the work within the time period outlined within your scope. The Federal Signal team's experience in being an owner's technical representative/project management allows our staff to function as a partner for the critical operational and organizational needs of your facility. By serving as your technical representative, we have your best interests in mind and coordinate your project to help meet your budget and your schedule goals. Federal Signal's staff includes certified project management professionals with expertise in managing a variety of complex projects and all on-site personnel have successfully completed 10-Hour and 30-Hour OSHA Safety training which will provide a safe and healthy work environment.

### **Tools & Safeguards**

Federal Signal Corporation's Safety and Security Systems Group operates under a rigorous certified quality management system designed to meet the requirements of ISO 9001:2008. This system demonstrates our ability to consistently provide products that meet customer and applicable regulatory agency requirements aimed toward enhancing customer satisfaction through effective application.

### **Training and On-going Support**

In order to deliver the most effective training, Federal Signal will work closely with the City of Fort Lauderdale, FL to develop a customized training plan. Based upon the collaborative planning, the plan would include the following:

In-person Classroom Training:

1. This will be delivered onsite after system is fully optimized. We will work closely with each of the drivers of the LPR cars to insure they are fully comfortable with the system. This can be done as 'ride along' or in a classroom environment.
2. This structure permits personal interaction without the expense and costs of reserving meeting rooms and investing in dedicated training suites.
3. Federal Signal believes seeing the application live and interacting in a facilitated session with the application trainers provides a solid learning environment.
4. Additionally, Training will be offered through a Web-based interactive forum using on-line meeting (TeamViewer) technology. FLPD can request web-based training anytime they need. Typically a 14-day advanced notice will give us an opportunity to plan in advance.

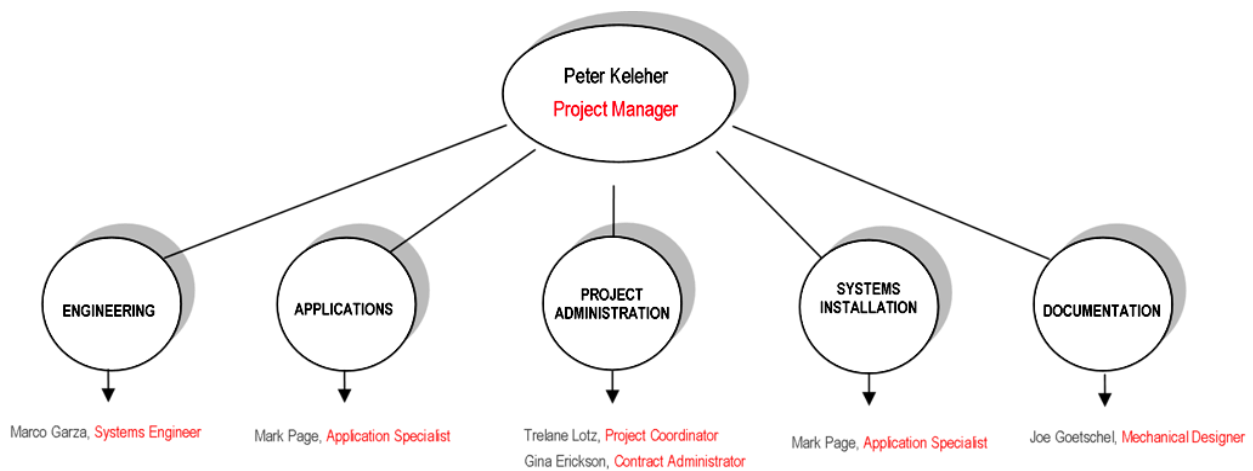


# Section 9: Ability of Assign Resources

*Proposer's ability to assign appropriate resources to the account in a timely manner.*

## Staffing & Certifications

Our Alerting & Notification Systems team is comprised of five major areas which are; Design Engineering, Application Engineering, Project Management, Installation / Field Service, and Administration/Sales. Our Engineer's have the required undergraduate and post graduate degrees coupled with years of industry leading experience in the fields of Electronic Engineering, Mechanical Engineering and Computer Science. Support for a project is provided by permanent employees of the Alerting & Notification business unit. Fundamental to Federal Signal Corporation is a belief in teamwork between owners, administration staff, the community, and project team. Collaboration between dedicated professionals is the best guarantee of achieving a process and project of the highest quality and functionality capabilities. Our commitment to communicating effectively and adapt to change embodies our technical support team to develop innovative solutions that improve efficiency, enhance quality, increase economic responses, and ensures that both short-term and long-term goals are met successfully. As an integrated delivery team, we selected Integrated Empire Data Communications Corporation to work with the Federal Signal Corporation team to fulfill system installation and optimization requirements for this project. Below is a snapshot of our proposed team for this project.



## Field Service Managers

Federal Signal's field service manager will appoint a certified installer to each account based on the job location. Typically Federal Signal provides 24-hour response time, 3-day response time, and 7-day response time. Federal Signal has divided the USA into four different zones and has assigned Tier-1 regional installers for a larger system's onsite maintenance.





