

BLU[™]LINE

SOLUTIONS

In Response:
City of Knoxville
Automated Traffic Camera Enforcement

RFP: RFP24TrafficCamera-pmo
Submitted On: December 11, 2024

Supplier Proposal Compliance:

Blue Line Solutions certifies that: (I) the proposal is accurate and complete; (II) the proposal is prepared in accordance with the solicitation requirements, and includes all information, content, responses, and appendices requested and, (III) that all required communication, format and submission instructions have been followed. BLS is qualified legally to Contract within the State of Tennessee and the City of Knoxville.

This Proposal is Valid for 120 Days.



CONTACT INFORMATION

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Founder & CEO

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VP of Sales

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267-671-2613

This RFP response is a public record pursuant to Tennessee law, which is subject to disclosure by the City of Knoxville under the State of Tennessee Records Law. The City shall permit public access to all documents, papers, letters, or other material submitted in connection with this RFP and the Contract to be executed for this RFP, subject to the provisions of the Tennessee Statutes.

Upon award, this contract and any subsequent contract renewals will conform to any changes in state law in accordance with T.C.A. § 55-8-198(n).

Blue Line Solutions does not take any exceptions to this RFP.

TABLE OF CONTENTS

Table of Contents.....	2
Form S-1	4
Submission Affidavits and Certifications.....	5
Exceptions to Terms & Conditions.....	8
Automated Camera Traffic Enforcement Proposal Matrix.....	9
Body of Proposal	15
Letter of Interest	15
Scope of services: Understanding Knoxville's Needs (RFP Section III).....	17
1. Maintenance [RFP Section III – 1]	19
2. Operations [RFP III – 2]	22
3. Customer Service [RFP III – 3].....	23
4. Collections	28
5. Court Hearing Process	32
6. Office and Operating Location.....	35
7. Record Keeping	37
8. Installation of Equipment [RFP III -8].....	40
9. Citation Processing [RFP III -9]	47
10. Statistical Analysis and Reporting System	56
11. Training Support [RFP III – 11]	59
12. Purchasing of Equipment [RFP III – 12]	60
13. Automated Traffic Signal Camera Enforcement.....	60
14. Automated School Zone Speed Enforcement Program [RFP III – 13]	66
15. Automated Noise Enforcement Program [RFP III – 14].....	68
16. Camera System Requirements [RFP section 13]	71

16.1 Red light running camera photos	72
16.2 Automated Speed Enforcement Camera Examples	73
17. Project approach [RFP IV].....	78
17.1 Project Approach Overview [RFP IV].....	78
17.2 Qualifications & Experience of BLS [RFP IV].....	99
17.3 Highlights and Testimonials [RFP IV]	100
17.4 References.....	101
17.5 Qualifications & Experience of Key BLS Personnel [RFP IV]	107
17.6 BLS' Pricing/Cost [RFP IV]	109
17.7 BLS' Financial History [RFP IV].....	109
Appendix A - BLS in the Press.....	111
appendix 2: BLS Diversity Partner Memo of Understanding.....	112
Addendum 2 – BUSINESS LICENSE [RFP VI].....	121
Addendum 3 – cERTIFICATE OF LIABILITY INSURANCE [RFP VII].....	122
Addendum 4 – W9 Tax Document.....	124
Conclusion.....	125

**City of Knoxville
Request For Proposal**

Automated Traffic Camera Enforcement

Submission Form S-1: Solicitation #RFP24TrafficCamera-pmo

Proposals must be received by October 29, 2024 at 11:00:00 a.m. Eastern Time
City of Knoxville Purchasing Department
City/County Building
Suite 667-674
400 Main Street
Knoxville, TN 37902

IMPORTANT: All submissions of proposals shall comply with the instructions found in Section 7, Instructions to Submitting Entities. These instructions ensure that (1) submissions contain the information and documents required by the City's RFP and (2) the submissions have a degree of uniformity to facilitate evaluation; **do not email your submission.**

Please complete the following:

Legal Name of Proposer: Blue Line Solutions, LLC

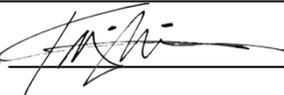
Address: 4409 Oakwood Drive Chattanooga, TN 37416

Telephone Number: 833.469.6630 / 938.207.9197

Contact Person: Jonmichael "JM" Mullins

Email Address: jnullins@bluelinesolutions.org

DUNS #: 078711789

Signature: 

Name and Title of Signer: Jonmichael Mullins - Director of Bids and Proposals

Note: Failure to use these response sheets may disqualify your submission.

SUBMISSION AFFIDAVITS AND CERTIFICATIONS

Submission Affidavits and Certifications

We Blue Line Solutions, LLC
(Bidder/Proposer Company Name)

do certify that on the
Automated Traffic Camera Enforcement
(Solicitation Title/Project Name)

we are in receipt of the following checked items and do hereby certify or affirm as follows:

SUBCONTRACTOR/CONSULTANT STATEMENT

Please select one:

Option A: Intent to subcontract using Diverse Businesses

A Diversity business will be employed as subcontractor(s), vendor(s), supplier(s), or professional service(s). The estimated percentage of the amount that we plan to pay is:

25 %

Total Estimated Percentage of Subcontractor Service:

Diversity Business Enterprise Utilization (See Section 7.5 for Classifications)			
Description of Work/Project	Percentage	Diverse Classification (MBE, WBE, SBE, SDVBE, PDBE)	Name of Diverse Business
Installation & Construction	15	Woman Owned-Small Business	English Mtn Construction
Installation & Construction	5	Small Business/Hispanic	Blount Contractors
Service	5	Minority Owned/Hispanic	DLZ National, Inc.

Option B: Intent to perform work "without" using Diverse Businesses

We hereby certify that it is our intent to perform 100% of the work required for the contract, work will be completed without subcontracting, or we plan to subcontract with non-diverse companies.

Option C: Intent to self-perform work as a Diversity Business Enterprise

We intend to self-perform 100% of the work required for the contract as a Diversity Business Enterprise.

Blue Line Solutions referred to the list of businesses provided by the city to contact three Knoxville, locally owned businesses and discussed the project with them. We then obtained Memorandums of Understanding to solidify our intent to contract with them upon award of the project.

NON-COLLUSION AFFIDAVIT

- (1) Submitted proposal is genuine and is not a collusive or sham proposal;
- (2) Neither the said firm nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this signatory, has in any way colluded, conspired, connived or agreed, directly or indirectly, with any other vendor, firm or person to submit collusive or sham proposal in connection with the contract or agreement for which the attached proposal has been submitted or to refrain from making a proposal in connection with such contract or agreement, or collusion or communication or conference with any other firm, or, to fix any overhead, profit, or cost element of the proposed price or the proposed price of any other firm, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against the City of Knoxville or any person interested in the proposed contract or agreement; and
- (3) The scope of service outlined in the proposal is fair and proper and is not tainted by collusion, conspiracy, connivance, or unlawful agreement on the part of the firm or any of its agents, representatives, owners, employees, or parties including this signatory.

NO CONTACT/NO ADVOCACY AFFIDAVIT

1. **NO CONTACT POLICY:** After the posting of this solicitation to the Purchasing Division's website, any contact initiated by any proposer with any City of Knoxville representative concerning this proposal is strictly prohibited, unless such contact is made with the Purchasing Agent (Penny Owens) or the listed point of contact. Any unauthorized contact may cause the disqualification of the proposer from this procurement transaction
2. **NO ADVOCATING POLICY:** To ensure the integrity of the review and evaluation process, companies and/or individuals submitting proposals for any part of this project, as well as those persons and/or companies representing such proposers, may not lobby or advocate to the City of Knoxville staff including, but not limited to, members of City Council, Office of the Mayor, Police Dept Department/Office, or any other City staff.

Any company and/or individual who does not comply with the above stated "No Contact" and "No advocating" policies may be subject to having their proposal rejected from consideration.

DRUG-FREE WORKPLACE AFFIDAVIT

Bidder has personal knowledge of the policies of the above-named firm with respect to the maintenance of a drug-free workplace; and certifies that all provisions and requirements of the Tennessee Drug-Free Workplace Program, as established by Tenn. Code Ann. §§ 50-9-101 et. seq., have been met and implemented.

CHILD CRIME AFFIDAVIT

The proposer agrees not to allow any employee or volunteer who is awaiting trial or has been convicted of a felony crime involving the sexual exploitation of children, sexual offenses involving children or violent crimes to participate in this Agreement at sites where children may be present. Failure by the proposer to comply with this requirement is grounds for immediate termination of the Agreement.

IRAN DIVESTMENT ACT

CERTIFICATION OF NONINCLUSION

NOTICE: Pursuant to the Iran Divestment Act, Tenn. Code Ann. § 12-12-106 requires the State of Tennessee Chief Procurement Officer to publish, using creditable information freely available to the public, a list of persons it determines engage in investment activities in Iran, as described in § 12-12-105. Inclusion on this list makes a person ineligible to contract with the state of Tennessee; if a person ceases its engagement in investment activities in Iran, it may be removed from the list. A list of entities ineligible to contract in the State of Tennessee Department of General Services or any political subdivision of the State may be found here:

https://www.tn.gov/content/dam/tn/generalservices/documents/cpo/library/public-information-library/List_of_persons_pursuant_to_Tenn_Code_Ann_12-12-106_Iran_Divestment_Act_updated_with%20NY12.04.23.pdf

By submission of this form, the proposer certifies that the above-named firm, under penalty of perjury to the best of its knowledge and belief, and any proposed suppliers are not on the list created pursuant to § 12-12-106.

NON-BOYCOTT OF ISRAEL

For submissions with a total cost of \$250,000 or greater, the Signatory certifies that the proposed firm and any subcontractors or suppliers certify that the firms, subcontractors and suppliers are not boycotting Israel pursuant to Tenn. Code Ann. §12-4-1 and will not during the term of any award.

Notarization of Affidavits

In order for a submission to be considered for award, the following section must be notarized hereby certifying or affirming that the Bidder/Proposer is in receipt and has acknowledged each clause in the [Submission Affidavits and Certifications](#) section above. At the discretion of the City of Knoxville Purchasing Division, a submission that has not been notarized may be deemed non-responsive.

State of Alabama County of Madison

Proposer's Name: Jonmichael Mullins

Being duly sworn, deposes, and says that:

They are a principal officer of Blue Line Solutions, LLC, the firm submitting the attached proposal, their title being Director of Bids and Proposals, and has authority to affirm and/or certify the listed declarations.


Signature

Director of Bids and Proposals
Title

Subscribed and sworn to before me this 21st day of October, 2024.


NOTARY PUBLIC

8/11/2028
My Commission expires



EXCEPTIONS TO TERMS & CONDITIONS

Exceptions to Terms and Conditions

Applicants shall be presumed to be in agreement with the terms and conditions of the RFP unless the Applicant takes specific exception to one or more of the conditions on this form. RESPONDERS ARE CAUTIONED THAT BY TAKING ANY EXCEPTION THEY MAY BE MATERIALLY DEVIATING FROM THE RFP SPECIFICATIONS. IF A RESPONDER MATERIALLY DEVIATES FROM A RFP SPECIFICATION, ITS PROPOSAL MAY BE REJECTED.

A material deviation is an exception to a specification which 1) affords the Responder taking the exception a competitive advantage over other Responders, or 2) gives the City something significantly different than the City requested.

INSTRUCTIONS: Responders must explicitly list all exceptions to City terms and conditions. Reference the actual number of the City's term and condition and page number for which an exception(s) is being taken. If no exceptions exist, state "NONE" specifically on the form below. Whether or not exceptions are taken, the Responder must sign and date this form and submit it as part of their Proposal. (Add additional pages if necessary.)

Responder Name: Blue Line Solutions, LLC		
Term & Condition	Number/Provision	Explanation of Exception
N/A		

By signing this form, I acknowledge that the above named Responder accepts, without qualification, all terms and conditions stated in this RFP except those clearly outlined as exceptions above.


Signature

Director of Bids and Proposals
Title

Title

10/24/2024
Date

Date

AUTOMATED CAMERA TRAFFIC ENFORCEMENT PROPOSAL MATRIX

City of Knoxville - Automated Camera Traffic Enforcement Proposal Matrix

(Enter "X" in the column that applies)

Contractor Responsibilities		Meets the RFP Requirement or Yes	Does Not Meet the RFP Requirement or No	Alternate/ Option or Modification Offered
Maintenance				
1a	Will repair or replace equipment within 48 hours?	X		
1b	Will review the operation of all cameras and equipment weekly	X		
1b	Provide routine preventative maintenance and cleaning	X		
1c	Provide maintenance logs	X		
1d	Offer upgrades after 3 years	X		
1e	Remote configuration	X		
1f	Warranty and maintain throughout the duration of the contract	X		
1g	Provide all electrical/digital connections and power at no cost to the City	X		
Operations				
2	Office and operational department(s) fully staffed and operational 60 days after contract executed	X		
2	City may review references and background information of employees and may request replacement of any employee	X		
Customer Service				
3	Contractor will respond to public inquiries regarding the program, citations, enforcement, or any related citizen concern	X		
3	Contractor will cooperate with the City to provide information needed to inform the public about the program	X		
3	Contractor will pay for and coordinate media relations with the City	X		
3a	Contractor will post signage at each location where camera systems operate and key roadways entering the City limits	X		
3a	Contractor will install and maintain required signage	X		
3b	Contractor will obtain approval from City staff on signage installation	X		
3b	Rear of signage will indicate Contractor ownership	X		
3c	Contractor will include informational pamphlets / brochures with each mailed citation at no cost to the City	X		
3d	Contractor will assist the City with the content and design of public education materials to be funded by the City and	X		
3e	Contractor will provide training on how to present public sessions on use of the system to City Court, KPD, and other City staff	X		
3f	If available, Contractor will provide PSA spots for radio, television, and print publications.	X		

City of Knoxville - Automated Camera Traffic Enforcement Proposal Matrix

3g	Contractor will provide samples of education materials to the City, for use in development.	X		
		Meets the RFP Requirement or	Does Not Meet the RFP Requirement or	Alternate/ Option or Modification Offered
		Yes	No	
Collections				
4	Contract will collect payments on civil citations	X		
4a	Payment options should include check, money order, or credit card, either in person, via telephone or via the Internet.	X		
4b	Contractor will directly deposit all monies into an account specific to the City of Knoxville.	X		
4b	Contractor will develop City approved fine collection procedures in accordance with the City's financial accountability and Customer Service Guidelines.	X		
4c	Contractor will keep records in accordance with generally accepted accounting practices.	X		
4d	Contractor will establish a relationship with a collection agency to pursue unpaid citations. Contract may be required to bring civil suit for unpaid citations and provide a technical expert to testify in court regarding the operation of the cameras and the Program in general.	X		
4e	Contractor will prepare and mail notice letters for all chargeable violations. Contractor will issue a second notice that remain unpaid. If Contractor receives a returned mail notice, the Contractor shall resend to the notice to the corrected mailing address, if discoverable or provided by the post office.	X		
4f	After expiration of the second notice due date, Contractor shall pursue collections on unpaid notices, subject to the limitation of State law.	X		
4g	Where vehicle registration is available, violations shall be issued within 7 business days of the violation event date.	X		
4h	Contractor and any associated collection agency will fully comply with the Fair Debt Collection Practices Act, 15 U.S.C. 1692, et seq., and any other applicable state or federal law.	X		
4i	Knoxville Municipal Court employees will have access to the Contractor's software for acceptance of cash payments.	X		

		Meets the RFP Requirement or	Does Not Meet the RFP Requirement or	Alternate/ Option or Modification Offered
		Yes	No	
Court Hearing Process				
5	Contractor will utilize the existing City Court procedures to coordinate requested hearings on citations.	X		
5a	Contractor shall provide hearing scheduling service for people who dispute notices. (Currently, hearings are held on the first Wednesday of each month.) This includes accepting and services call center services during normal business hours.	X		

City of Knoxville - Automated Camera Traffic Enforcement Proposal Matrix

5b	Contractor will provide the package for each hearing to include A) all issued and disputed notices to the party; and B) a correspondence file	X		
5c	Contractor will maintain proper chain of evidence meeting the needs of the City and Court function for each occurrence.	X		
5d	Contractor will provide the package for each hearing to include A) all issued and disputed notices to the party; and B) a correspondence file	X		
5e	Contractor will provide, when required for Court testimony, a qualified expert witness knowledgeable on the theory, operation, and functional capabilities of the relevant camera unit.	X		

Meets the RFP Requirement or Yes	Does Not Meet the RFP Requirement or No	Alternate/ Option or Modification Offered
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Office and Operating Location

6	Contractor will establish, if not already existing, a suitable, centrally located customer service office in the City of Knoxville, open during normal business hours to allow citizens to pay fines and penalties and to request a court hearing on citations.	X		
6	Contract will staff the local office appropriately to provide customer service.	X		
6a	Contractor will maintain an adequate number of service and maintenance staff to service the cameras and be readily available to the City of Knoxville, with a preference for the staff to be positioned locally.	X		
6b	Image processing, issuance of citations, computer processing, financial reporting, and overall management of the program may be performed remotely provided the Contractor remains highly responsive to the needs of the program.	X		

Meets the RFP Requirement or Yes	Does Not Meet the RFP Requirement or No	Alternate/ Option or Modification Offered
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Record Keeping

7a	Contractor shall keep true and accurate records of revenue and expenses, recording a clear distinction between the type of fees collected. Contractor will either allow representatives of the City access to the Contractor's system to obtain the information or provide copies of the information to the City no less than monthly and upon request, in a format specified by the City. At termination of the Contract, the Contractor shall provide the City a final report of all revenue and expense records as well as a list of all outstanding citations and payments due.	X		
7b	Contractor shall store information and data collected in a database with capability to track citations and produce statistical reports as needed.	X		
7b	The Contractor may be requested to maintain other non-financial information as it relates to the Program and as mutually agreed upon. Such information may include, but not limited to, traffic count of violations per intersection, number of events captured, citations issued, rear license plate vehicles, false alerts, etc.	X		
7c	All citation images must be stored for at least a one (1) year period (longer for citations still in litigation) in an accessible electronic format and shall be accessible, on request, by authorized City representatives.	X		

City of Knoxville - Automated Camera Traffic Enforcement Proposal Matrix

7d	Description of raw images and image retention schedule will be included in proposal.	X		
	Contractor will provide the City with online storage of all images and data for a period of one (1) month after disposition and off line / accessible storage of images and data for at least one (1) year thereafter (longer for citations still in litigation).	X		
7e	Contractor will provide the retrieval of archived information within 3 business days of a request for retrieval.	X		
7f	Contractor will provide all required notice processing supplies including paper, envelopes, postage, toner, and any and all notice printing supplies.	X		
7g	Contractor shall be responsible for processing of images.	X		
7h				
7i	Contractor shall include one set of images and a license plate image on each citation issued.	X		
7j	Contractor shall provide a secure website where an authorized City representative can access: enforceable violation events that are pre-reviewed and submitted for final approval (charging) by the City	X		
7j(i)	Violation image and history data for any open violation	X		
7j(ii)	Designated reports as defined in the contract	X		
7j(iii)	The hearing schedule and evidence package view and print function	X		
7j(iv)				

Installation of Equipment

		Meets the RFP Requirement or Yes	Does Not Meet the RFP Requirement or No	Alternate/ Option or Modification Offered
8a	System includes monitoring, stand-alone power, wiring and support equipment	X		
8b	System is expandable	X		
8b	System allows temporary or permanent relocation	X		
8c	Capacity to meet approved engineering standards	X		
8d	Contractor will provide electrical service	X		

Citation Processing

		Meets the RFP Requirement or Yes	Does Not Meet the RFP Requirement or No	Alternate/ Option or Modification Offered
9a	Ability to capture and store images	X		
9a	Ability to establish a chain of custody for the image	X		
9a	Ability to process and mail citations	X		
9b	Capability to generate clear, easily identifiable images	X		
9c	System will include software platform to process, mail and track citations	X		
	Ability to connect with the Tennessee Dept. of Motor Vehicles and other states to obtain motor vehicle registration information. If not, include plan for obtaining registration details for citation	X		
9d	Citations will be issued in 7 days or less from date of violation	X		
9e				
9f	Warnings will be mailed in lieu of citation during first 30 days of operation for new approaches	X		

City of Knoxville - Automated Camera Traffic Enforcement Proposal Matrix

9g	Provide capability for KPD sworn officer to review each occurrence and verify occurrence of violation	X		
9h	Include detail on process of violation data and image set transfer to include why it can be considered a secure chain of evidence	X		
		Meets the RFP Requirement or Yes	Does Not Meet the RFP Requirement or No	Alternate/ Option or Modification Offered
Statistical Analysis and Reporting System				
10a	Prefer system with capacity to produce statistical analysis of camera operations will be preferred, including at minimum, hours of use per camera by operational site, results achieved by each camera by site, offenses recorded by site, equipment malfunctions, status of notices issued (outstanding, cancelled, reissued, etc.), real time traffic volume and vehicle counts, real time violation information by individual lane by time of day and day of week.	X		
10b	Preference will be given to systems which can analyze results obtained from each camera location to show the prosecutable image rate.	X		
10c	Contractor will provide City with a monthly activity report within ten (10) days following the end of the month.	X		
10d(i)	Monthly report will include the number of events detected, citations issued and prosecutable image rate by location and in total	X		
10d(ii)	The total number and percentage of rejected images by reason	X		
10d(iii)	Monthly financial reports detailing monies collected by citation number	X		
10e	Contractor shall be able to provide an audit trail of all voided and discarded images	X		
		Meets the RFP Requirement or Yes	Does Not Meet the RFP Requirement or No	Alternate/ Option or Modification Offered
Training Support				
11a	The Contractor shall offer ongoing training support for their product subject to mutual agreement. Hands-on training will be provided for the initial training. The City will determine the class size based on the number of staff who need training. Additional training would be available at a cost to the City of Knoxville and the pricing section should provide this cost.	X		
11b		X		
11c	Contractor will furnish all training materials and manuals and will provide, as needed, additional manuals / electronic access for City staff hired during the term of the contract at no additional cost.	X		
		Meets the RFP Requirement or Yes	Does Not Meet the RFP Requirement or No	Alternate/ Option or Modification Offered
Purchase of Equipment				
12	Digital imaging system with full motion video	X		
12a	Modular system for easy installation and maintenance	X		

City of Knoxville - Automated Camera Traffic Enforcement Proposal Matrix

12b	Contractor will provide and install all equipment including but not limited to poles, cabinets, cameras, and related equipment at each location.	X		
12c	Detection equipment requires cutting or embedding into road surface? (Yes or No)	X		

		Meets the RFP Requirement or Yes	Does Not Meet the RFP Requirement or No	Alternate/ Option or Modification Offered
Camera System Requirements				
13a	Red light camera system shall be capable of detecting red light violations and photographing an incident twice, once prior to the violation while the facing signal is red and again after the vehicle has fully crossed the violation line.	X		
13b	School zone cameras shall be capable of detecting and recording the speed violations and photographing an image of the car and the license plate.	X		
13c	Noise detection cameras shall be capable of both recording the noise decibel emitted by the vehicle and capturing an image of the vehicle and license plate.	X		
13d	Use of a high-quality digital camera system is required. Contractor must detail the image quality specifications and provide real sets of violation image examples captured in day time, night time, and during inclement weather and during times where sunlight is pointing in the direction of the camera. Systems should use a combination of high resolution still images with an output, at least, in excess of 3000 x 2000 pixels per frame/image and full motion digital video technologies.	X		
13e	The equipment should be capable of maintaining traffic data for statistical analysis.	X		
13f	The equipment should be capable of deployment in a wide range of operating conditions (heavy traffic volumes, adverse weather conditions, road surface configuration) and across all moving lanes of traffic.	X		
13g	In order to minimize operator error, cameras should be automated as much as possible with regard to set up (aperture settings, focusing, and leveling).	X		
13h	Traffic enforcement cameras must be tamperproof.	X		
	Traffic enforcement camera enclosures must be designed in such a fashion that maintenance, and other operations can be accomplished easily and quickly without creating a public safety hazard.			
13i	Explain typical maintenance procedures in your proposal.	X		
13j	Remote accessibility of images and data is required. Explain security and access methods.	X		
13k	The camera unit must produce an image which contains the following:	X		
13k(i)	Scene of location where violation occurred.	X		
13k(ii)	Motor vehicle during violation	X		
13k(iii)	Display of rear license plate of vehicle	X		
13k4(iv)	Plate must be readable from the main image	X		
13k(v)	The day, month, and year of the violation	X		
13k(vi)	The time of the violation in hours, minutes, and seconds	X		
13k(vii)	Signal cameras - the amount of time that has passed since the light turned red	X		
13k(viii)	Signal cameras - duration of yellow light	X		
13k(ix)	Signal cameras - full motion video capturing incidents from at least a point two seconds before a traffic light changes from yellow to red, and preferable from green to yellow	X		
13k(x)	The speed of the vehicle during the violation	X		
13k(xi)	Noise cameras – the decibel of sound emitted by the vehicle	X		

City of Knoxville - Automated Camera Traffic Enforcement Proposal Matrix

13k(xii)	Location of violation	X		
13k(xiii)	Frame sequence number	X		
13k(xiv)	Imprint all the information along the bottom edge of the frame but shall not obstruct the violation image	X		
13k(xv)	Color images are preferred	X		
13k(xvi)	Systems that can reduce the effects of license plate covers are preferred	X		
13l	Contractor shall detail any quality standards (either national or international) with which their equipment complies. Standards should be related to any relevant U.S. standards which may have been promulgated.	X		
13m	Provide examples of prosecutable image rates from the camera systems proposed to the city.	X		
13n	Indicate the ability to upload images from violations to the Axon platform Evidence.com.	X		
13o	Indicate the ability to integrate image data with Flock camera systems.	X		

BODY OF PROPOSAL

LETTER OF INTEREST

Attn: Penny Owens: City of Knoxville Purchasing Department
2750 Dixwell Ave Knoxville TN, 06518
Re: Automated Traffic Enforcement Safety Device Program
RFP: RFP24TrafficCamera-pmo

Penny Owens
Purchasing Agent
City of Knoxville
400 Main St. SW #667
Knoxville, TN. 37902

Dear Penny Owens and the City of Knoxville,

On behalf of Blue Line Solutions, LLC (BLS), I would like to thank the City of Knoxville for the opportunity to submit a proposal for this bid solicitation. Headquartered in Chattanooga, TN, BLS is a traffic safety company providing technology to jurisdictions throughout the United States with tools and programs designed to reduce speeding incidents and red light running, ultimately saving lives and reducing injuries on our roadways.

As a former Chief Deputy in East Tennessee and Law Enforcement Administrator for the TN Governor's Highway Safety Office, I have worked with the City of Knoxville in highway safety programs with the mission of reducing crashes, injuries, and fatalities on the roadways. I founded BLS in 2010 in Athens Tennessee, to continue and expand my highway safety mission and I have been successful in enlarging our footprint throughout the nation. Since moving the headquarters to Chattanooga in 2017, we've expanded our traffic safety technology by adding automated devices for red light and noise enforcement.

Our headquarters is located in Chattanooga, within two hours of Knoxville where we house our citation processing department, service technicians, (CNOC) Computer Network Operation Center engineers, software developers, and permitting managers. These resources allow BLS to provide the highest level of localized customer service to the city and violators who receive citations from the automated camera enforcement program. Our experience with satellite offices in Hollywood, FL, Girard, OH, and Shreveport, LA, allows us to commit with confidence to open an office in Knoxville in 2025 which will further enhance our already fast and reliable service for the city.

The difference between BLS and other automated enforcement companies is simple: our mission. BLS focuses on reducing the number of speeders and red-light violators which increases the safety of your community. We strive to reduce the number of citations, by changing driver behavior which makes the community safer. Changing driver behavior isn't achieved through just enforcement but rather a combination of public information & education (PI&E), program result community transparency, and enforcement, mirroring the model combining these elements created by the National Highway Safety Administration (NHTSA) for "Click It or Ticket" (CIOT).

We honor CIOT's nationally successful safety communications model to achieve public awareness *before* enforcement - changing driver behavior and compliance through multi-faceted communications. ***Our results have been staggering, we have achieved a national reduction***

rate of speeding through school zones by 95% as recognized by organizations such as the Governor's Highway Safety Association (GHSA). These results have been obtained in cities, counties, townships, and villages throughout the US of all sizes, demographics, and makeups including Mt. Pleasant, TN; Soddy Daisy, TN; Savannah, GA; Hollywood, FL; Youngstown, OH; Shreveport, LA; and Buffalo, IA.

Our proposal will stand out because of our industry-leading technologies, notably our American-made Light Detection and Ranging (LiDAR) speed detection devices, compatibility with various ALPR systems and vendors, and our **dedicated Tennessee-based team**. Our red-light detection technology uses computer vision and AI, eliminating the need to connect to the red-light signal controller, and making installation and service much more seamless than legacy technologies. Our partnership with Intelligent Instruments allows us to provide noise ordinance enforcement with a team of technicians and locally based violation processing. **Our history of innovation in implementing Turnkey LiDAR-only detection systems distinguishes us in an industry where competitors often rely on outdated radar technology.** Our LiDAR's accuracy, particularly compared to radar, is recognized as the **gold standard**, providing clear and understandable evidence for both enforcement and judicial review.

Blue Line Solutions is the original provider of high-definition, single-lane video enforcement, a significant advancement over traditional still photo methods. This technology captures a multitude of images and videos for each vehicle, enhancing the identification of violators even in challenging conditions, leading to an increase in captured violations and reduced contested citations in court.

Our capability to integrate seamlessly with any ALPR system, including those specified in the RFP, sets us apart. This integration, proven through existing collaborations, underpins our promise of a comprehensive solution to the City of Knoxville. We also offer extended storage of all photo and video data, facilitating legal proceedings, and providing an intuitive software interface praised by our clients for its user-friendliness. Our local Tennessee team, experienced in navigating the state's legislative and regulatory landscape, ensures a swift and efficient program rollout. **Our proactive engagement with local law enforcement, coupled with our established Tennessee presence and expertise, positions Blue Line as the preferred partner for the City of Knoxville.**

BLS acknowledges, takes no exception, and will comply with all terms and conditions outlined in **RFP: RFP24TrafficCamera-pmo**. Further, BLS agrees that if awarded, the contract and any subsequent contract renewals will conform to any changes in the state law in accordance with T.C.A. §55-8-198(n)

Our achievements nationally highlight our expertise and commitment to your community and our readiness to achieve the traffic safety goals set by the City of Knoxville. At BLS, we share the City of Knoxville's vision to enhance the safety of school zones and intersections through our innovative, violator-funded traffic safety programs. As an industry leader in automated enforcement, we take pride in our commitment to technology, innovation, and safety over profits.

Sincerely,



Mark Hutchison
Founder & CEO



SCOPE OF SERVICES: UNDERSTANDING KNOXVILLE'S NEEDS (RFP SECTION III)

The City of Knoxville is seeking an Automated Traffic Enforcement Safety Device (ATESD) Program as announced in **RFP24TrafficCamera-pmo**. As illustrated throughout this proposal, BLS is highly qualified to provide the City of Knoxville with a successful program.

In addition to the services outlined in our proposal, BLS will provide the following services from the Scope of Services section of the RFP:

- Conduct five (5) day speed studies for each school zone to determine the number and percentage of speeding vehicles that are traveling through the school zones with a more accurate and robust understanding of the community's true driving habits. The analysis of the data allows the city to determine the speeding problems, the level of speeding issues, and where and how best to allocate resources and technology to solve the issues.
- All equipment, site plan development and infrastructure permit applications through Traffic Engineering PE certifications. BLS will work with the City of Knoxville Transportation Engineering and any other required department to complete construction management and equipment installation.
- As a strategic NLETS partner, BLS processing agents will run vehicle registrations of all violations and make available those violations for officer approval through NewGuard™, our proprietary program, data, and citation management platform.
- Through our local Knoxville office, BLS processing agents and payment processors will speak with citizens and/or violators to answer questions, take payments, and solve issues. BLS will provide dedicated court liaisons in the same office that will work with the city's adjudication process, provide expert testimony, and other tasks and deliverables as necessary. BLS staff will continually work with the Traffic Division of the police department regarding each element of traffic safety, violation capture, officer approval, and all other requirements. All services will be in accordance with relevant federal, state, and local requirements.
- Above all, BLS is dedicated to community safety. Our company will work closely with Knoxville Traffic and Engineering Departments, Police Department, Public Works Department, and Information Technology Department to ensure a successful program. As requested, BLS will provide a NO COST solution for all projects included in this solicitation.

Blue Line Solutions is confident in our ability to execute each requirement set forth in the RFP and has a proven track record to validate this claim.

Over the past decade, BLS has strategically positioned itself for expansion by investing in both human and technical resources that fuel our capacity to grow. We have built a strong foundation of talented, local professionals, continuously nurturing and developing their skills through ongoing training, mentorship, and professional development programs. This investment in our people ensures that our team remains versatile, knowledgeable, and ready to tackle new challenges as we expand into new markets and acquire new customers.

We've developed a robust technical infrastructure that supports our growth ambitions by investing in cutting-edge tools, software, and systems that streamline our operations, enhance collaboration,

and improve overall efficiency. These technological advancements allow us to manage larger volumes of work with greater precision, while also providing the flexibility to adapt to changing customer needs.

The City of Knoxville will benefit from BLS' experienced workforce and state-of-the-art technology. Our company is positioned to scale rapidly and confidently in our own backyard to support our neighboring city's safety needs. As we look to the future, our decade-long preparation enables us to seize new opportunities, onboard new talent swiftly, and leverage innovative solutions to deliver exceptional results to our growing customer base.

BLS brings the City of Knoxville a full suite of customized solutions that can be mixed and matched based on the City's needs and wants for each zone. We are confident in our ability to fulfill all the City's preferences listed in the RFP. BLS will provide non-intrusive, fixed automated speed detection, red-light, and noise ordinance units installed with non-intrusive, environmentally friendly, low power consumption in mind. (110V or via solar panels to portable easy to move units).

We will work closely with Knoxville's decision-making team as situations change or if more, fewer, or different solutions are desired. BLS stands ready to implement changes prior to, or during the installation phase or even if changes are requested many years down the road. BLS will provide the program within all provisions of Knoxville city ordinances, TCA 55-8-198, TCA 55-8-152, Sec. 17-210, Sec 17-262.

Below are some key features that Blue Line Solutions will bring to the City of Knoxville:

- Meets or exceeds all requirements outlined in this RFP Specification.
- Complete turn-key speed enforcement program featuring LiDAR speed detection technology
- Innovative, streamlined violator-funded Traffic Safety Corridor Program
- All equipment and signage related to the program
- All necessary testing and certification
- Will retain all permission, equipment, documentation, and certification documentation
- Training to the police department at no cost throughout contract
- Ability to use either still-frame or live-stream video cameras and the ability to review stored information per Tennessee Records Retention requirements
- Web-based software for the approval and management of citations, video reviews, and data accessible from any web-enabled device
- High-definition motion or picture cameras with No-Flash infrared lighting
- TrueBlue™ or Flock ALPR and alternative compatibility (if required)
- Customizable for school calendars, specific enforcement, and variable speed thresholds
- Manage small or multi-lane roads, as well as high-volume traffic
- Complete court packets, including all necessary documentation of certifications, citations, and evidence needed for court hearings
- Comprehensive reporting, including pre- and post-enforcement violations, traffic and speed reports, and financial reports.
- Robust PI&E program supported by dedicated, local employees
- Local to Knoxville employees and **headquarters less than 2 hours away**

We look forward to this opportunity to make the City of Knoxville a safer location for all residents. Together, we can achieve ZERO: Zero Crashes. Zero Injuries. Zero Fatalities.