# Turn-key System Solutions

## Features

- Federal Signal Trained and Authorized Installers
- Coordinated Installation and Training
- Project Administrator to personally coordinate your installation
- Clearly defined expectations for both Federal Signal Installers and our Customers
- Project start and completion dates determined prior to ship dates
- System Optimization and Training by Factory Authorized specialists

## Federal Signal Corporation offers Turn-key system solutions for:

- Outdoor Warning Siren Systems
- Land-based Industrial Facilities
- Fire Station Alerting
- Industrial Intercom and,
- Public Address Systems.

Your individual project is tracked from the time it is received at the factory until a system acceptance is received from you, the customer. A Federal Signal project administrator will be assigned as a primary contact for your system once your order is confirmed. Detailed information about your installation will be provided prior to the arrival of your equipment. This information will include a list of responsibilities for your installer as well as what will be required from you, the customer (see reverse side for explanation). Your installer will contact you prior to installation to explain these procedures and their installation schedules.

With a Federal Signal Turn-key installation, you can count on quality. All Federal Signal installers, technicians, and trainers are factory-trained, authorized specialists who meet our rigorous standards for experience, skill, and product knowledge. All factory-authorized personnel receive continuous training to maintain our high standards.

Your Turn-key installation is completed with system optimization performed by our factory authorized representative. This optimization ensures that your system is operating as required and that you and your staff are trained to operate efficiently and with confidence.



*Advancing security and well being.*



## Section 11: References

List of three clients/references for whom you have provided similar services in the last three years; Provide agency name, E-mail Address (import: provide a current e-mail address as this may be the primary way of contacting your reference), address, telephone number, contact person, and date service was provided. Be prepared to provide, upon request, evidence of work product, ability to meet schedules, cooperation, and responsiveness. Attach additional sheets if necessary.

Agency Name	Email Address	Address	Telephone	Contact Person	Service Dates
City of Cincinnati Police Department - Ohio	Barry.Whitton@cincinnati-oh.gov	2000 Radcliff Dr., Cincinnati, OH 45204	513.368.1110	Barry Whitton	2008 to Present
Village of Lemont Police Department - Illinois	kshaughnessy@lemont.il.us	127th Street Lemont, IL 60439	630.257.2229	Kevin Shaughnessy	2006 to Present
Hamilton County/ City of Cincinnati - Ohio	heather.whitton@cincinnati-oh.gov	2000 Radcliff Dr., Cincinnati, OH 45204	513.520.8391	Heather Whitton	2008 to Present

# Customer Quicklist – ALPR Solutions

Alameda County Sheriffs Office (CA)	City of Blythe (CA)
Alto <i>Traffle</i> (Mexico)	City of Boulder (CO)
Amano McGann - Nashville Airport (TN)	City of Burbank (CA)
Aurora PD (CO)	City of Carrollton (TX)
Baton Rouge PD (LA)	City of Chehalis (y'JA)
Baton Rouge PD (LA)	City of Cincinnati (OH)
Bethlehem PD (PA)	City of Clovis (NM)
Bloomington PD (MN)	City of Coachella (CA)
Blount County Sheriff (TN)	City of Concord (CA)
Boone County Sheriff (KY)	City of Conway (AR)
Broward County Sheriff Office (FL)	City of Coronado (CA)
Burbank Airport Authority (CA)	City of Cudahy (y'I)
Caddo Parish Sheriff Office (LA)	City of Dublin (CA)
Cameron County Sheriffs Dept (TX)	City of El Cajon (CA)
Carrollton PD (TX)	City of Englewood (OH)
Cedar City PD (UT)	City of Evansville (IN)
Chatham County (GA)	City of Fontana (CA)
Chesterfield PD (MO)	City of Fullerton (CA)
City of Rancho Palos Verdes (CA)	City of Georgetown (SC)
City of Moreno Valley (CA)	City of Glendora (CA)
City of Albuquerque (NM)	City of Gretna (LA)
City of Atlantis (FL)	City of Groves (TX)
City of Bartlett (TN)	City of Henderson (NV)
City of Bell (CA)	City of Highland (CA)
City of Bell Gardens (CA)	City of Highland Village (TX)
City of Beverly Hills (CA)	City of Hobbs (NM)
City of Bloomington (MN)	City of La Mesa (CA)



# Customer Quicklist – ALPR Solutions

City of Las Vegas (NV)	City of Visalia (CA)
City of Lynwood (CA)	City of Waco (TX)
City of Malibu (CA)	City of Wheat Ridge (CO)
City of Medford (OR)	Claremont PO (CA)
City of Milpitas (CA)	Coeur d'Alene PD (ID)
City of Morgan Hill (CA)	Colorado State University
City of North Las Vegas (NV)	Concord PO (CA)
City of Oxford (OH)	Cooks Communications - Fresno County Sheriff (CA)
City of Pasadena (CA)	County of Riverside - Jurupa Valley Station (CA)
City of Peoria (AZ)	County of San Bernardino (CA)
City of Phoenix (AZ.)	County of San Diego (CA)
City of Portland (OR)	County of San Mateo (CA)
City of Prescott (AZ.)	Covina PO (CA)
City of Racine (WI)	Crockett County Sheriff Office (TX)
City of Richland (MS)	CSU Long Beach PD (CA)
City of Salem (OR)	Douglas County (CO)
City of San Angelo (TX)	E-470 (CO)
City of San Bernardino (CA)	Eloy PO (AZ.)
City of San Diego (CA)	Fontana PO (CA)
City of San Mateo (CA)	Fort Huachuca (AZ.)
City of Santa Monica (CA)	Fort Wright PO (KY)
City of Scottsdale (AZ)	Franklin PO (TN)
City of Simi Valley (CA)	Franklin PD (WI)
City of Sioux City (IA)	Franklin PO (WI)
City of St. George (UT)	Gadsden PO (AL)
City of Temecula (CA)	Gilroy PO (CA)
City of <i>Vernon</i> (CA)	Glendale PO (AZ)