1. MAINTENANCE [RFP SECTION III – 1]

Headquartered in Chattanooga, Tennessee, BLS maintains a fully operational Camera Network Operations & Response Center (CNOC) and service hub to support its customers. This state-of-the-art center is designed to monitor the real-time operational status of all Blue Line systems through multiple tools including our PRTG monitoring service platform. CNOC is staffed for immediate response to any issues and/or outages arising within our nationwide client base.

The Service Hub also serves as our Level 1 (L1) support center for all after-hour support. BLS can remotely monitor, and quickly troubleshoot issues through our daily, operational health checks. This allows BLS to maximize uptime and performance for our customers. Below are some examples of daily CNOC activity:

- A/C or Solar Outage Monitoring
- Solar Performance Testing
- Network Connectivity Checks
- Remote Software and Firmware Upgrades
- Optimize Camera Alignments
- Remote Diagnostics
- Vandalism Monitoring

BLS monitors our systems via regularly scheduled preventative maintenance including calibrations, replacement of consumables, system cleaning, visual inspections, and any other hardware adjustments, and necessary replacement(s). Our proactive maintenance approach includes regular inspections and prompt resolution of any issues, ***ensuring that the system remains in optimal working condition at all times.*** The City of Knoxville will never pay maintenance costs, as it is part of the NO COST solution provided by BLS.

BLS will maintain cameras and all associated equipment in good working order via frequent inspections and preventative maintenance of all operational equipment. We will ensure the City of Knoxville the following criteria will be met:

a. Any defective camera or other equipment will be repaired or replaced within forty-eight (48) hours.

- BLS is well-positioned to exceed the stated requirement for repair or replacement of defective cameras or other equipment within forty-eight (48) hours. Operating from a local Knoxville office, BLS provides unparalleled service through a robust local inventory and immediate access to additional equipment at our Chattanooga facility. This strategic approach eliminates the need for overnight shipping and ensures that technicians, replacement equipment, and necessary components are readily available.
- BLS's efficient service model guarantees that repair or replacement requests are addressed promptly, making compliance with the forty-eight-hour requirement not only achievable but consistently reliable. Our local presence and proactive inventory management uniquely position BLS to deliver superior service and ensure operational continuity for the City of Knoxville.

b. *The operation of all cameras and equipment will be reviewed at least weekly and a routine schedule of preventive maintenance and cleaning, as required, will be performed.*

- ☑ BLS ensures the consistent performance of all cameras and equipment through a comprehensive monitoring and maintenance program. From our Computer Network Operation Center (CNOC) in Chattanooga, technicians monitor the health of the cameras in real time, conducting daily checks to validate system uptime and event capture performance. Additionally, cameras are spot-checked 24/7 to address any immediate issues.
- ☑ To ensure maximum uptime, our service technicians perform preventative maintenance on a quarterly basis. This includes cleaning lenses, inspecting components, and ensuring calibrations are compliant with manufacturer specifications, state laws, and city ordinances. The calibration process is particularly critical for speed, red-light, and noise ordinance equipment to maintain accuracy and reliability.

c. *The Contractor will keep maintenance logs as required by the city.* (one example below)

- ☑ BLS maintains detailed and accurate maintenance and calibration logs for all equipment on an ongoing basis. Each time a technician performs service—whether on-site or remotely—the maintenance logs are updated promptly to ensure a complete and up-to-date record.
- ☑ These logs are securely stored and can be readily accessed for court proceedings or provided to the city upon request. BLS's meticulous documentation practices ensure full compliance with the city's requirements while supporting transparency and accountability in equipment maintenance and calibration.

 **Blue Line Site Configuration and Certificate History**
DragonEye Technology, LLC

Serial No.	Date	Cert. No.	Part No.	LIDAR 1 S/N	Cert.	LIDAR 2 S/N	Cert.	LIDAR 3 S/N	Cert.
FX1048 Houston County, Eagle Springs Elementary, US41 (SB)									
	6/7/2024	241594	72327-01	FL1076	241595	FL1075	241596		
	9/14/2023	232574	72327-01	FL1076	232575	FL1075	232576		
	11/8/2022	223114	72327-01	FL1076	223113	FL1075	223115		
	10/19/2022	222945	72327-01	FL1070	222946	FL1068	222944		

RMA History

Serial Number FX1048			
RMA Number	RMA Open Date	Repair Ship Date	Certificate Number
FX1048-01	10/24/2022	11/8/2022	223114
Issue 1	Issue 2	Evaluation Notes	Repair Action
Will Not Acquire		Both LIDARs (FL1068 and FL1070) fails to acquire. May a be weak transmit beam.	Replaced LIDARs with S/Ns FL1075 and FL1076.

Sample maintenance log for BLS' cameras

- d. *Upgrades to initial equipment will be reviewed after three (3) years.*
- ☑ BLS is committed to ensuring that all equipment remains state-of-the-art and fully capable of meeting the City's needs. BLS agrees to conduct an initial formal review of equipment upgrades after three (3) years, as required. Additionally, BLS will continuously evaluate equipment performance on an ongoing basis to identify opportunities for enhancements or upgrades, ensuring optimal functionality and alignment with technological advancements. BLS recently updated its modems in field systems to increase performance, enhance serviceability, and reduce downtime. This was done at no cost to any of our 100+ customers.
- e. *The City will give preference to systems, which are remotely configurable.*
- ☑ BLS provides systems that are fully optimized for remote configuration, maintenance, and virtual repair. Our equipment and Computer Network Operation Center (CNOc) environment are specifically designed to support seamless remote operations.
 - ☑ BLS maintains a dedicated team to assist on-site installation teams and service technicians with real-time virtual support. This capability minimizes downtime, enhances efficiency, and reduces the need for on-site interventions, ensuring the City of Knoxville benefits from a responsive and adaptable system. Additional details regarding the CNOc environment can be found in section h. below.
- f. *The Contractor will warrant and maintain all equipment throughout the duration of the contract.*
- ☑ BLS guarantees to warrant and maintain all equipment for the entire duration of the contract. BLS provides comprehensive "white glove" service, ensuring that every maintenance interaction is handled with the highest level of care, professionalism, and attention to detail. This commitment ensures the reliability and optimal performance of all equipment throughout the contract term.
- g. *Contractor will provide all electrical/digital connections and power at no cost to city.*
- ☑ BLS will provide all necessary technical connections at no cost to the City. This includes, but is not limited to, electrical power, data, and internet connections required for the operation of the system. BLS is committed to delivering a seamless implementation and operational experience without placing any financial burden on the City for these essential services.
- h. *Contractor will describe how they will monitor systems to determine operational usage and system outages.*
- ☑ BLS operates a state-of-the-art Camera Network Operations & Response Center (CNOc) in Chattanooga, Tennessee, to monitor and ensure the optimal performance of all systems. The CNOc is equipped with advanced monitoring tools, including the PRTG platform, to continuously track the real-time operational status of Blue Line's cellular and network-based cameras.
 - ☑ Staffed by highly trained technicians, the CNOc provides immediate response to any



Blue Line Solution's CNOc Center

issues or outages affecting our nationwide client base. The Center also functions as the Level 1 (L1) support hub for all after-hours needs, ensuring 24/7 availability.

- ☑ Through daily operational health checks, BLS proactively monitors and quickly troubleshoots any system issues. This approach maximizes uptime and performance, providing the City of Knoxville with a reliable and efficient monitoring solution.

- ☑ Below are some examples of daily CNOC activity:
 - A/C or Solar Outage Monitoring
 - Solar Performance Testing
 - Network Connectivity Checks
 - Remote Software and Firmware Upgrades
 - Optimize Camera Alignments
 - Remote Diagnostics
 - Vandalism Monitoring

- ☑ BLS monitors its systems through regularly scheduled preventive maintenance, which includes calibrations, consumable replacements, system cleaning, visual inspections, hardware adjustments, and any necessary component replacements.

2. OPERATIONS [RFP III – 2]

Office and operational departments will be fully staffed no later than 60 days after the contract is fully executed. The City will have the right to review the references and background information of any of the Contractor's employees directly involved in providing services. The City may request the replacement of any employee providing services to the City.

- ☑ BLS will establish a fully staffed office in Knoxville within 60 days of contract execution. The office will house the following key personnel:
 - **Processing Agents:** Responsible for processing violations captured by the enforcement cameras in Knoxville, obtaining vehicle registration information through NLETS, and preparing these for police officer approval.
 - **Payment Processing Agents:** Tasked with handling payments from violators via phone or walk-ins, responding to inquiries, and providing Public Information and Education (PI&E) data and support.
 - **Service Technicians:** On-site service technicians will utilize vans or bucket trucks as needed to maintain and service enforcement systems.

- ☑ To ensure compliance with CJIS and NLETS requirements, all BLS employees must pass a criminal background check conducted by NLETS. The Knoxville office will meet stringent security standards, including CJIS, FedRAMP, and NLETS compliance, and will feature access controls, 24/7 video surveillance, and recorded phone calls to uphold high operational standards.

- ☑ BLS will provide the City with references and background information for all employees directly involved in service delivery and will comply with the City's requests for employee replacement, if necessary. Additionally, any contractors or subcontractors engaged by BLS will be presented for City approval, and BLS will adhere to all related recommendations or requirements.

3. CUSTOMER SERVICE [RFP III – 3]

Blue Line Solutions (BLS) understands the importance of exceptional customer service in automated enforcement programs. We are committed to promptly and thoroughly responding to all public inquiries regarding the program, citations, enforcement, and any other related citizen concerns. BLS will actively coordinate with the City of Knoxville to stay involved in public outreach efforts, ensuring transparency and clear communication with the community about the program. Additionally, all media relations will be handled in coordination with the City, and these services will be provided at no cost to the City of Knoxville. Our goal is to work in partnership with the City to effectively manage public relations and ensure a smooth and well-informed program rollout.

a. *Signage will be posted at each location where camera systems operate, per state law, as well as at key roadways entering the city limits, with installation, maintenance, and cost to be assumed by the contractor*

- ☑ BLS will collaborate with the appropriate city departments to ensure that all signage is properly placed in accordance with city requirements and state law. Our permitting team will handle all necessary permit applications, site drawings, and other required documentation for each school zone, red-light, and noise enforcement device. BLS will ensure that these applications are submitted in a timely and efficient manner, making the permitting process smooth and effective. All costs associated with signage installation, maintenance, and permits will be fully covered by BLS, with no cost to the City of Knoxville.

b. *Installation will have the City of Knoxville (KPD and/or Transportation Engineering) location approval and will meet the design plan for the city of Knoxville detailing size and design. Signage will have an identifier on the rear detailing the ownership of the contractor.*

- ☑ BLS will coordinate with the Knoxville Police Department (KPD) and/or Transportation Engineering to ensure that all signage design, placement, size, and other specifications meet the City's approval prior to installation. As part of our standard process, BLS will provide sample imagery of signage during the permit application process and site plan development, ensuring that the design, size, and placement meet the City's requirements and are approved by the appropriate permitting authority.

- ☑ Additionally, BLS will ensure that all signage includes an identifier on the rear detailing BLS ownership, in compliance with the City's requirements.

c. *Information pamphlets/brochures will be included with the mail-out of each citation, with the contractor assuming the cost for printing and postage.*

- ☑ BLS will include pamphlets and brochures with each citation mailed to violators. BLS will collaborate with the City to ensure that the wording, graphics, and overall content are approved by the City prior to distribution. BLS has extensive experience in the development and distribution of Public Information and Education (PI&E) materials, as we routinely produce and distribute these components for every program we deploy. The cost for printing and postage of these materials will be fully covered by BLS.



Example PI&E graphic for Knoxville

d. Contractor will assist with the content and design of public education materials to be funded and implemented by the city.

- ☑ BLS takes pride in supporting community awareness and engagement efforts. A key part of this initiative is through the development of brochures, pamphlets, social media content, press releases, and other public education materials. BLS will assist with the content and design of these materials, ensuring they align with the City's objectives. Additionally, BLS will fund all Public Information and Education (PI&E) materials, providing the City with a comprehensive and cost-effective solution for public outreach and education.

e. Contractor will support the city by training the City Court, KPD, and other City staff how to present public seminars or presentations with respect to the system

BLS is committed to providing comprehensive training to ensure the success of the City's program. The BLS Agency Operations Team will deliver training for KPD personnel in all aspects of the program, including violation approvals, running data, generating reports, and more.

- ☑ The BLS Court Team will conduct specialized training for court staff, prosecutors, judges, and anyone involved in case adjudication and hearings, ensuring that all personnel are fully prepared to handle legal matters related to the program.
- ☑ Additionally, the BLS Agency Operations and Data Analytics Team will provide training and support for public outreach efforts, including the development of PowerPoint presentations, data, and key messaging for public seminars or media interactions. This will help ensure that information is effectively communicated to the public and the media for positive program outcomes.
- ☑ Personnel training will include, at a minimum:
 - Detection and camera systems familiarization
 - Officer Approver and reporting training
 - Hardware (if applicable) and/or software familiarization
 - Courtroom testimony and evidence presentation strategies
 - BLS will ensure that all personnel are well-equipped to represent and support the program in their respective roles.

Having dedicated key employees in and near and in the city increases the quality of Blue Line Solutions' overall support for the City of Knoxville's safety program.

f. Contractor will provide PSA spots for radio and television and copy for print publications if available.

- ☑ BLS has an in-house media team, video production team, and recording studio to develop high-quality radio and television PSA spots tailored to the program. Our team is fully equipped to assist with all elements of media, including audio, video, web content, and print publications.
- ☑ BLS will provide PSA spots for radio and television, as well as copy for print publications, as required by the City of Knoxville. We believe that Public Information and Education (PI&E) are crucial components of any automated speed enforcement program. Often, citizens may not be aware of the traffic issues until receiving a citation. To prevent community backlash, BLS ensures a comprehensive approach to PI&E,

- which obtains “political permission” and includes:
- Community engagement efforts to build awareness and support
 - Information included with citizens’ water bills
 - Social media outreach via police, city, and school system accounts
 - Brochures mailed with citations
 - Distribution through local community organizations such as PTA/PTOs and Chambers of Commerce
- BLS is committed to providing strong PI&E support to ensure that the public is well-informed about the program and its benefits.



PSA from Fulton, GA developed to bring awareness to their safety program (https://youtu.be/LS1gQ_3vn8A)

g. *Contractors will provide samples of educational materials to the city.*

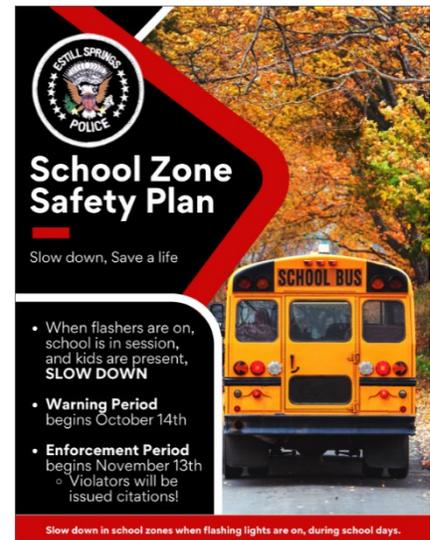
- BLS provides customized, localized Public Information & Education (PI&E) materials that are specifically branded for the City of Knoxville. These materials are designed to build community trust, transparency, and equity by featuring relevant information about the program. BLS offers a variety of written, print, social media, and digital materials, all created by our in-house team of marketing professionals. We would be proud to provide the City of Knoxville with similar materials, ensuring that the public is informed and engaged in making the community safer for all. Please find below examples of our in-house marketing designs for PI&E materials, which reflect our commitment to delivering high-quality, effective public outreach.



Roadside billboard from a PI&E campaign



Water bill insert sent out across Youngstown, OH



Flyer sent home with students and through online Estill Springs, TN parent portal



Charles City adds speed cameras to school zones

Updated: Nov. 14, 2024 at 5:00 AM EST



A traffic study from March shows a significant problem with speeding.

Charles City County, VA local news sharing BLS' designs and speed study statistics locally for public information & education (PI&E)

St. Martinville, LA (October 23, 2024) - The Fairburn Police Department will be launching an automated photo speed enforcement program at the St. Martinville Senior High School designated school zones. Speed studies conducted in 2021 at the high school identified a significant problem with speeding in this area, recording 3,084 violations in a 5-day period.

In St. Martinville at the St. Martinville High School, we recorded 25,556 drivers a week in the school zone with 3,084 speeding vehicles (12.07% of all vehicles). Of those speeding, we measured 2,116 vehicles speeding 11-14 mph over the speed limit (68.61% of all speeders), 871 vehicles traveling 15-20 mph over the speed limit (28.24% of all speeders), and 97 of those speeding vehicles exceeding 21 mph over the posted school speed limit (3.15% of all speeders). We not only have a speeding concern in our school zones, but we have a high speeder concern with 31.39% of all speeders traveling 15+ mph over the speed limit which is alarming for the safety of our community.

We know that speed kills; statistics show a child struck by a vehicle traveling 40 MPH, only has a one in 10 chance of survival, but if you slow that down to 20 MPH, that same child has a much-improved survival rate of nine in 10. Speeding is also a primary contributing factor in motor vehicle crashes resulting in personal injury and deaths. According to the National Highway Traffic Safety Administration, 64% of child pedestrians killed in traffic crashes occurred during the weekday (6:00 a.m. Monday to 6:00 p.m. Friday) ([NHTSA Traffic Safety Facts](#)).