# Customer Quicklist – ALPR Solutions

GMS Technologies (Canada)	LaTech - East Baton Rouge PD (LA)
Green Township PD (OH)	LaTech- Fort Polk (LA)
GTBM - Bergen County (NJ)	LaTech- HIDTA (LA)
GTBM - Delaware River Port Authority	LaTech - Jefferson Parish Sheriff (LA)
GTBM - Rochelle Park/Bergen (NJ)	LaTech- Jefferson Parish Sheriff (LA)
GTBM - West Orange (NJ)	LaTech- Kenner PD (LA)
Hamilton County (OH)	LaTech - Lafayette Parish Sheriffs Office (LA)
HawaiiDOT	LaTech - Lake Charles PD (LA)
Hialeah Police Dept (FL)	LaTech - Louisiana State University
Hillsborough County Aviation Authority (FL)	LaTech - LSU Police Dept (LA)
Hillsborough County Aviation Authority (FL)	LaTech- Mandeville PD (LA)
Hillsborough County Aviation Authority (FL)	LaTech - St James Sheriffs Office (LA)
Huntington Park PD (CA)	LaTech - St John Sheriff Office (LA)
Hutchinson PD (KS)	LaTech- St Tammany Sheriffs Office (LA)
International Road Dynamics- Spokane (WA)	LaTech- St. James Sheriff Office (LA)
International Road Dynamics (Canada)	Lawrence PD (KS)
IQ-Tec (Mexico)	Lawrenceburg PD (IN)
IQ-Tec (Mexico)	Leverage Information Systems - Escondido PD (CA)
Joe Usry Auto Group (MS)	Leverage Information Systems - Escondido PD (CA)
Justice Police Dept (IL)	Long Beach Police Dept (CA)
Kaufman County Sheriff (TX)	Los Angeles County Metropolitan Transportation Authority (CA)
Kootenai County Sheriff Dept (ID)	Los Angeles County Sheriff (CA)
Kustom Signals - New South Wales Police Force	Los Angeles County Sheriff (CA)
La Verne PD (CA) La	Los Angeles County Sheriff (CA)
Verne PD (CA) LaTech -	Louisiana State University PD
Baker PD (LA)	Louisiana State University PD
LaTech- Baton Rouge PD (LA)	

# Customer Quicklist – ALPR Solutions

Lubbock County (TX)

Macomb County Sheriff Office (MI)

Madison County Sheriff's Office (10)

Madison County Sheriff's Office (10)

Madison County Sheriff's Office (10)

Madison County Sheriff's Office (ID)

Major Police Supply - Bensalem Twp (PA)

Major Police Supply - Bergen County & Oradell (NJ)

Major Police Supply - Bergen County (NJ)

Major Police Supply - Botetourt *01A*

Major Police Supply - Brick Twp (NJ)

Major Police Supply - Burlington City (NJ)

Major Police Supply - Camden (NJ)

Major Police Supply - Catskill PO (NY)

"Major Police Supply - Cinnaminson, NJ"

"Major Police Supply - Cliffside Park, NJ"

Major Police Supply - County of Essex (NJ)

Major Police Supply - Cumberland County (NJ)

Major Police Supply - Dewey Beach (DE)

Major Police Supply - East Orange PO (NJ)

Major Police Supply - Edison (NJ)

Major Police Supply - Elizabeth PD (NJ)

"Major Police Supply- Emporia, VA"

Major Police Supply - Essex County (NJ)

Major Police Supply - Fort Myers *01A*

Major Police Supply - Ft Myers *01A*

Major Police Supply - Georgetown PO (SC)

Major Police Supply - Gloucester Co/Rowan (NJ)

Major Police Supply - Gloucester Twp (NJ)

Major Police Supply - Harrison PO (NY)

Major Police Supply- Hunterdon Co/Clinton Twp (NJ)

Major Police Supply- Lagrange PD (GA)

Major Police Supply- Lagrange PD (GA)

Major Police Supply - Lakewood Airport (NJ)

Major Police Supply - Lakewood PO (NJ)

Major Police Supply - Middlesex County (NJ)

Major Police Supply - Middlesex County (NJ)

Major Police Supply - Middlesex County (NJ)

Major Police Supply - Newark (NJ)

Major Police Supply - Newark PD (DE)

Major Police Supply - North Brunswick (NJ)

Major Police Supply - Ocean City (MD)

"Major Police Supply- Ocean City, MD"

Major Police Supply - Passaic County (NJ)

Major Police Supply - Passaic/Pequannock (NJ)

Major Police Supply - Paulsboro (NJ)

Major Police Supply - Port Authority of NY & NJ

Major Police Supply- Prince George 01A)

Major Police Supply - Ringwood PD (NJ)

Major Police Supply - Salem (NJ) & Ocean City (MD)

Major Police Supply - Salem *01A*)

Major Police Supply - Smyth Co *01A*)

Major Police Supply - Smyth Co *01A*)

Major Police Supply- Toms River (NJ)

# Customer Quicklist – ALPR Solutions

Major Police Supply- Town of Phillipsburg (NJ)  
Major Police Supply - Union City (NJ)  
Major Police Supply - Union City (NJ)  
Major Police Supply - Village of Sands Point Police (NY)  
Major Police Supply - Washington County (PA)  
Major Police Supply - West Milford (NJ)  
Major Police Supply - Westville (NJ) Major Police Supply - Wicomico Co (MD) Major Police Supply - Wilson Co Sheriff (NC) Mapco Auto Parks  
Marion County EMA (IN)  
Marion County EMA (IN)  
McAllen PO (TX)  
Metropolitan Knoxville Airport Authority (TN)  
MHQ - Abington PO (MA)  
MHQ - Amherst PO (MA) MHQ - Foxborough PO (MA)  
MHQ - Franklin PO (MA) MHQ - Hingham PO (MA)  
MHQ - Hull PO (MA)  
MHQ - Leicester PO (MA) MHQ - Longmeadow PO (MA) MHQ - Lowell PO (MA)  
MHQ- Lynn PO (MA) MHQ - Marlboro PO (MA)  
MHQ - Massachusetts State Police  
MHQ - Newton PO (MA)  
MHQ - Newton PO (MA)  
MHQ - North Attleboro PO (MA)  
MHQ - Pittsfield PO (MA)  
MHQ - Plymouth PO (MA)  
MHQ - Revere PO (MA)  
MHQ - Shrewsbury PO and Fall River PO (MA)  
MHQ - South Portland (ME)  
MHQ - Worcester PO (MA)  
Minnesota State University Moorhead  
Missouri Highway Patrol  
Modesto PO (CA)  
Monterey Park PO (CA)  
Moreno Valley PO (CA)  
Moreno Valley PO (CA)  
Naples PO (UT)  
"National Transportation Research Center, Inc. (TN)"  
NDI Technologies  
New Mexico Emergency Products - NM State Police  
New Orleans PO (LA)  
NICB (UT)  
NMI - Bloomingdale PO (IL)  
Odin Systems - San Pablo PO (CA)  
Odin Systems - San Pablo PO (CA)  
Odin Systems- San Pablo PO (CA)  
Ogden PO (UT)  
Ohio Department of Transportation

# Customer Quicklist – ALPR Solutions

Oklahoma Turnpike Authority	San Leandro PO (CA)
Omaha PO (NE)	San Leandro PO (CA) San Marino
Ontario Police Dept (CA)	PO (CA) Seattle PO (WA)
Oregon City (OR)	Snoqualmie Casino (WA)
Parkeon - Utah Transit Authority	Solotech
Pharr Police Dept (TX)	South Gate PO (CA)
Pittsburg PO (CA)	South Pasadena PO (CA)
Polk County (IA)	Southern Time (NC)
Portland Police Bureau (OR)	Springboro PO (OH)
Post Falls PO (ID)	Springfield PO (MO)
Prime Electric Inc - King County (WA)	St Louis Metro Police (MO)
Priority 1 - Daly City (CA)	St Louis Metro Police (MO)
Priority 1 - San Francisco PO (CA)	St. Louis Police Foundation (MO)
Priority 1 - San Francisco State University (CA)	State of Idaho (Bonneville County Sheriff)
Redondo Beach PO (CA)	State of Idaho (Bonneville County Sheriff)
Riverside County - Cabazon Station (CA)	State of Missouri
Riverside County - Lake Elsinore (CA)	State of Oregon Department of Justice
Riverside County - Southwest Temecula Station (CA)	State of Utah
Rocklin PO (CA)	Sumner County (TN)
Roseville Police Dept (CA)	Town of Southwest Ranches (FL)
Rutherford County (TN)	Tustin PO (CA)
Sahuarita PO (AZ)	U.S. Forest Service - Douglas County (CO)
San Antonio PO (TX)	US Datateam LLC
San Antonio PO (TX)	Utah MVD
San Diego County Sheriff -Imperial Station (CA)	Utica PO (MI)
San Diego County Sheriff - Julian Substation (CA)	Village of Port Chester (NY)
San Gabriel PD (CA)	

# Customer Quicklist – ALPR Solutions

Warren County Sheriff (OH) Washington University - St Louis (MO)

Watson Quality Ford - Madison County Sheriff Office  
(MS)

Webb County Sheriff (TX)

West Covina PD (CA)

West Fargo PD (NO)

Willard PD (UT)

WPCS - Burlington City (NJ)

WPCS - Mount Laurel (NJ)



**PART VIII - PROPOSAL PAGES – COST PROPOSAL**

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

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

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

TOTAL FIRM FIXED FEE (written) **Ninety thousand, two hundred ninety-six dollars and zero cents**

**\$ 90,296.00**

---

Cost for additional years of Maintenance

Year Two: **\$3,800.00** (5 Cars @ \$633.33/car and 1 Car at \$633.35)

Year Three: **\$3,800.00** (5 Cars @ \$633.33/car and 1 Car at \$633.35)

Year Four: **\$3,800.00** (5 Cars @ \$633.33/car and 1 Car at \$633.35)

**GRAND TOTAL FOR SYSTEM AND FOUR YEARS OF MAINTENANCE (WRITTEN) One hundred one thousand, six hundred ninety-six dollars and zero cents**

**\$ 101,696.00**

---





The AutoVu logo is located on the left side of the page. It features a stylized 'A' icon composed of a grey and orange semi-circle, followed by the word "AutoVu" in a bold, orange, sans-serif font.