Our goal is to increase safety for students, parents, teachers, and the motoring public traveling through the St. Martinville Senior High School zones. This program combines robust public information & education, along with a 30-day warning period to encourage people to slow down and change their driving behavior. The school zone will be clearly marked with posted speed limit signs. [Zone](#) will also have flashing lights

and additional road signs to capture a vehicle's speed and give advance warning to the driver of the upcoming school zone. Cameras will be used to identify any non-compliant motorists traveling at 10+ MPH over the posted speed limit.

Photo speed cameras will be active and enforced on days that school is in session, children are present and when the school zone beacons are flashing. If you are traveling through the St. Martinville Senior High School zone during school hours, these cameras will be active.

October 28th will start the initial warning period. During this warning period, violators will receive a warning in the mail marked in red advising of the violation that occurred on such date and time. Warning citations serve as a reminder to slow down in places where our children learn and play and carry no monetary implications.

Live enforcement begins after the 30-day warning period, on December 2nd, after the Thanksgiving break at the high school. At this time, motorists that exceed the posted school zone speed limit at 10+ MPH will receive a citation in the mail. These citations are civil in nature, carry a fine, but do not come with points against your license, or insurance penalties.

Photo speed cameras will be active and enforced on days that school is in session, children are present and when the school zone beacons are flashing. If you are traveling through our St. Martinville Senior High School during school hours, these cameras will be active.

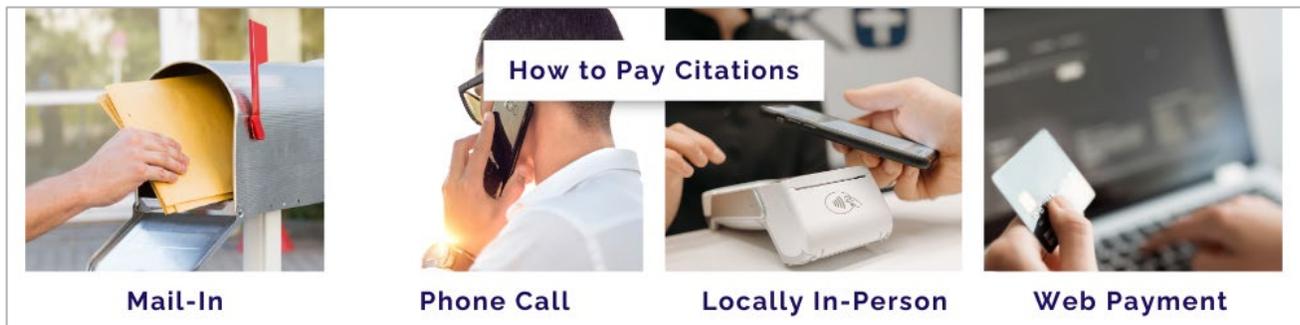
We are committed to changing driver behavior, slowing speeders down, and protecting our children. Please drive safely in our school zones and in our community. Working together, we can achieve our goal of ZERO. "Zero crashes, Zero injuries, and Zero endangered lives."

St. Martinsville. LA press release for their school zone safety

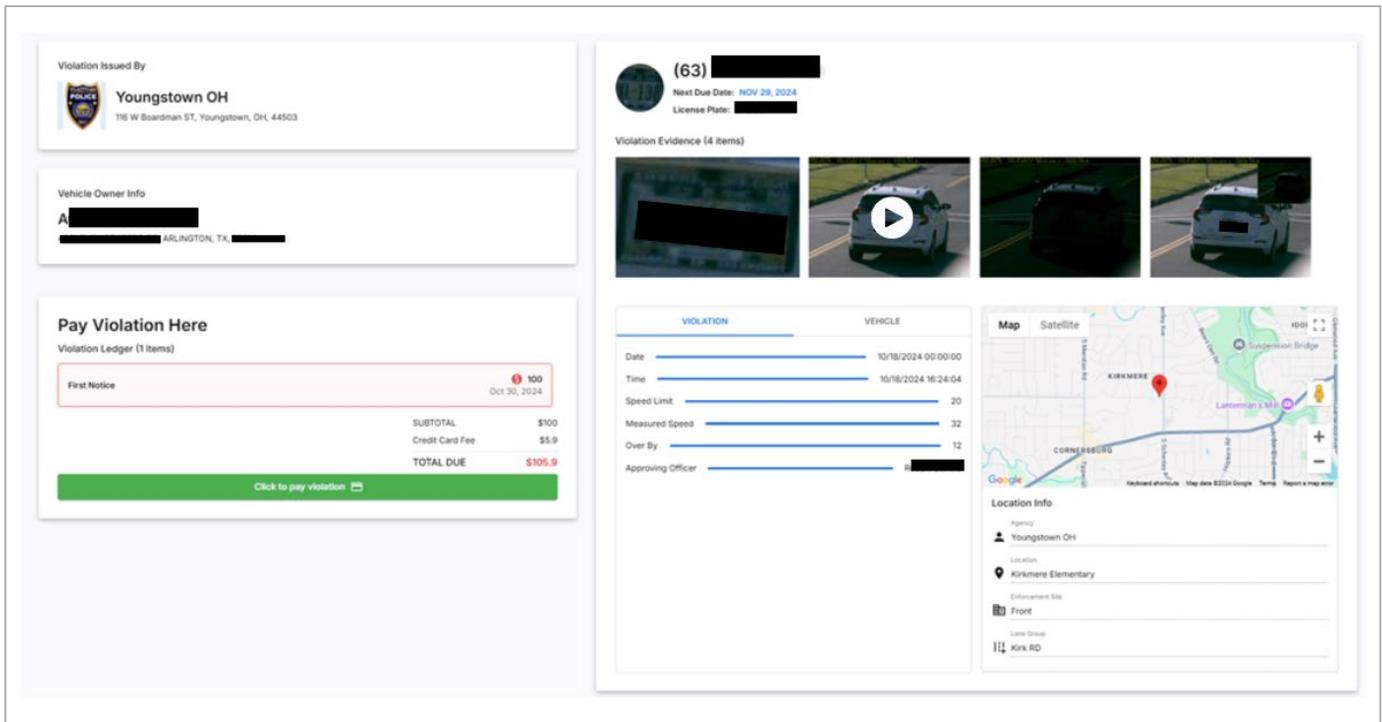
4. COLLECTIONS [RFP III – 4]

a. *Payment options should include check, money order, or credit card, in person, via telephone and over the internet.*

- ☑ BLS offers multiple, seamless payment options for citation processing, ensuring convenience and accessibility for citizens. Payments can be made using the following methods:
 - All major credit cards
 - Checks by mail
 - Money orders
 - Website
 - Telephone
 - Cashier's checks
- ☑ BLS employs a team of customer service representatives based in Chattanooga to manage and process payments. This service is provided in-house, ensuring direct control over customer interactions. Additionally, BLS has rollover centers across the country for business continuity and scalability as the program grows.
- ☑ To further support the City of Knoxville, BLS will employ additional payment processing agents in the Knoxville office, available to accept walk-in payments and provide customer service. Our multilingual customer service professionals are trained to assist with all payment-related inquiries and ensure smooth transactions.
- ☑ BLS fully complies with the Fair Debt Collection Practices Act (15 U.S.C. 1692 et seq.) and all applicable state and federal laws, ensuring ethical and compliant payment processing.
- ☑ As mentioned, BLS offers four established methods for citation payment processing. Violators can easily pay via mail, phone, or our secure website. BLS will provide a direct link to the payment website for the City of Knoxville's website, so violators can conveniently access the payment portal. Payments made online are automatically processed and reflected in the account, ensuring real-time updates for the user.
- ☑ BLS is committed to delivering a comprehensive and user-friendly payment processing experience for the citizens of Knoxville.



Payment methods that Blue Line Solutions facilitates for violators to pay their fines



Example violation view and payment screen

b. *The Contractor will directly deposit all monies into an account specific to the City of Knoxville. City-approved fine collection procedures will be developed in accordance with the City's financial accountability and Customer Service Guidelines.*

- As a standard practice, BLS will establish a dedicated account specific to the City of Knoxville to ensure that no citation payments are commingled with payments from any other jurisdiction. This account will be used solely for the collection of fines related to the Knoxville program.
- BLS is committed to adhering to the City of Knoxville's financial accountability and customer service guidelines. We will work closely with the City to develop and implement fine collection procedures that align with the City's standards and ensure transparent, efficient, and accountable financial management throughout the duration of the program.

c. *Records will be kept in accordance with generally accepted accounting practices.*

- BLS adheres to generally accepted accounting principles (GAAP) as established by the Financial Accounting Standards Board (FASB). The CFO of BLS is a Certified Public Accountant (CPA), and the company follows best practices in all financial processes. Our operations are conducted in CJIS-compliant locations to ensure security and regulatory compliance.
- BLS maintains strategic partnerships with contracted agencies, ensuring that all funds are deposited into designated accounts, reconciled regularly, and remitted in accordance with contractual agreements. We undergo annual financial audits conducted by a third-party vendor to ensure transparency and accountability. Additionally, BLS can provide regular reporting and reconciliations for designated accounts, ensuring all financial transactions are tracked accurately and in compliance with state law.

- If required, BLS can customize a detailed annual report tailored to the City of Knoxville's specific requirements and preferences to ensure comprehensive financial transparency and oversight.
- d. *The contractor will be expected to establish a relationship with a collection agency to pursue any unpaid citations. If necessary, the contractor may be required to bring civil suit for unpaid citations and provide a technical expert to testify in court regarding the operation of the cameras and the program in general.*
- BLS has maintained a strong, longstanding relationship with Municipal Collections of America (MCOA) for over a decade. Our proprietary NewGuard™ platform streamlines the collection process by automatically exporting non-paid citations to MCOA. This system ensures a seamless transfer of information between BLS and MCOA, with violations classified as "in collections" once they meet the city's threshold for non-payment. The NewGuard™ platform utilizes artificial intelligence (AI) to automatically place a "collection hold" on an account, which requires the violator to contact the collection agency to make payment.
 - MCOA adds their collection fee on top of the fine, ensuring that the city retains the maximum revenue from each violation. MCOA does not take any portion of the fine itself. Once MCOA collects the fines, they send the payment data and revenue to BLS during the first week of each month, at which time the violator's citation account is updated as paid and the revenue is posted accordingly. The collected funds are then deposited into the designated account for distribution to the City of Knoxville.
 - In the rare event that legal action is necessary, BLS is prepared to support the city, including providing a technical expert to testify in court regarding the operation of the cameras and the overall program.
- e. *Subject to the requirements of state law, contractor will prepare notice letters for all chargeable violations and will mail notice letters to vehicle owners. A second notice will be issue for any violations that remain unpaid. If the Contractor receives a returned mail notice on any notice sent, the Contractor shall resend the notice to the corrected mailing address provided by the post office or make effort to obtain a correct address.*
- BLS) has a dedicated Mailroom Operations team located in Chattanooga, TN, responsible for the printing and mailing of both first and second violation notices, in full compliance with the City's program requirements.
 - **First and Second Notices:** If a violation remains unpaid within the specified time frame, BLS automatically generates and mails a second notice to the vehicle owner. This ensures timely follow-up and increases the likelihood of payment.
 - **Returned Mail Management:** In the event of returned mail, BLS has multiple methods to obtain the corrected address. This includes utilizing postal services or other address verification resources to update the information and resend the notice to the correct address. We are committed to ensuring that all notices reach the intended recipients, and every effort will be made to maintain accurate and updated mailing addresses for violators.
 - This comprehensive process is managed in-house in Chattanooga, TN to ensure the highest levels of accuracy, efficiency, and customer service.

f. *After expiration of the second notice due date, contractor shall pursue collections on unpaid notices, subject to the limits of the state law. Explain collections approach in your proposal.*

- BLS follows a streamlined and efficient process for pursuing collections on unpaid citations once the second notice due date has expired, in full compliance with applicable state laws. Our collections approach includes the following steps:
 - **Transfer to Collections:** After the second notice period expires and the fine remains unpaid, the violator's citation information is electronically transferred from our NewGuard™ platform to Municipal Collections of America (MCOA), our trusted collections partner.
 - **Account Lock:** Once the citation information is sent to MCOA, the violator's account is "locked" in NewGuard™, meaning they must contact MCOA directly to make payment. If the violator calls BLS to inquire about payment, our Payment Processing Agent will inform them that the account is locked and provide the contact details for MCOA.
 - **Collection Process:** MCOA will initiate the collection process, contacting the violator by multiple means to secure payment.
 - **Payment and Account Update:** Once MCOA collects the payment, they close the collection account as paid. During the first week of each month, MCOA sends the collected revenue to BLS, along with the corresponding accounts to be updated in NewGuard™.
 - **Revenue and Reporting:** BLS updates the violator's account in NewGuard™, and the collected revenue is deposited into the designated city account. By the 15th of each month, BLS will provide the City of Knoxville with a detailed revenue report, which includes data on issued violations, payments, and the revenue collected through the collections process.
 - **Revenue Payment:** The revenue from collections is included in the monthly revenue payment sent to the city, accompanied by the corresponding report, ensuring transparency and proper documentation.
- This automated and systematic approach ensures efficient handling of unpaid citations while maintaining compliance with all legal and procedural requirements.

g. *Violations for which registered owner data is available shall be issued within 7 business days of the violation event date.*

- BLS will ensure that citations are issued within 7 business days of the violation event date, provided that registered owner data is available.

h. *Contractor and any associated collection agency will fully comply with the Fair Debt Collection Practices Act 15, U.S.C. 1692, et seq., and any other applicable state or federal law.*

- BLS and MCOA do and will comply with all Fair Debt Collection Practices Act (15 U.S.C. 1692, et seq.) and any other applicable state or federal laws.

i. *City of Knoxville Municipal Court employees would be able to access the Contractor's software for the acceptance of payments via cash, check, credit/debit VISA/MC, money orders, and cashier's check.*

- BLS will make NewGuard™ available to court employees for payment collection and any other needs of the court. Additionally, BLS will provide the Tennessee-based Court Liaison to assist Municipal Court employees with court proceedings, including accepting payments if desired.

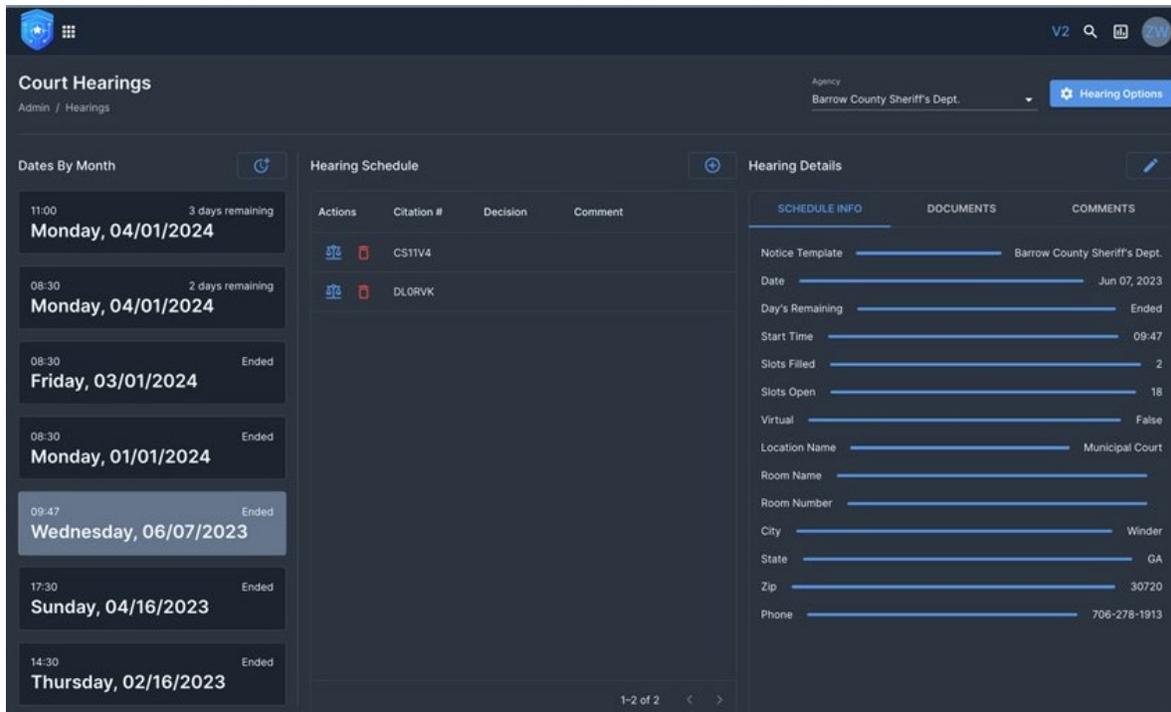
5. COURT HEARING PROCESS [RFP III – 5]

The Contractor will utilize the existing Municipal Court procedures to coordinate requested hearings on citations. This includes receiving the initial hearing requests, scheduling court hearings before the city judge, and providing testimony and all hearing-related background materials to the court.

- ☑ As part of the turn-key solution, BLS will utilize the existing Municipal Court procedures to coordinate requested hearings on citations. BLS provides the Court Liaison, who will coordinate directly with the local judiciary to establish court schedules for all locations, including times, locations, and the maximum number of hearings allowed per session. Once established, BLS will handle the receipt and processing of contest forms, schedule violators for their court dates, and notify violators of their court dates.
 - ☑ BLS will prepare “evidence books” for each contested citation, which will include the court docket, a copy of the citation, a violation information sheet, camera certification, and other pertinent information deemed necessary. Once the hearing has been held, the court of jurisdiction must return the filled-out docket, at which time BLS will enter the decisions based on the docket. These decisions, which may include dismissals, fine reductions, and judgments of liability, will then be used to notify the violator of the outcome and any further requirements. As applicable, BLS will also provide expert witness testimony.
- a. *Contractor shall provide hearing scheduling service for people who dispute notices. This shall include call center services to take calls during normal business hours. Currently, red light camera violation hearings are held on the second Wednesday of each month.*
- ☑ BLS will provide court scheduling services for the City of Knoxville and will handle all aspects of scheduling court cases.
 - ☑ If a person wishes to contest a violation, they can:
 - Call or walk into the processing center to speak to a Court Liaison, who will schedule a court date.
 - Visit the website maintained by BLS for the City, where the violator can download and print a form to be mailed or emailed to the Court Liaison Department. Once the form is received, the Court Liaison will schedule a court date.
 - ☑ The Court Liaison (CL) will:
 - Look up the violator’s citation in the system.
 - Check the court’s schedule, which has been previously shared with BLS by the court.
 - Schedule a court date for the violator.
 - Advise the person of their scheduled court date.
 - A “Court Letter” will be mailed to the violator, confirming the court date and other necessary details.
 - ☑ Two weeks before the court date, the Court Liaison will create "Court Packets" and mail them to the Clerk of Court or the responsible person for each case on the docket. This ensures that all necessary documentation is prepared and delivered in a timely manner.
 - ☑ BLS acknowledges that red light camera violation hearings are currently held on the second Wednesday of each month. We will ensure that all court scheduling and

coordination efforts align with this established schedule. The Court Liaison will work directly with the City of Knoxville's Municipal Court to ensure that violators who request hearings are scheduled accordingly on this designated day each month. This will help streamline the process and ensure that all cases are handled in a timely manner. Additionally, the "Court Packets" will be prepared and distributed to the court ahead of these hearings to ensure a smooth process.

BLS will work with the court and/or Clerk's office to electronically send court packets, dockets, etc.



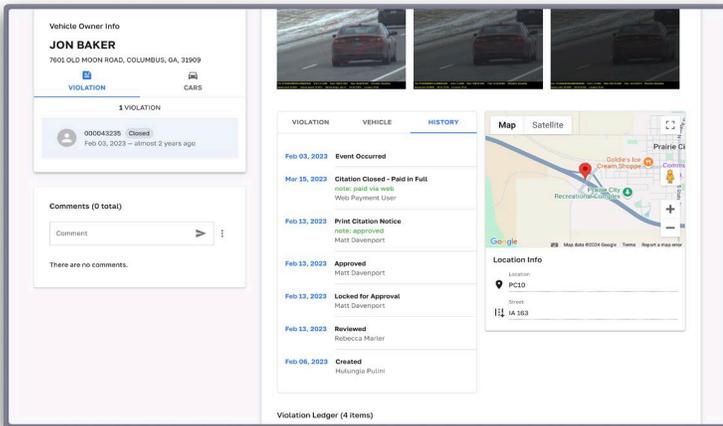
Example of court hearing scheduling and packets in NewGuard™

- b. *The package for each hearing will include the following:*
 - I. *All issued and disputed notices to the party*
 - II. *A correspondence file*
- The docket and court pack will include:
 - Copy of the citation
 - Additional violation images that do not appear on the citation
 - Calibration Records
 - Speed
 - Red-light
 - Noise
 - Copy of the court letter
 - All metadata associated with the violation
 - All issued and disputed notices to the party
 - A correspondence file

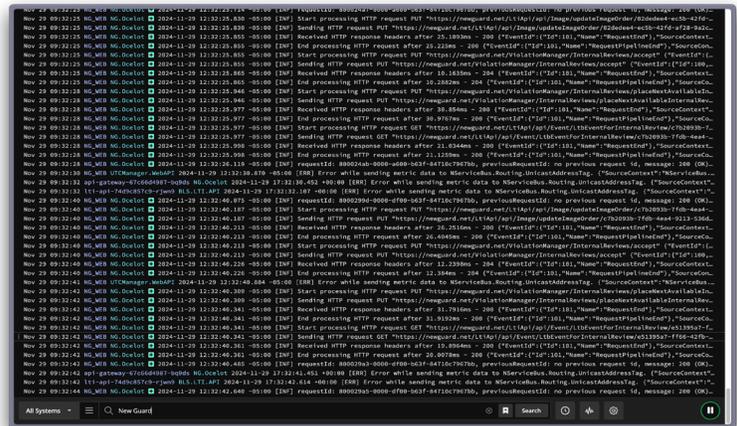
- Once the court case has been heard, BLS will update the dispositions into the violator's account and close the account.

c. **Contractor will maintain a proper chain of evidence, which meets the needs of the City and Court function. The city will utilize the Municipal Court Judge as their respective hearing officer.**

- ✓ A major value that BLS holds over the competition is our staff. Twenty-five percent of Blue Line's employee base consists of former law enforcement officers. This allows BLS to place managers who understand the law and how to read and interpret it, recognizing that any civil case brought against the City or BLS would likely involve an alleged violation of the 4th Amendment. For this reason, the Field Operations and Agency Operations Departments are led by former-ranking law enforcement personnel.
- ✓ Chain of custody is a policy that BLS maintains at the highest level to ensure case integrity, proper defense of the program, and prosecution of law violators. BLS can provide audit logs for chain of evidence upon request. Below are examples of audit and chain of custody logs within NewGuard™.
- ✓ As shown below, BLS records the Processing Agent's computer screen to ensure the highest quality and compliance levels, maintaining a complete and accurate chain of evidence for every case.



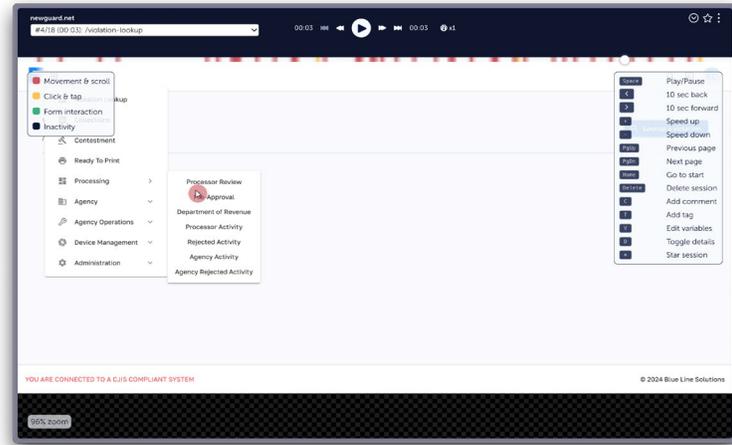
Example of Chain of Custody (violation history) in NewGuard™



Example of Chain of Custody log from the BLS central audit logging service



Example of system login page showing our CJIS monitoring banner



Example of live session recording & monitoring solution in NewGuard™

- d. Contractor will provide, when required for Court testimony, a qualified expert witness who is knowledgeable of the theory, operation, and functional capabilities of the relevant camera unit.
- BLS will, when required for Court testimony, provide a qualified expert witness who is well-versed in the theory, operation, and functional capabilities of the relevant camera unit. This expert will be equipped to provide clear and accurate testimony based on their expertise.

6. OFFICE AND OPERATING LOCATION [RFP III – 6]

The selected Contractor will be required to provide a suitable, centrally located customer service office in the City of Knoxville, open during normal business hours, where citizens may pay their fines and penalties and request a court hearing on citations. The Contractor will appropriately staff the local office to provide the required customer service.

- In addition to the home office in Chattanooga and other satellite offices, BLS will provide a suitable, centrally located customer service office in the City of Knoxville, open during normal business hours, where citizens may pay their fines and penalties and request a court hearing on citations. BLS will appropriately staff the local Knoxville office to provide the required customer service.
- BLS is based solely in the United States, with corporate headquarters located in Chattanooga, TN. Regional resources and employees are based in all states in which we currently operate. Blue Line also maintains regional hub offices in Broward County, FL; Girard, OH; and Shreveport, LA, with more service hubs and processing facilities coming online in 2025. Should BLS be selected, we will make every effort to ensure local providers support the Project Manager (PM) as well as construction and service providers.

Blue Line is committed to fostering a deep connection with the community.

- ☑ Our local team members will not only serve as representatives of BLS, engaging with their fellow community members to address queries and process speeding violation payments, but some will also assume managerial roles. This strategic positioning ensures a seamless flow of communication between BLS's main office in Chattanooga and the local office. It also establishes a direct link between the City, BLS, and the community, ensuring that the needs and concerns of the local population are heard and addressed efficiently.
- ☑ Additionally, the local team will play a crucial role in developing multilingual and appropriate educational materials, such as handouts and brochures, tailored to each community's unique needs. BLS believes that these efforts will not only underscore the commitment of both the City and Blue Line to the safety and well-being of the communities but also lay a strong foundation for the program's success.

This team will extend its services and community engagement efforts across the city, embodying Blue Line's dedication to inclusivity and community partnership.

a. *An adequate number of service and maintenance staff to service the cameras will also need to be readily available to the City of Knoxville, with preference to those located within the City of Knoxville.*

- ☑ The office that BLS locates in Knoxville will include service technicians with vans and lift vans for ongoing installation and service. Since the BLS headquarters is located only 2 hours from Knoxville, the Knoxville service team can quickly be backfilled with other technicians from the Chattanooga facility, as well as local contractors.
- ☑ BLS also already has a Memorandum of Understanding (MOU) signed with three (3) contractors who are certified as a Diversity Business by the City of Knoxville (see Appendix for copies of the MOUs). These agreements further ensure that BLS can meet the service and maintenance needs of the City of Knoxville in a timely and efficient manner, with a preference for local staffing.

DLZ National	Blount Contractors	English Mtn. Construction
800 S. Gay St., Suite 700	635 Dameron Ave	2155 Thompson Creek Rd.
Knoxville, TN. 37929	Knoxville, TN. 37921	Morristown, TN 37873

b. *Image processing/film development, issuance of citations, computer processing, financial reporting, and overall management of the Program may be performed remotely provided the Contractor remains highly responsive to the needs of the Program and meets the requirements of the City of Knoxville.*

- ☑ While the majority of citations for Blue Line Solutions (BLS) programs are processed in Chattanooga, BLS will add employees to be housed in the Knoxville office to process violations, take calls, handle walk-in payments, answer questions from citizens and violators, and provide top-tier customer service to the City of Knoxville. This ensures that, while image processing, film development, issuance of citations, computer processing, financial reporting, and overall management of the program may be performed remotely, BLS will remain highly responsive to the needs of the program and meet all requirements set by the City of Knoxville.

7. RECORD KEEPING [RFP III – 7]

a. *The Contractor shall keep true and accurate records of revenue and expenses, making a clear distinction between the type of fees collected, and shall either allow duly authorized representatives of the City access to the Contractor’s system to obtain the information or provide copies of this information to the City at least monthly and upon request in a form to be specified by the City. All financial records shall be made available to a duly authorized representative of the City upon request. At termination of the contract, either at the end of the term or by termination, the Contractor will provide the City a final report of all revenue and expense records as well as a list of all outstanding citations and payments due for use in processing future receipts.*

- BLS will comply with all the above statements required in this section and will accommodate requests for financial information at any time.
- The City will receive a revenue report on or about the 15th of each month detailing all information for the previous month’s receivables. The following information will be included, but not limited to:
 - Number of violations
 - Number of unpaid violations
 - Number of paid violations
 - Amount of paid violations received
 - Amount of credit card payment fees received
 - Amount owed to the City
 - Number of violations marked with exceptions during processing (no license plate, sun glare, license plate obstructed, etc.)
 - Number of violations spoiled (not approved) by the approving officer of KPD
 - Any other information requested by the city

**AUTOMATED PHOTO-SPEED ENFORCEMENT PROGRAM
MONTHLY CITATION & REVENUE REPORT
MARCH 2024**

MONTH	PROCESSED	EXCEPTIONS	SPOILED	ADMIN VOID	VALID CITATIONS	PAID CITATIONS	CITATIONS CONTESTED	CITATIONS UPHELD	CITATIONS DISMISSED
MARCH	19870	2230	0	13	17,627	11107	42	39	3
TOTALS							QUANTITY	AMOUNT	TOTAL
PAID CITATIONS							11107	\$100.00	\$1,110,700.00
PARTIAL PAYMENTS							0	\$0.00	\$0.00
REFUNDS/CHARGEBACKS							0	\$0.00	\$0.00
TOTAL COLLECTIONS									\$1,110,700.00
SUB TOTAL									\$1,110,700.00
FUNDS TO FLORIDA DEPARTMENT OF REVENUE - GENERAL REVENUE FUND							11107	\$20.00	\$222,140.00
FUNDS TO FLORIDA DEPARTMENT OF REVENUE - D.L.E.C.J.S.T.T. FUND							11107	\$3.00	\$33,321.00
FUNDS TO COUNTY SCHOOL DISTRICT							11107	\$12.00	\$133,284.00
FUNDS TO COUNTY - SCHOOL CROSSING GUARD RECRUITMENT AND RETENTION PROGRAM							11107	\$5.00	\$55,535.00
REMAINDER TO AGENCY							11107	\$60.00	\$666,420.00
CITATION PROCESSING (BLS)							17640	\$15.00	\$264,600.00
TOTAL DUE TO BLS									\$264,600.00

Sample Revenue Report from BLS to an agency

b. *Contractor shall store information and data collected in a database with the capability to track citations and produce statistical reports as needed. The Contractor may be requested to maintain other non-financial information as it relates to the Program and as mutually agreed upon. Such information may include, but is not limited to, traffic count of violations per intersection, number of events captured, citations issued, rear license plate vehicles, false alerts, etc.*

☑ BLS utilizes a proprietary software called NewGuard™ that allows employees and the city employees to process, view, and manage many aspects of the programs. All platforms: Automated Speed Enforcement, Red-light Enforcement, and Noise Enforcement will be processed and managed through the same platform. BLS is the ONLY company in the industry that utilizes the cloud storage platform called NOVA, which is hosted in Arizona at the NLETS facility, ensuring the city the highest level of security available. Blue Line Solutions' web-based reporting systems maintain reporting dashboards that can provide the mentioned metrics to designated users. Such dashboards are customizable and will allow the user to access all information within RFP requirements in real time. For example, our system provides critical information such as:

- Number of events recorded by intersection approach and in total
- Number of events not billable/rejected, including a breakout of controllable and not-controllable events lost by location and in total, along with the reason for non-billable/rejected events
- Number of events forwarded to the Police Department
- Number of citations authorized and mailed by month of issuance
- Number of violations and citations returned as undeliverable
- Number of citations authorized and mailed, by month of issuance
- Number of violations and citations paid and remitted
- Training of all personnel involved in the project's initial implementation and those who become involved later
- Delinquency collections
- Payment processing.
- Traffic camera system's current operability status, including the number of cameras down, reasons for downtime, the status of repairs, and an estimate on full camera operation
- Vehicle registration plate numbers and characters
- State of issue for the vehicle registration plate
- Vehicle registration plate type
- Date of the violation event
- Time of the violation event
- Location of the violation event
- All digitized images demonstrating the violation and tag close-up
- Payment status
- Hearing status
- Correspondence tracking

- c. *All citation images must be stored for at least a one (1) year period (longer for citations still in litigation) in an accessible electronic format and shall be accessible, on request, by authorized City representatives.*
- BLS will comply with the 1 year as required, and longer if needed for any circumstance as advised by the city.
- d. *Description of raw images and image retention schedule will be included in the proposal. Captured images are for the exclusive use of the City of Knoxville, and may not be sold, distributed or otherwise released without permission of the City of Knoxville Project Manager*
- Pursuant to state and local regulations, each agency has the ability to specify its own retention policy in Blue Line's Records Management System (RMS). Retention policies can be specified for violation events that are captured but are rejected during the review process.
 - Separate retention policies can be set for violations that are issued based on when they're ultimately closed/ adjudicated. Retention policies apply to event data files, images, and event media (video, photos), as well as database entity records.
 - BLS will not sell or distribute any images or data collected under this RFP/Contract and will be considered property of the City of Knoxville.
- e. *Contractor will provide the City with online storage of all images and data for a period of one (1) month after disposition and offline/accessible storage of images and data for at least one (1) year thereafter (longer for citations still in litigation).*
- BLS will comply with this requirement, making all data available as needed.
 - BLS will protect the evidentiary value of all data throughout its lifespan.
- f. *Contractor will provide the retrieval of archived information within 3 business days of a request for retrieval.*
- BLS will make archived data available within 3 business days of any request by the City.
- g. *Contractor will provide all required notice processing supplies including paper, envelopes, postage, toner, and any and all notice printing supplies.*
- BLS maintains a Mailroom Operations Center at its corporate headquarters in Chattanooga, TN. Through this department, BLS will provide all paper, envelopes, postage, toner, printing machines, folding & stuffing machines, and all labor and supplies required for mailing any document sent regarding this RFP/Contract.
- h. *Contractor shall be responsible for the processing of images.*
- BLS maintains a processing center in Chattanooga, TN where all citations are processed from the images/videos captured of violations. BLS will add Processing Agents to the new office in Knoxville where the violations captured by the city's program will be processed.
- i. *Contractor shall include one set of images and a license plate image on each citation issued.*
- Each citation will contain a minimum of one set of images and the license plate.