# AutoVu

IP-Based License Plate Recognition  
for Law Enforcement



Advancements in license plate recognition (LPR) technology have enabled police agencies worldwide to apprehend more wanted suspects and recover more stolen vehicles, all while improving the safety of those on duty. Choosing the right LPR system, though, is vital to ensure a reliable solution to detect suspected vehicles and potential threats.



**Genetec AutoVu** provides officers the most accurate and reliable LPR system in the industry, ensuring that thousands of plates can be read effortlessly during each shift. Available as both **fixed and mobile** camera systems, AutoVu has been engineered, tested, and proven to meet the demands of law enforcement applications.

## AutoVu System Overview

### Hardware

The AutoVu Sharp family of IP-based LPR devices leads the industry in license plate read rates, ensuring an effective solution for police operations. The Sharp and SharpX are designed to provide the most accurate plate reads every shift, more plate reads in bad weather, or at poor angles, and even at high speeds. From vehicle mounted systems to fixed perimeter installations, AutoVu enables organizations to automate license plate identification, and share critical data amongst officers.

#### AutoVu SharpX

- Plate capture across three lanes of traffic
- Up to 5,000 plate captures per minute
- Plate capture up to differential speeds of 200 MPH (320 km/h)
- Smallest high-resolution LPR camera on the market



#### AutoVu Sharp

- Easily portable from vehicle-to-vehicle
- On-board video compression and analytics
- Plate capture up to differential speeds of 140 MPH (225 km/h)
- All-in-one solution with limited wiring required



### Software

**AutoVu Patroller** is the intuitive in-vehicle control interface of the AutoVu system, providing easily accessible features for officers onboard, and allowing them to monitor incoming reads from LPR cameras. With touch-enabled functions, training on the system is easy for operators of all levels of technical experience.

**Security Center** is Genetec's unified security platform that provides real-time monitoring of AutoVu events, alarm management, as well as advanced data-mining and reporting capabilities. As license plate reads and hits are gathered from patrolling units in the field and from fixed AutoVu Sharp units, information is relayed to Security Center operators. In the case of fixed applications, not only can operators monitor the incoming reads from LPR cameras, but can also view live video that is captured from the Sharp camera.

#### AUTOVU PATROLLER ▶

On-board navigation and monitoring interface. LPR information can be sent to Security Center in real-time through live transmission.





AutoVu SharpX Camera



AutoVu Sharp Camera

## 5 Reasons For Choosing AutoVu

### Highest Accuracy Rate in the Industry

Backed by over 15 years' experience in LPR technology development, and the highest plate capture and recognition rates in the industry, police agencies trust AutoVu to identify all license plates within the camera's field of view. By combining state-of-the-art IP-based LPR cameras and advanced software features, AutoVu ensures highly-accurate verification analysis to provide officers with the best possible match of every license plate and to maximize wanted-vehicle identification within databases of vehicles of interest.

### Ease of Use

AutoVu is designed to automate and simplify the verification of license plates against multiple hotlists, increasing the safety of officers on patrol with a non-intrusive application that allows them to focus on other critical tasks, while alerting them, and the backoffice, when threats are detected. To ensure that operators feel at ease with this LPR system, AutoVu provides a user-friendly interface and features, including touch-enabled functions, graphical maps, associated image and time captures on every read.

### Purpose-Built, Real-Time Surveillance

With LPR cameras engineered to meet the demands of fixed and mobile law enforcement operations, and an advanced feature set to support officers on duty, the AutoVu system is an ideal choice for police agencies requiring a field-proven LPR solution. Because AutoVu is IP-based, users get real-time surveillance and identification of plates, while officers can also monitor the live update of LPR information using the Security Center client.

### Deploy as a Standalone or Think Bigger

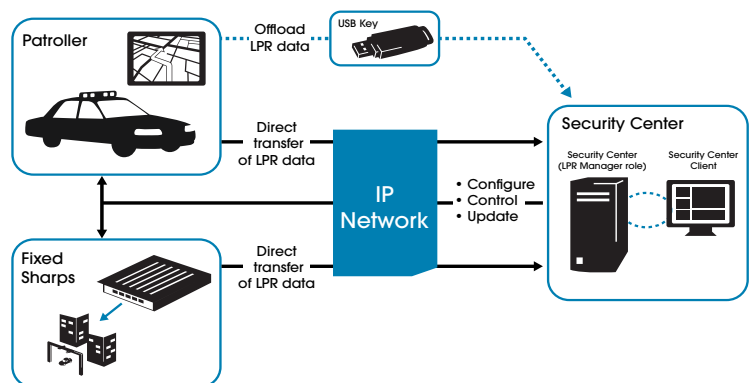
AutoVu can easily be deployed as either a standalone system, or incorporated within a greater security and surveillance environment. Unification with video surveillance and access control systems is made easy within the Security Center platform and its video and access control modules, Omnicast, and Synergis. Through this single application, cities and police agencies can manage and monitor their LPR and video surveillance feeds, generate consolidated reports and centralize their alarm management.

### Advanced Reporting and Data Mining Capabilities

When reviewing plate reads or when receiving new wanted vehicle identifications, officers can easily search for full or partial license plates from their vehicle. Operators can rapidly review each hit corresponding to searches, as well as any associated data, including geographic coordinates.

With Security Center, users can generate a myriad of LPR-related reports that are highly intuitive and provide operators with a great deal of flexibility, allowing them to filter results based on date, time, patrolling unit, hotlist or area, and much more. Daily usage statistics and logon reports can also be queried to retrieve hit and read statistics, route playback data, and inventory information. Through the use of graphical displays, data is visualized and easily understood, as it is overlaid atop of maps pinpointing each read, hit, and vehicle coordinates.

AUTOVU SYSTEM DIAGRAM ▼



# AutoVu License Plate Recognition Key Features

<b>Fuzzy Matching</b>	Due to environmental factors, such as dirt or snow accumulation on license plates, errors sometime occur in a read. The fuzzy matching feature enhances verification within AutoVu to ensure that even if a read is imperfect, operators are still getting the best possible matches of every license plate to the database of vehicles of interest. Fuzzy matching analyzes incomplete license plate reads, containing one or more errors, against a hotlist and alerts the officer in case of any potential matches.
<b>In-Vehicle Mapping</b>	AutoVu is equipped with intuitive graphical features, including in-vehicle mapping, to help ensure accuracy and ensure operators can remain effective while on duty. Accessible from within the vehicle or the backoffice, map displays provide operators an easier method to not only visualize the location of a read but also generates a specific location such as a street address.
<b>Wildcard Hotlists</b>	When only partial license plate numbers are available to identify a suspect vehicle, officers can create a wildcard hotlist database in order to rapidly identify potential hits. Notifications of hotlist hits can be identified with different sounds, colors, and priority assignments than those of definite matches.
<b>Covert Hotlists</b>	Covert hotlists are available to ensure the discretion of an on-going investigation or special operation. When a hit is identified, only the authorized officer at the Security Center station will be notified, while the in-vehicle patroller will not be alerted. This enables enforcement officials to assign multiple objectives to the vehicle and backend systems, while not interrupting the priorities of officers on duty.
<b>Automatic Events and Alarms</b>	Officers can receive automated alarms and events from the AutoVu system when a black-listed, wanted, or stolen vehicle is detected. This allows officials to prioritize and respond to the events deemed most urgent.
<b>Live Data Transmission</b>	The AutoVu system ensures officers are kept up-to-date with the latest information through the live update of LPR reads and hits. Using the Security Center client, officers can remotely monitor one or more Patroller units, fixed Sharp cameras, or specific hotlists in real-time.
<b>Third-Party System Integration</b>	Through its advanced SDK, AutoVu can integrate with other software applications to fit within existing workflows and operational processes.

## Put AutoVu to the test with the new Pilot to Purchase Program!

You can now get hands-on experience with the market's leading LPR technology at no cost. Through Genetec's new pilot program, law enforcement agencies can now receive a free trial of AutoVu to test on their vehicle.

For more details, and to participate in the Pilot to Purchase Program, contact us at [sales@genetec.com](mailto:sales@genetec.com)

### WHAT'S INCLUDED

- A multi-camera LPR system with in-vehicle and back-office software for 60 days\*
- Full installation of software, vehicle equipment, and operator training
- Technical and field support for 60 days

\* Customers must supply their own in-vehicle computer and back-end server.

For full technical specifications see:

- AutoVu SharpX Camera Data Sheet
- AutoVu Sharp Camera Data Sheet



License Plate Recognition | Video Surveillance | Access Control

2280 Alfred-Nobel Blvd., Suite 400, Montreal, QC, Canada H4S 2A4  
T 514.332.4000 F 514.332.1692 | [genetec.com](http://genetec.com) | [info@genetec.com](mailto:info@genetec.com)

EXHIBIT 6  
14-0192  
Page 61 of 66

## Security Center 5.2 System Requirements

In order to determine which configuration is best suited for your application, please refer to the design tables below or contact the Genetec Sales Engineering team at [salesengineering@genetec.com](mailto:salesengineering@genetec.com)