- Red-light Enforcement – Blue Line’s red-light enforcement hardware utilizes AI to determine at what stage each red-light is in (red, yellow, green) without having to connect to the intersection’s traffic control box. This design eliminates the need for cutting into the pavement or installing sensors in the roadway.
- School Zone Automated Speed Enforcement (ASE) – Blue Line’s single beam, single lane LiDAR technology can be installed using A/C or solar power. If the City of Knoxville has a “Green” City Initiative, BLS can provide power through means of solar to enhance the city’s initiative.
- Noise Enforcement – BLS has partnered with Intelligent Instruments to seamlessly continue with the Pilot program that the city already has underway. The SoundVue™ supplied by Intelligent Instruments is non-intrusive as it can be installed on existing buildings, structures, or poles.

In all cases of installation and infrastructure, **BLS will work with the city on the least intrusive installation possible**, including supplying decorative poles that match the current environmental design, or landscape of the city.

- *The City may reasonably expand the program to additional intersections during the terms of the contract. The city may also require either temporary or permanent relocation of any of the cameras to meet changing needs. There will be no unsupervised access to City equipment.*
 - ☑ BLS will expand the program with the city under the RFP without additional contract modifications (unless required by the city). BLS will work with the city to expand/add equipment at any location under the three areas of enforcement listed in this RFP. In the event the city wishes to deploy temporary locations, BLS will utilize many options at its disposal to achieve the goals of the city, including mobile trailer applications.
- *Traffic signal operation will be exclusively operated by the City of Knoxville and will be regulated by approved engineering standards.*
 - ☑ BLS understands the engineering and safety components of intersections and will never suggest or make any changes to the regulation of intersections and will work with City Engineers to deploy the infrastructure and operation with minimal interaction with city-installed lights/equipment.
- *Contractor will provide all equipment and electrical service to complete the total system.*
 - ☑ BLS will provide all equipment needed for any installations associated with this RFP/contract and will utilize qualified electricians, engineers, and project managers.

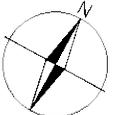
SITE PLANS & PERMITTING

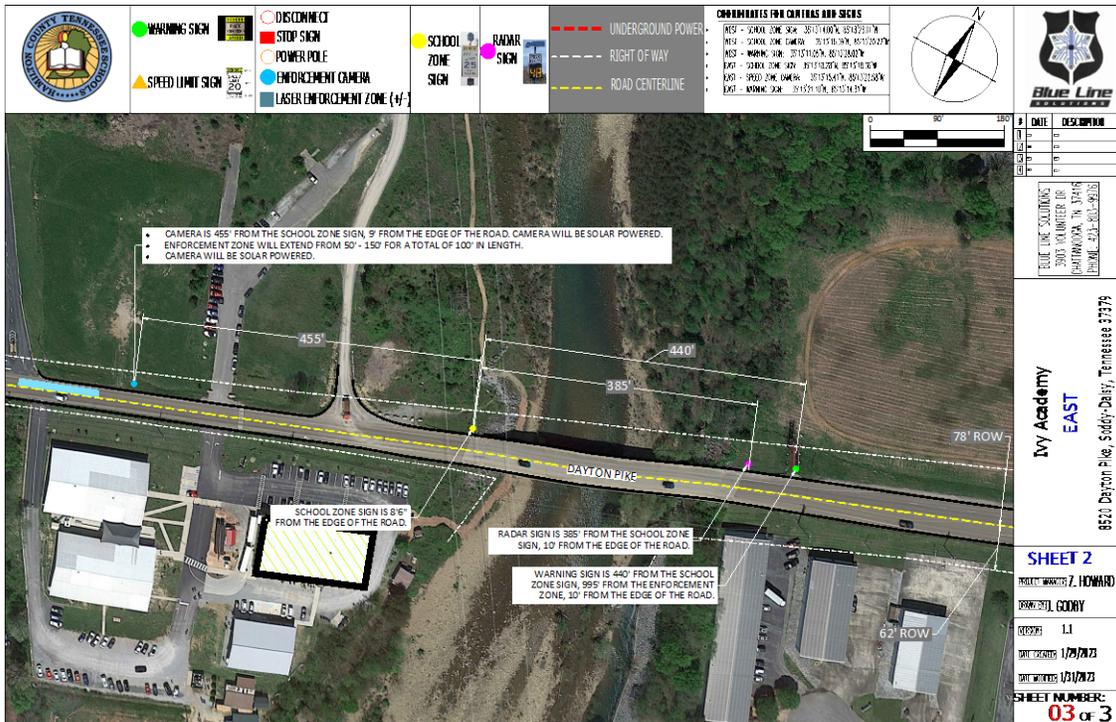
Blue Line Solutions has a Field Operations Team that focuses solely on signage and infrastructure permits. With years of experience in this industry, the team is accustomed to working with Traffic Engineers, Public Work Departments, District Engineers, etc. to obtain permits for every piece of equipment that is installed on the City’s right-of-way. It’s the goal of the department to provide permit applications, site plans, etc. that are correct the first time, reducing the amount of time and effort of edits by city engineers and/or permitting staff. Below are some examples of site plans from school zone programs that we’ve implemented in Hamilton Co, TN (where BLS is located).

The permitting process includes, but is not limited to:

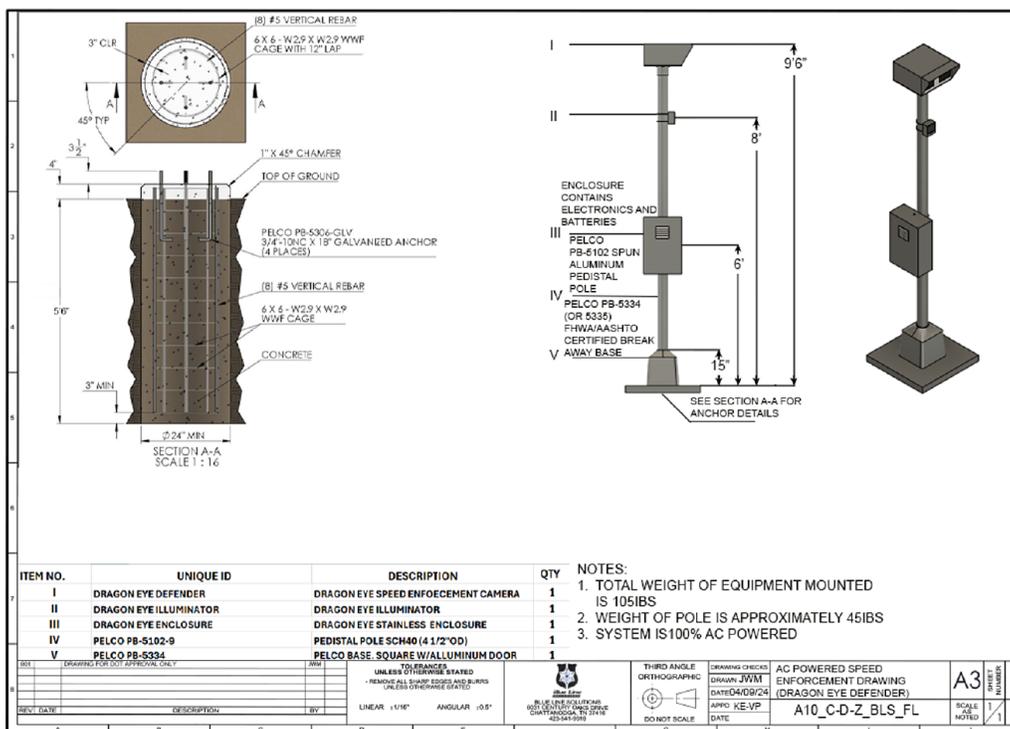
- ✓ Site visits to determine camera and sign locations
- ✓ Assessing existing school zone signage
- ✓ Make recommendations for upgrades of legacy school signage and/or flashers
 - Assessing school zone for flasher monitoring to ensure flasher functionality required for adjudication of citations in court.
- ✓ Develop site plans and stamped by Traffic Engineers
- ✓ Permit application completed and submitted to city/state
- ✓ Utilizing the ETIs from the city-selected firm for the permitting process
- ✓ Assessment for sign placement per TCA 55-8-198
- ✓ Identifying proper placement of MUTCD-compliant signage
- ✓ Assess the site for functionality before operational status
- ✓ Complete site construction
- ✓ Complete camera installation
- ✓ Ensuring restoration of the site after installation

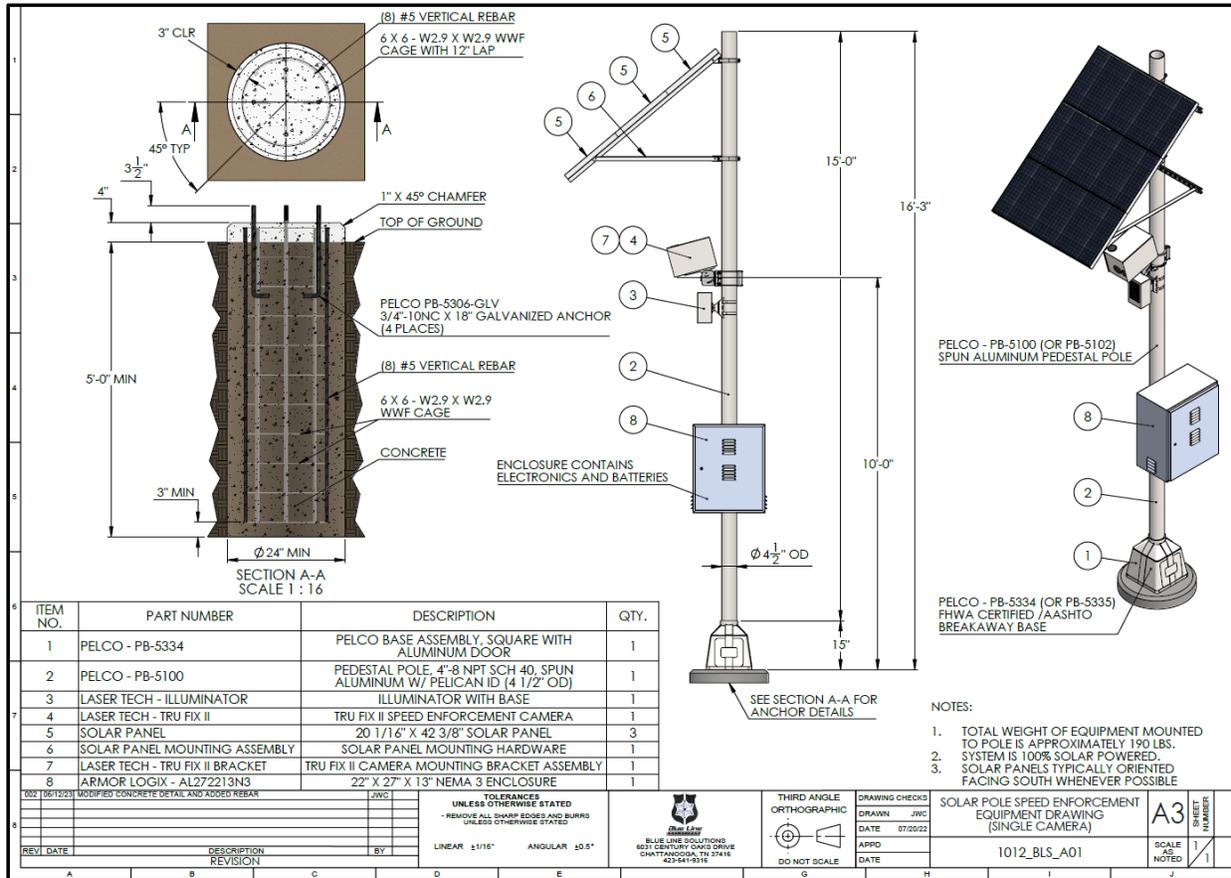
The site plans to the right were from submissions in Soddy Daisy, TN, located in Hamilton Co. These site plans are an example of those provided for DOT, city, or county permit applications, and include measurements in which each sign/camera are to be located.

PROJECT TITLE:	<h1>Ivy Academy</h1>												
PROJECT DESCRIPTION:	<h2>PHOTO SPEED ENFORCEMENT FOR DAYTON PIKE SCHOOL ZONE</h2>												
<h3>COVER PAGE</h3>													
LOCATION MAP:			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">PACKAGE CONTENTS</th> </tr> <tr> <th style="width: 10%;">SHEET #</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>OVERVIEW</td> </tr> <tr> <td style="text-align: center;">2</td> <td>WEST ROUTE</td> </tr> <tr> <td style="text-align: center;">3</td> <td>EAST ROUTE</td> </tr> </tbody> </table> <div style="text-align: center; margin-top: 10px;">  </div>	PACKAGE CONTENTS		SHEET #	DESCRIPTION	1	OVERVIEW	2	WEST ROUTE	3	EAST ROUTE
PACKAGE CONTENTS													
SHEET #	DESCRIPTION												
1	OVERVIEW												
2	WEST ROUTE												
3	EAST ROUTE												
KEY MAP:													
SITE ADDRESS:	8520 Dayton Pike, Soddy-Daisy, Tennessee 37379		PREPARED BY:										
DATE:	PROJECT NUMBER:	DRAWING VERSION:											
1/29/2023	-	1.1	CAD DESIGN BY:										
													
			PREPARED FOR:										
													



Right-of-way / DOT permits routinely require technical drawings of the equipment the is planned for installation on the right-of-way, to include concrete infrastructure, poles, equipment boxes, cameras, etc. The following technical drawings represents the equipment to be provided by BLS if awarded the contract.





BLS provides end-to-end services for the installation of signage and equipment. Our process includes detailed planning, installation, and verification to ensure that all components are correctly placed, operational, and crafted to meet State and local law(s).

Typical construction for each end of a school/work zone consists of a warning sign, a pole-mounted speed display sign (if on a state road, subject to DOT approval), and an Automated Speed Enforcement Camera. Locations vary depending on terrain, existing signage, vegetation, and engineering specifications. Before installation, each location will be stacked and located. The signs will typically use diamond-grade DG3 reflective sheeting. These signs are installed on the approach to the school zone and approach to the school zone, and according to state law, and regulations, of the speed reduction zone. Should the Program be canceled, BLS will be responsible for the cost of returning physical locations to their previous state.

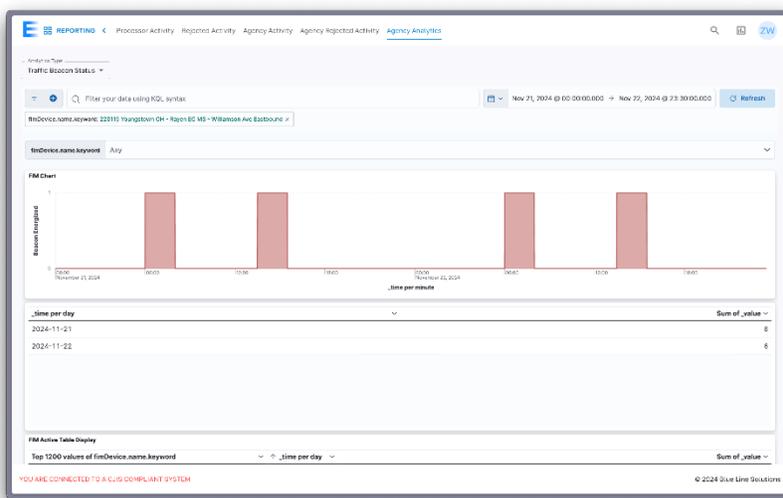
For this program, there will be two signs installed on every site and will be placed in advance of the Automated Traffic Enforcement Safety Device. All signs used will be compliant with the Manual of Uniform Traffic Control Devices (MUTCD). The location of the signs will be included in the site plan. Below are examples of the signage to be used.

FLASHER INDICATOR MODULE - VIDEO (FIM-V)

The most important component of an automated enforcement program is the violation capture and evidential chain of custody. Likewise, the most overlooked element as it relates to automated speed enforcement in school zones is proof that the flashers were flashing when the cited vehicle drove through the school zone. This issue generally arises when a violator contests a citation and attends court. The Judge often asks for proof that the flashers were operational during the time in question, and if there is none, he/she often dismisses the citation for lack of evidence.

BLS has developed a proprietary device called a Flasher Indicator Module – Video (FIM-V). The system records the operation of the school zone flashers to ensure they were operating during the violation capture. The video can be provided to the court for evidential viewing by removable media or can log into the management system with the proper credentials. The video will include:

- ✓ No physical connection to the flasher is necessary for the FIM-V to operate properly
- ✓ Can be powered by A/C or solar
- ✓ Includes a backup redundant hard drive to ensure no data loss
- ✓ The FIM-V will create a log and video file whenever flashers begin to flash and/or stop
- ✓ The evidence file will contain metadata illustrated by a graph that indicates the time the flashers began and stopped
- ✓ The video evidence can be purged based on the city policy
- ✓ Communicates via 4/5G LTE
- ✓ The video can be viewed live
- ✓ Video and metadata will include date/time stamp and all relative data



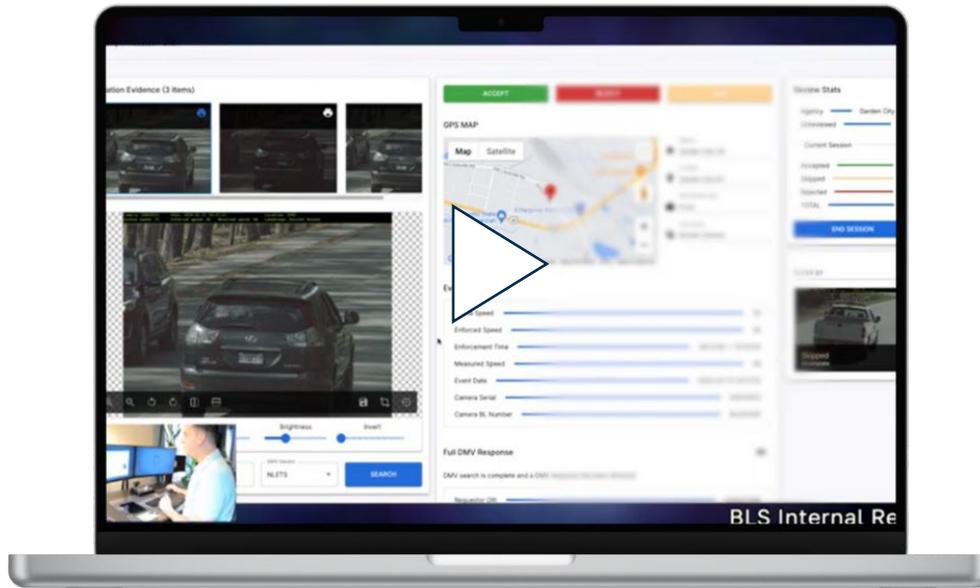
Example FIM dashboard example to see when beacon flashers are active or not



FIM V video example
(<https://youtu.be/SSU6w8Uzwoo>)

9. CITATION PROCESSING [RFP III - 9]

- a. *The Contractor will be required to accurately capture and store images, establish a chain of custody for the image medium, and process and mail citations approved by Knoxville Police Department officers for red light violations by City's policies*
 - As seen above, Blue Line's technology is superior, creating the highest level of evidence and chain of custody for the City of Knoxville to defend its program and enforcement.
- b. *The Contractor will have the capability to generate clear, easily identifiable images for the citations/violations, allowing an unbiased individual to determine fault (including extenuating circumstances).*
 - NewGuard™ is a web-based, user-friendly traffic safety platform containing multiple modules. Among those are user-friendly, violation processing, and officer approval pages. Once approved by a police officer of KPD, the citation will be printed in the mailing center of BLS in Chattanooga and mailed to the violator.