### Security Center Client Station Requirements

---

<b>Low</b>	<ul style="list-style-type: none"> <li>» <b>Intel Core 2 X6800 @ 2.93 GHz</b></li> <li>» <b>2 GB of RAM</b></li> <li>» 80 GB hard drive for OS and Security Center applications</li> <li>» <b>256 MB PCI-Express x16 dual-head video adapter</b></li> <li>» 1280 x 1024 or higher screen resolution</li> <li>» 100/1000 Ethernet Network Interface Card</li> <li>» 16x DVD+/- RW Drive</li> </ul>
<b>Medium</b>	<ul style="list-style-type: none"> <li>» <b>Intel Core i7 870 @ 2.93 GHz</b></li> <li>» <b>8 GB of RAM DDR3</b></li> <li>» <b>80 GB SATA II</b> hard drive for OS and Security Center applications</li> <li>» <b>512 MB PCI-Express x16 dual-head video adapter</b></li> <li>» 1600 x 1200 or higher screen resolution</li> <li>» 100/1000 Ethernet Network Interface Card</li> <li>» 16x DVD+/- RW Drive</li> </ul>
<b>High</b>	<ul style="list-style-type: none"> <li>» <b>Intel Core i7 2600 @ 3.4 GHz</b></li> <li>» <b>8 GB of RAM DDR3</b></li> <li>» <b>80 GB SATA II</b> hard drive for OS and Security Center applications<sup>1</sup></li> <li>» <b>1 GB PCI-Express x16 dual-head video adapter</b></li> <li>» 1600 x 1200 or higher screen resolution</li> <li>» 100/1000 Ethernet Network Interface Card</li> <li>» 16x DVD+/- RW Drive</li> </ul>

---

<sup>1</sup> Solid-state drive (SSD) is recommended for extensive use of the video caching functionality

## Security Center Server Requirements

---

<b>Low</b>	<ul style="list-style-type: none"> <li>» <b>Intel Core 2 Duo E6850 3.0 GHz or better</b></li> <li>» <b>4 GB of RAM or better</b></li> <li>» 80 GB hard drive for OS and Security Center applications</li> <li>» Standard SVGA video card</li> <li>» 1024 x 768 or higher screen resolution</li> <li>» 100/1000 Ethernet Network Interface Card</li> <li>» DVD ROM drive</li> </ul>
<b>Medium</b>	<ul style="list-style-type: none"> <li>» <b>Intel Xeon E5-2403 1.80GHz or better</b></li> <li>» <b>4 GB of RAM or better</b></li> <li>» 80 GB hard drive for OS and Security Center applications</li> <li>» Standard SVGA video card</li> <li>» 1024 x 768 or higher screen resolution</li> <li>» 100/1000 Ethernet Network Interface Card</li> <li>» DVD ROM Drive</li> </ul>
<b>High</b>	<ul style="list-style-type: none"> <li>» <b>Quad Core Intel Xeon E5640 2.66 GHz or better</b></li> <li>» <b>12 GB of RAM or better</b></li> <li>» <b>64 bits operating system</b></li> <li>» <b>80 GB SATA II</b> hard drive or better for OS and Security Center applications</li> <li>» Standard SVGA video card</li> <li>» 1024 x 768 or higher screen resolution</li> <li>» 100/1000 Ethernet Network Interface Card</li> <li>» DVD ROM Drive</li> </ul>

---

## Software Requirements

---

<b>Operating Systems</b>	<ul style="list-style-type: none"> <li>» Microsoft® Windows 8 Pro/Enterprise 32-bit/64-bit<sup>2</sup></li> <li>» Microsoft® Windows 7 Professional SP1 32-bit/64-bit</li> <li>» Microsoft® Windows XP Pro SP3 32-bit/64-bit</li> <li>» Microsoft® Windows Server 2003 Standard Edition SP1/SP2/R2 32-bit/64-bit</li> <li>» Microsoft® Windows Server 2003 Enterprise Edition SP1/SP2/R2 32-bit/64-bit</li> <li>» Microsoft® Windows Server 2008 Standard Edition SP2/R2 32-bit/64-bit</li> <li>» Microsoft® Windows Server 2008 Enterprise Edition SP2/R2 32-bit/64-bit</li> <li>» Microsoft® Windows Server 2012 Standard Edition 32-bit/64-bit<sup>2</sup></li> <li>» Microsoft® Windows Server 2012 Enterprise Edition 32-bit/64-bit<sup>2</sup></li> </ul>
<b>Database Engines</b>	<ul style="list-style-type: none"> <li>» SQL Server 2008 Express/Standard/Enterprise R2</li> <li>» SQL Server 2012 Express/Standard/Enterprise</li> </ul>
<b>Browsers</b>	<ul style="list-style-type: none"> <li>» Internet Explorer 7 / 8 / 9 (for Synergis Web Client and GSC Server Admin)</li> </ul>
<b>Virtualization</b>	<ul style="list-style-type: none"> <li>» VMware ESX / ESXi 4.x, ESXi 5.x</li> </ul>

---

<sup>2</sup> Not supported with AutoVu LPR Manager

## Maximum number of cameras viewed\* per client station type

Resolution	H.264 @ 30 FPS			H.264 @ 5 FPS	
	CIF	VGA	Full HD	3MP	5MP
	352x240	640x480	(1920x1080)	(2048x1536)	(2560x1920)
<b>Bitrate (approximate)</b>	500 kbps	1500 kbps	3500 kbps	2000 kbps	3000 kbps
<b>Low</b>	32	9	4	8	5
<b>Medium</b>	64	48	8	16	11
<b>High</b>	90	60	10	20	13

\*Please note this is an estimate and different camera manufacturer's bitrate may vary with same resolution and frame rate.

## Maximum number of cameras, readers, fixed sharp and patrollers per server type

	Directory and Archiver	Standalone Archiver	Directory and Access Manager	Standalone Access Manager	Directory, Archiver and Access Manager	Directory and LPR Manager	Directory, Archiver and LPR Manager
	(Video only)		(Access Control only)		(Unified)	(AutoVu only)	(Unified)
<b>Low</b>	50 cameras or 50 Mbps	75 cameras or 75 Mbps	100 HID Edge readers or 150 readers on HID V1000/HIDV2000/SMC 10 HIDV1000/SMC 10,000 cardholders	100 HID Edge readers or 150 readers on HID V1000/HIDV2000/SMC 10 HIDV1000/SMC 10,000 cardholders	50 cameras or 50 Mbps of and 64 readers 5 HIDV1000/SMC 5,000 cardholders	20 sharp cameras / patrollers or 20 reads/hits per second	50 cameras or 50 Mbps and 20 sharp cameras / patroller or 10 reads/hits per second
<b>Medium</b>	100 cameras or 150 Mbps	150 cameras or 200 Mbps	150 HID Edge readers or 250 readers on HID V1000/HIDV2000/SMC 20 HIDV1000/SMC 40,000 cardholders	150 HID Edge readers or 250 readers on HID V1000/HIDV2000/SMC 20 HIDV1000/SMC 40,000 cardholders	50 cameras or 100 Mbps and 100 readers 10 HIDV1000/SMC 20,000 cardholders	70 sharp cameras / patrollers or 70 reads/hits per second	50 cameras or 100 Mbps and 70 sharp cameras / patroller or 40 reads/hits per second
<b>High</b>	100 cameras or 200 Mbps	300 cameras or 300 Mbps	210 HID Edge readers or 425 readers on HID V1000/HIDV2000/SMC 40 HIDV1000/SMC Unrestricted cardholders	210 HID Edge readers or 425 readers on HID V1000/HIDV2000/SMC 40 HIDV1000/SMC Unrestricted cardholders	100 cameras or 200 Mbps and 200 readers 20 HIDV1000/SMC 40,000 cardholders	140 sharp cameras / patrollers or 140 reads/hits per second	100 cameras or 200 Mbps and 140 sharp cameras / patroller or 80 reads/hits per second

## Additional considerations for server specifications

- » When video streaming is not in multicast from the camera, the maximum throughput calculation must include camera streams being redirected by the Archiver
- » Unit based motion detection must be used to achieve maximum capacity
- » Software based motion detection could reduce the maximum capacity by as much as 50%
- » Watermarking could reduce the maximum capacity by as much as 20%
- » Systems above 300 cameras or doors must isolate the Directory on a dedicated server
- » A more powerful server than the high end specification will not necessarily increase the maximum capacity
- » Maximum capacity of a virtual machine with the exact same specifications as the proposed "metal box" is reduced by 20%
- » A dedicated Network Interface Card (NIC) should be assigned per instance of the Archiver Role when using virtualization
- » Virtual machine must run on Windows Server 2008 R2 and VMware Ready hardware
- » Windows 2003/2008 Server running a Domain Controller is not supported



# LIMITED WARRANTY STATEMENT

## WIRELESS BROADBAND & VIDEO SURVEILLANCE PRODUCT PORTFOLIO

**Federal Signal Corporation (FSC)** warrants each new product to be free from defects in material and workmanship, under normal use and service, for a period of one year on parts replacement and factory-performed labor from the date of system acceptance to the first user-purchaser.

During this warranty period, the obligation of Federal is limited to repairing or replacing, as Federal may elect, any part or parts of such product which after examination by Federal discloses to be defective in material and/or workmanship.

Federal will provide warranty for any unit which is delivered, transported prepaid, to the Federal factory or designated authorized warranty service center for examination and such examination reveals a defect in material and/or workmanship.

This warranty does not cover travel expenses, the cost of specialized equipment for gaining access to the product, or labor charges for removal and re-installation of the product. The Federal Signal Corporation warranty shall not apply to components or accessories that have a separate warranty by the original manufacturer, such as, but not limited to, batteries.

Federal will provide on-site warranty service during the first 60-days after the completion of the installation, when Federal has provided a turn-key installation including optimization and/or commissioning services.

This warranty does not extend to any unit which has been subjected to abuse, misuse, improper installation or which has been inadequately maintained, nor to units which have problems related to service or modification at any facility other than Federal factory or authorized warranty service centers. Moreover, Federal shall have no liability with respect to defects arising in Products through any cause other than ordinary use (such as, for example, accident, fire, lightning, water damage, or other remaining acts of god).

THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL FEDERAL BE LIABLE FOR ANY LOSS OF PROFITS OR ANY INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY SUCH DEFECT IN MATERIAL WORKMANSHIP.

O  
U  
R  
M  
I  
S  
S  
I  
O  
N

We **serve** organizations that rely on critical communication solutions to connect and inform their employees, partners, customers, and stakeholders during emergency and routine operations.

We **listen** to customers and imagine ways to help them address emerging needs.

We **create** innovative solutions drawing upon the knowledge and talent of our employees, a rich portfolio of products and services, and our ability to blend these effectively with the most useful technologies, products and organizations found outside our walls.

We **deliver** consistent, profitable growth, enhanced earnings and cash flow for our stakeholders.



**FEDERAL SIGNAL**  
Safety and Security Systems

*Advancing security and well-being.*

2645 Federal Signal Drive  
University Park, Illinois 60484-0975  
800.548.7229

[alexnotification.com](http://alexnotification.com)

14-0192

Page 66 of 66