NewGuard™ approval processing video and interactive screen for approvals
(<https://youtu.be/6bkqOikea2o>)

- **IMPORTANT NOTE:** Blue Line Solutions is the ONLY company that will receive mailed citation payments with a TN address to a processing center. No other company can offer this important service to the City of Knoxville, as Blue Line Solutions is the ONLY Automated Traffic Safety Company in the United States incorporated, and operating a home office in the State of Tennessee.

- c. *Software to process, mail, and track citations and payments will be installed and fully operational.*
- NewGuard™ allows for mailing and tracking of citations and payments with ease.
 - Citations can be tracked from the point of capture by the camera, through the process of violation processing and officer approval, to printing, mailing, and delivery by the U.S. Postal Service.
 - Meticulous records are kept of all citation payment information.
 - When a citation is paid in full, the citation is closed.
 - If the City allows partial payments, and/or payment plans, BLS can manage and maintain records on behalf of the program.
- d. *Connections must be established to the Tennessee Department of Motor Vehicles and other states to obtain motor vehicle registration information. If the Contractor is unable to establish such a connection, a plan must be submitted detailing how the registration information will be obtained and generated onto the citation*
- BLS is a Strategic Partner with NLETS, the same data repository utilized by the Knoxville Police Department (KPD) when an officer runs a vehicle registration. NLETS is a branch of the FBI's NCIC system that aggregates national data for vehicle registrations. Through NLETS, BLS is able to connect directly to the Tennessee Department of Motor Vehicles to obtain vehicle registration data. Additionally, BLS houses the violation data at NOVA, an NLETS data center. This partnership ensures that the City of Knoxville has access to the most accurate, up-to-date registration data available, ensuring compliance and efficiency for law enforcement and this program.
 - BLS also utilizes other national databases, such as LexisNexis and TLO, to run vehicle registrations when needed, further ensuring comprehensive and reliable data for processing citations.
- e. *Citations will be issued in seven (7) days or less from the date of the violation. If additional enforcement of other traffic regulations are permitted by the City in the future, the Contractor will provide such additional services at the direction of the City.*
- Blue Line's internal policy dictates that violations are mailed within 3 days at the latest from the date of violation. BLS will exceed this requirement.
- f. *Warnings will be mailed in place of a citation for new intersection approaches during the first month of operation.*
- BLS will provide a warning program for each intersection/school zone for the first month as required.
 - BLS will additionally conduct a speed study during the first week of the warning program from the data collected by the LiDAR and intersection cameras. After this study is completed, BLS will provide the city with data reports that measure the effectiveness of the PI&E phase of the programs. The same data will be collected during week one of the enforcement to measure the effectiveness of the warning programs. This data will provide the City of Knoxville with a view of the safety reductions that have taken place during the warning periods. As an example, our program expects to realize a minimum of 60% reduction in speeding vehicles through school zones after the warning period. Data such as this will be provided in charts and graphics, with narrative explanations.

g. *The Knoxville Police Department will have a sworn officer assigned to review each citation prior to issuance and verify that a violation has occurred.*

- ☑ BLS will train as many officers as necessary for review and approval of citations.
- ☑ BLS will keep an open line of communication with the approving officers to ensure that violations are approved and mailed within the boundaries of Knoxville City Policy/Ordinance and state law.

h. *The Contractor will be required to describe its process of violation data and image set transfer and explain why it can be considered a secure chain of evidence.*

- ☑ Violation data is securely captured at the enforcement site by LiDAR-enabled, disk-encrypted compute devices. All event data files are encrypted using proprietary algorithms and transferred to BLS over Secure FTP. Modern best practices are enforced for network transport and rest-layer security. Additionally, BLS is CJIS compliant, and carries a SOC 2 certification.

INFORMATION REGARDING CITATION PROCESSING

The process for handling potential violations through BLS is thorough and multi-faceted. It ensures that each step, from initial detection to final resolution, is conducted with precision and in compliance with legal standards.

The journey of a potential violation begins with Blue Line's rigorous event review process. This initial review is conducted manually, by professional BLS citation processors, to verify the legitimacy of the violation. Following this, a secure and detailed DMV lookup and a second verification are performed to match the vehicle in the photo images with the correct registered owner. This process leverages NLETS, the International Justice and Public Safety Network, to access owner data from 48 states and Washington D.C., boasting an impressive success rate of over 90% in owner lookups over the past decade.

Once a potential violation is confirmed, it is forwarded to the City for verification and approval. Upon the City's approval, BLS formalizes the citation in line with Tennessee Code, including all necessary documentation and imagery captured by the enforcement systems. Each violator is assigned a unique case number and PIN for online review of the details. This workflow is illustrated above.

Our meticulous process extends to ensuring accuracy of the mailing addresses for the citations, utilizing the United States Postal Service (USPS) and the National Change of Address database to update any outdated information. The NewGuard™ system meticulously tracks all citation notices, with a second notice being sent to address non-responses, all within the legally specified time limits.

The preparation, printing, and mailing of citations adhere to strict standards, including compliance with Tennessee Court requirements and the City's approved formats. Each citation includes three high-quality digital images to substantiate the violation, along with all necessary legal and payment information. Warnings are issued in the first month to ease the transition of newly installed systems.

Blue Line's commitment to due process is evident in the automated tracking and management of violations within the NewGuard™ system. This ensures that follow-up notices are accurately dispatched, keeping violators informed and facilitating the resolution of each case, whether through payment or legal proceedings. This comprehensive approach underscores Blue Line's dedication to upholding the integrity of the traffic enforcement process and supporting the City's efforts to maintain public safety and compliance.

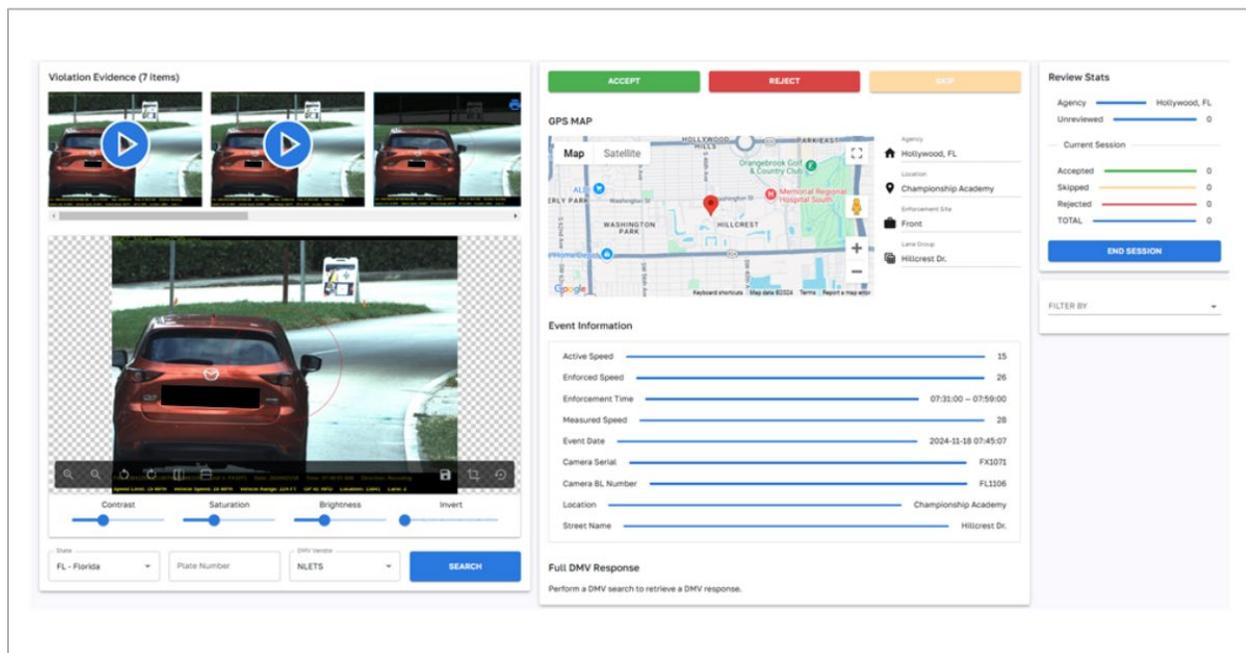
After violation approval by an authorized officer of the jurisdiction, a first notice will be mailed to the registration address within 5 days. As required/requested by the city, all notices will contain a brochure with instructions and information on the following:

- How to pay the citation
- How to contest the citation
- How to view images online
- Consequences for non-payment
- Consequences for not filing to contest in a timely manner as prescribed by law
- Any other information required/requested by the city

A second and final notice can also be mailed in keeping with the timelines laid out by state law/City Ordinance, or requirements of this RFP. Additionally, BLS will maintain and destroy any recorded video or photograph obtained through the Systems pursuant to state laws and the Police Department's records retention policy.

BLS will supply, install, and maintain our integrated software solutions for citation approval, video review, and "hot list" data management. ***Our software seamlessly merges automated license plate reader data with the current ALPR database, providing a comprehensive platform for managing violations and traffic data.*** The system is programmable for school calendars, enforcement times, and variable speed thresholds, allowing for flexible and responsive management.

All software utilized to process citations, track data, payments, etc., is developed in Chattanooga, TN. The data is stored at the NLETS (National Law Enforcement Telecommunications System) facility in Phoenix, Arizona, in their data center, known as NOVA. Blue Line Solutions is CJIS (Criminal Justice Information System) compliant and adheres to all cyber security protocols as required by NLETS & CJIS.

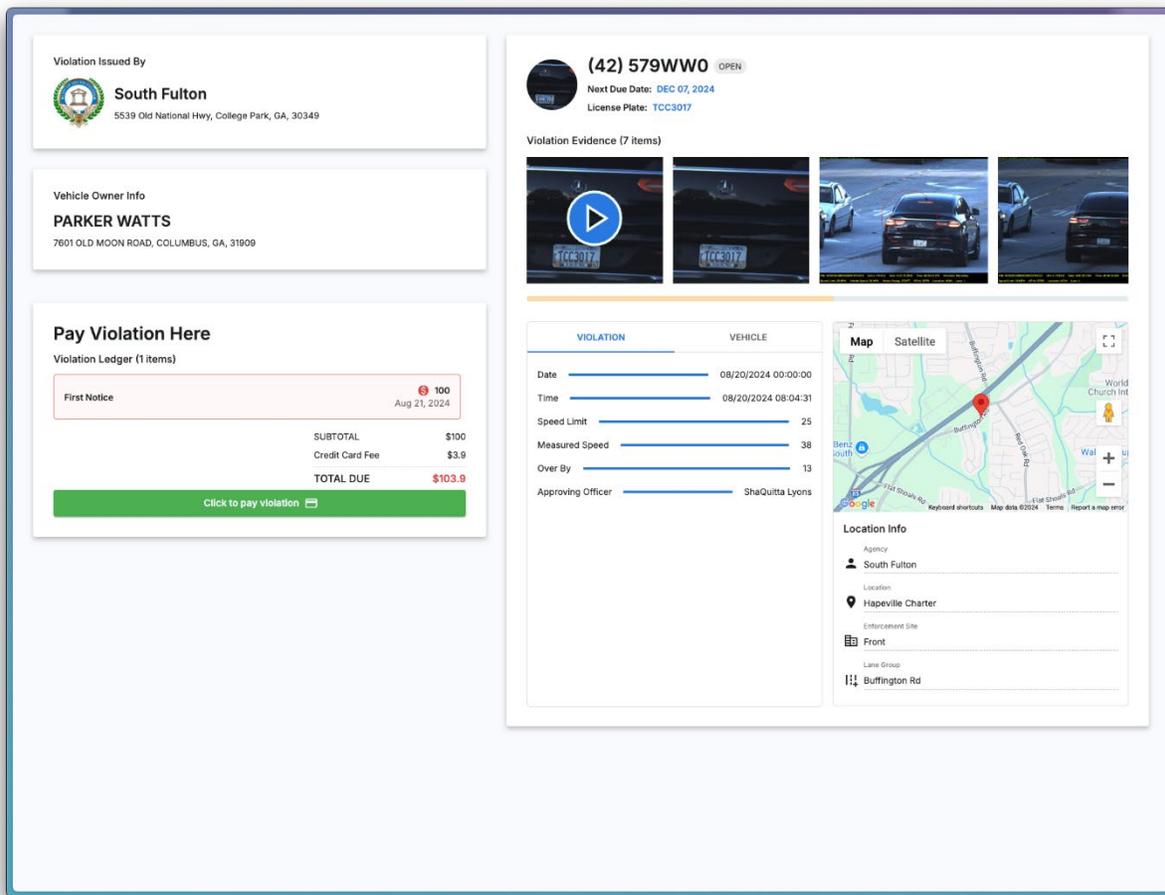


Approval interface in NewGuard™ -- Test Screen (CJI Data, Not Actual)

Following each trigger event (violation capture) an evidence package comprising video, audio, noise levels and license plate information is automatically sent to our secure web server in real-time. The user can then review each event and check the data before acting. The system API can be programmed to interface with the customer's existing front end and hence integrated with other camera enforcement technology operated by that jurisdiction.

Our primary aim is to ensure that individuals who receive a Notice of Violation are fully equipped with all the necessary details to acknowledge the notice promptly. This includes all information required by Tennessee codes providing comprehensive information about the violation, clear evidence of its occurrence, and a range of convenient payment methods such as online, phone, or mail options. To achieve this, BLS ensures that each Notice of Violation is straightforward and user-friendly. These notices prominently feature the police department's logo and furnish all essential details about the infraction, including photographic evidence, pertinent data, and the recorded speed.

Additionally, for further clarity and verification, we include a link that allows violators to view both the incident and an accompanying video snippet online. This approach is designed to make the process as transparent and accessible as possible, facilitating a better understanding and response from the recipients of the Notices of Violation.



Example payment screen that violators will see from their link on NewGuard™

At such a time as a violation is approved as valid by an authorized officer of the jurisdiction, a first notice is mailed to the registered owner of the vehicle address. This first notice contains instructions and information on Payment Options, Contesting the citation or requesting a hearing, viewing images online, and the consequences for non-payment or failing to file a timely contest.

NewGuard™ is designed to provide a secure and efficient method for municipal users to manage violation data, employing a system that emphasizes individualized access and robust security measures. Upon accessing NewGuard™, users are required to enter a unique login and password, ensuring that each user's identity is authenticated. The system assigns specific "User Roles" based on the user's position and function within the municipality, allowing for a customized access level tailored to each user's responsibilities. This role-based access control is further complemented by a set of pre-established entitlements dictated by the City's directives, which define the viewing privileges and functionalities available to each user.

The system is built with a strong focus on auditability and traceability, allowing for any modifications, calls, or notes made within the NewGuard™ environment to be meticulously tracked and traced back to the individual user. This ensures a high level of accountability and integrity in the handling of sensitive information.

Security is a paramount concern, and NewGuard™ addresses this by not only offering standard authentication methods, such as username/password and digital certificates, but also providing an optional Two Factor Authentication mechanism for municipalities seeking an additional layer of security. This advanced feature combines something the user knows (their username and password) with something the user has (a one-time password generated from a USB key fob), significantly enhancing the security framework, especially for police reviewing processes.

Once logged in, authorized municipal users are presented with a comprehensive overview of violation data, including detailed information such as violation numbers, incident dates and times, multiple vehicle images, license plate numbers, registered owners' information, and the status of violations. This data, encrypted at the capture site for security, is decrypted upon its arrival at the BLS headquarters in Chattanooga, TN, and seamlessly integrated into NewGuard™, ready for review. This end-to-end secure and user-specific approach ensures that NewGuard™ is a highly reliable system for managing municipal violation data.

The approving officer may choose to skip, approve, or reject the violation. Rejected violations require a specified reason and are scheduled for deletion. Approved violations have consequences applied and are scheduled for printing and mailing out. Below you will find the user interface for the BLS NewGuard™ system.

Valid violations are queued for printing and mailing. Violations are printed, folded, placed in envelopes, and stamped within a secure, BLS owned/operated mail facility. USPS collects and delivers the citations via first-class mail to the registered vehicle owners. The Blue Line Solutions mailing facility is regularly audited by NLETS for CJIS compliance.

A second and final notice can also be mailed in keeping with the timelines laid out in Tennessee law. The violator will pay a processing fee for each credit/debit card-based transaction used for violation payment. There is no charge for payment by check or money order. Additionally, BLS

will maintain and destroy any recorded video or photograph obtained through the systems pursuant to state and local laws and the police department's records retention policy.

For violators that wish to pay their citation in person, BLS plans to implement a regional office. This centers' employees are highly trained in customer satisfaction and support.

Example of Citation Front



**SODDY-DAISY, TN
POLICE DEPARTMENT
C/O PHOTO SPEED VIOLATION
PROCESSING CENTER
PO BOX 19207
CHATTANOOGA, TN 37416**

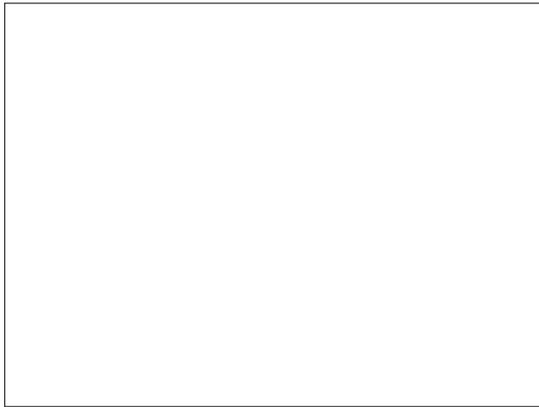
Registered Owner:

NOTICE OF VIOLATION

Violation Number
Violation PIN
Notice of Violation Information
Due Date: Amount Due >>

Please take notice that the vehicle described and pictured herein was photographed violating public safety by exceeding the speed limit in a school zone. Therefore, under Tennessee Code Annotated § 55-8-198, as the registered owner(s) or lessee, you are liable for the Civil Monetary Penalty. No points will be assessed against your driver's license. Information about how to contest or file an affidavit to disclaim liability is on the reverse. **WARNING:** Failure to pay the Civil Monetary Penalty or to contest in a timely manner shall waive any right to contest liability. Please call 1-855-252-0086 regarding payment.

ON (DATE)	AT TIME	LOCATION OF VIOLATION AND SYSTEM	
ISSUE DATE		DUE DATE	
NAME			
STREET ADDRESS			
CITY	STATE	ZIP CODE	
VEHICLE YEAR	VEHICLE MAKE		
VEHICLE LICENSE PLATE NUMBER	STATE		
Based upon inspection of photographically recorded images, the owner's motor vehicle was operated in disregard or disobedience of the speed limit in the marked school zone and that such disregard or disobedience was not otherwise authorized by law.			
IN VIOLATION OF: Tennessee Code Annotated § 55-8-198	POSTED SPEED	DETECTED SPEED	
I am a certified peace officer employed by a law enforcement agency authorized to enforce the speed limit of the school zone. Based upon inspection of photographically recorded images, the owner's motor vehicle was operated in disregard or disobedience of the speed limit in the marked school zone and that such disregard or disobedience was not authorized by law.			
SWORN TO OR AFFIRMED BY REVIEWING OFFICER	SIGNATURE	DATE	BADGE #



*** Please return this portion with your payment ***

Please check box if address is incorrect or has changed, and indicate change(s) above.

**SODDY-DAISY, TN
POLICE DEPARTMENT
C/O PHOTO SPEED VIOLATION
PROCESSING CENTER
PO BOX 19207
CHATTANOOGA, TN 37416**

For frequently asked questions and/or to make a payment, please visit:
WWW.VIOLATIONPAYMENT.NET
Use your Violation Number and Pin Number to logon

ACCEPTED CREDIT/DEBIT CARDS

IF PAYING BY PHONE
Please call: **1-855-252-0086** **TOLL FREE**
\$5.90 CHARGE ADDED TO ALL CREDIT/DEBIT CARD PAYMENTS

If paying by check, please make check or money order payable to
THE CITY OF SODDY-DAISY, TN
Payments will not be accepted at Soddy-Daisy City Hall
Do not mail cash or credit/debit card information.
Enclose remittance slip and check.

Violation DATE	PAY THIS AMOUNT	Violation #
PAY BY:		AMOUNT PAID \$

Example of Citation Back

WARNING: Failure to pay the Civil Monetary Penalty, or failure to contest liability within 30 days of the issue date listed on the front of this violation waives your right to contest. Failure to exercise one of the options prescribed is deemed to be an admission of liability and waiver of the opportunity to contest the violation. If paid by the due date, the fine is \$50.00. If paid late, a late fee of \$50.00 will be assessed (Please see front for exact amount). Additional fees or court costs that may be assessed if the fine is not paid timely or if the violation is contested and the person is convicted or found guilty of the offense.

This violation is NOT considered a moving violation. Non-payment of this violation cannot adversely affect your credit score report, driver's license, and/or automobile insurance rates. This violation is deemed NONCRIMINAL and will not be made a part of your operating record.

A. ACCESSING YOUR RECORDS: You may pay this violation, view additional images, or obtain forms to contest the violation or transfer liability by visiting www.violationpayment.net. You will need your Violation Number and Violation PIN (found on the front of the violation).

B. PAYMENT OPTIONS: all payments made by using a credit/debit card will incur a \$5.90 transaction fee.
All returned checks will incur a \$25 NSF fee, plus an additional \$11.81 bank fee.

1. **Online payments:** visit www.violationpayment.net or scan the QR code on the front of this violation. Log in using the Violation Number and Violation PIN (found in the red box on the front of this violation). Click "Pay"
2. **Pay by Phone:** Available Monday through Friday, 9:00 a.m. to 5:00 p.m. EST. Call 1-855-252-0086
3. **Pay by Mail:** Check or Money Order Only, made payable to the City of Soddy-Daisy, TN
Mail your check with the payment slip on the front of this form to:

Soddy-Daisy, TN Police Department
C/O Photo Speed Violation
Payment Processing Center
PO Box 19207
Chattanooga, TN 37416

C. CONTESTING: You may contest the violation by filing a written request for an administrative hearing. You must request a hearing within 30 days of the issue date listed on the front of the violation.

1. Visit www.violationpayment.net
2. Click "Contest Your Citation"
3. Select "Soddy-Daisy, TN Court Hearing Request Form"
4. Complete the Hearing Request Form email, mail or fax it to the location specified on the form. Notification of a hearing date will be provided to you via first class mail. **Please be advised a court cost of \$68.75 may be assessed to you.**

D. NOT DRIVING VEHICLE: Submit an affidavit stating the name and address of the person or entity that leased, rented or otherwise had care, custody or control of the motor vehicle at the time of the violation.

1. Visit www.violationpayment.net
2. Click "Transfer Citation"
3. Select "Soddy Daisy, TN Transfer of Liability Form"
4. Complete the form identifying the name and address of the person who was operating the vehicle at the time of the alleged violation. **This form MUST be notarized, and all fields on the form must be complete.** Send by mail, fax, or email to the location specified on the form.

E. STOLEN VEHICLE OR TAG: If a motor vehicle or its plates were stolen at the time of the alleged violation, the registered owner must provide an affidavit denying the owner was an operator and provide a certified copy of the police report reflecting such theft. An affidavit alleging theft of a motor vehicle, or its plates must be provided by the registered owner of a vehicle receiving a notice of violation within thirty (30) days of the mailing date of the notice of violation.

Note - if you do not have access to a printer, email or fax, please call our processing center at 1-855- 252-0086

Above is an example of a BLS citation that provides proof, report summary and payment instructions.

SPEED IMAGING/VIDEO CAPTURE

All speeding citations will contain visible images, that will include a RED CIRCLE referred to as the “reticle”. This reticle represents the LiDAR/laser beam, that is placed in the lane of travel. As the vehicle drives through the reticle/LiDAR, the LiDAR captures the speed of the vehicle and the distance the vehicle is from the LiDAR unit as the vehicle moves through the LiDAR/laser beam.



Example photo of violator vehicle as seen in approval process and payment screens

The white arrow pointing to the red circle illustrates the “reticle”, identifying where and how the vehicle traveled through the LiDAR/laser beam. This eliminates the possibility that the LiDAR captured the speed of any other vehicle than the one that traveled through the beam. This method of speed capture has been utilized by officers with handheld LiDAR for decades and is the MOST defensible form of automated speed enforcement technology on the market.

The system also captures a video of the vehicle traveling through the LiDAR/laser beam. Click [HERE](#) to see an example.



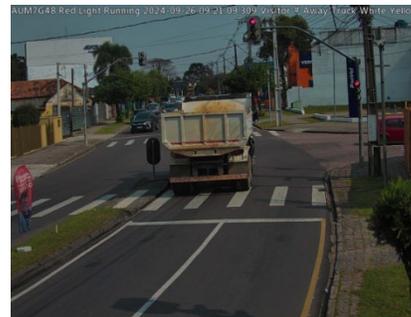
Video of BLS' DragonEye ASE camera in action
<https://youtu.be/kzm0lhwm1w>

Multiple images and a video are captured during each violation and can be viewed by the violator when they log in to a website to view/pay for their violation, as well as the Court Clerk, Judge, or anyone else associated with the City program with proper credentials.

RED-LIGHT IMAGING/VIDEO CAPTURE

BLS's Red Light Enforcement System (RLES) is a video-based solution employing advanced AI and image processing to automatically detect red light violations. The system captures high-resolution video and still images of vehicles that run red lights, providing clear and reliable evidence for enforcement. Our solution's key features include:

- ✓ **Advanced Detection Capabilities:** AI-driven algorithms analyze the vehicle's position relative to the stop bar and red light, ensuring accurate violation capture.
- ✓ **High-Resolution Cameras:** Capture 30 days or more of video data with sensitivity for various lighting and weather conditions.
- ✓ **Non-Intrusive Installation:** Cameras and sensors are installed without disrupting roadways, avoiding the need for pavement cuts, and enabling faster deployment.
- ✓ **All-in-One Design:** A compact cabinet houses the entire system, simplifying maintenance and reducing costs.
- ✓ **Web-Based Processing:** Integrated citation management software allows secure access for city officials to review and process violations in NewGuard™ (same system as our Automated Speed Enforcement



Vehicle traveling through RLES as captured in a violation.

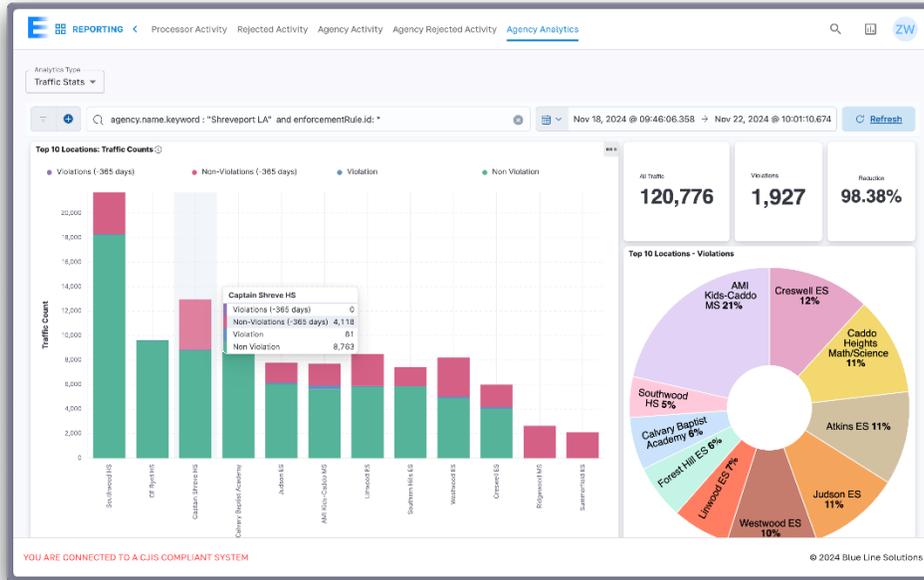
system).

10. STATISTICAL ANALYSIS AND REPORTING SYSTEM [RFP III – 10]

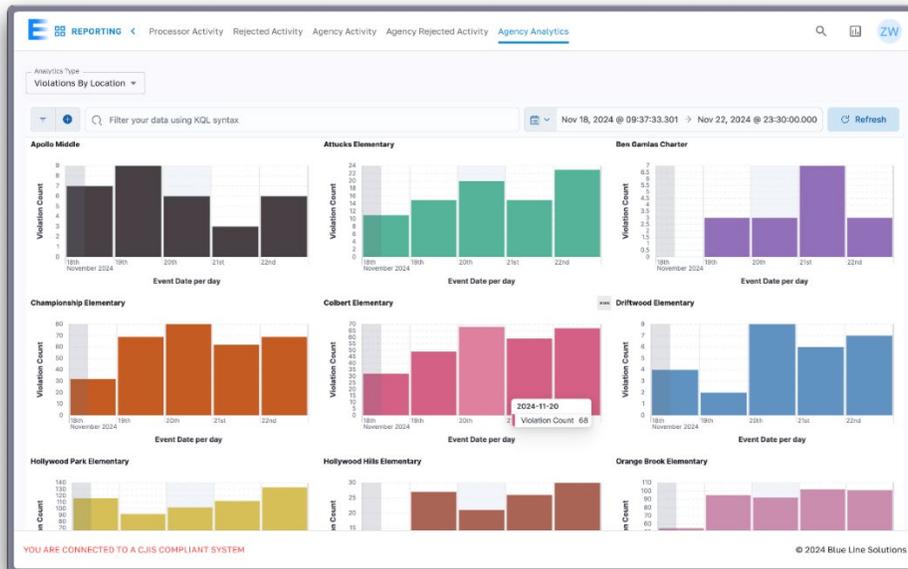
- a. *Systems with the capacity to produce statistical analysis of camera operations will be preferred, including at minimum, hours of use per camera by operational site, results achieved by each camera by site, offenses recorded by site, equipment malfunctions, status of notices issued (outstanding, cancelled, reissued, etc.), real time traffic volume and vehicle counts, real time violation information by individual lane by time of day and day of week.*
- ☑ The BLS system is fully capable of analyzing results obtained from each camera location to show the prosecutable image rate. Our proposed system will produce a statistical analysis of camera operations to the City of Knoxville. This analysis will provide all data requested in the RFP, plus additional relevant information..
 - ☑ Blue Line's program is built upon data collection and analytics, we know the only way to determine if a program is successful is through data collection and aggregation. For this reason, BLS will provide the agency with a customizable dashboard through which the user can run many reports including but not limited to data regarding:
 - Traffic data
 - Camera data
 - Camera specific
 - Lane specific
 - Road specific
 - Speed Zone Specific
 - Intersection Specific
 - Direction of Travel Specific
 - Violations by site
 - Equipment malfunctions
 - Service reports
 - Calibration reports
 - Citation Information
 - All data from capture to disposition
 - Real-time traffic data
 - Volume
 - Violations
 - ☑ NewGuard™ provides a dashboard that can be customized for the individual user. Reports and graphs can be run using easy-to-understand filters.
 - NewGuard™ separates the data into two distinct data sets
 - **Pre-Processed** – This is data that has been uploaded from the cameras, but not yet processed/approved to a violation. This raw data does not change, as it is uploaded directly from the camera.
 - **Post-Processed** – This is the data that has undergone processing and agency approval. This data set will change vs. the Pre-processed data, as this would include violations that were spoiled (not approved by the officer), tag not visible due to obstructions, etc.

- ☑ Data from either set can be run to calculate seemingly endless types of data reports and statistics.

Post Implementation Speed Study Dashboard (An analytics dashboard, showing number of violation and non-violation traffic events observed during an enforcement time frame. Includes metrics to show the “reduction rate”, as well as a breakdown of violations by location in an easy-to-interpret pie chart)



Example speed study dashboard for viewing localized citations and statistics



Example speed study dashboard for viewing citations over time by location

b. Preference will be given to systems which can analyze results obtained from each camera location to show the prosecutable image rate.

☑ NewGuard™ can provide data from each camera location in multiple ways for analysis of the intersection, school zone, or noise ordinances. Data can be analyzed by the filters including, but not limited to the following:

- City
- School
- Street
- Lane
- Direction
- Camera

☑ **Violation Details Screen** (shows an example of the screen an officer might see if they are reviewing a violation that was issued, to include the violation's history, violation details, media, payment status, any comments associated, violator details, and other data)

Violation Issued By
 Tallulah Falls, GA
 255 Main ST, Tallulah Falls, GA, 30573

Vehicle Owner Info
CARSON HOLMES
 7601 OLD MOON ROAD, COLUMBUS, GA, 31909

VIOLATION | RESIDENCE | CARS

1 VIOLATION

YH59PT Closed
 Sep 11, 2023 – about 1 year ago

Comments (0 total)

Comment

There are no comments.

(6) YH59PT CLOSED NEWGUARD
 Next Due Date: NOV 21, 2023
 License Plate: YGX372

Void | Pause Aging | Schedule Hearing | Reprint Document | Re-Issue | Transfer | Re-Open

Cancel Collections

Violation Evidence (4 Items)

VIOLATION | VEHICLE | HISTORY

Date	09/11/2023 00:00:00
Time	09/11/2023 11:26:39
Age	435
Speed Limit	45
Measured Speed	62
Over By	17
Reviewing User	Kenny Bonner
Approving Officer	Tonya Elrod

Location Info

Agency
 Tallulah Falls, GA

Location
 Tallulah Falls School

Example violations detail dashboard (CJI Data, Not Actual)

- c. *Contractor will provide City with a monthly activity report within ten (10) days following the end of the month.*
 - An activity and revenue report will be provided within 10 days following the end of the month.
- d. *The monthly report will provide the following:*
 - i. *The number of events detected, citations issued, and prosecutable image rate by location and in total;*
 - ii. *The total number and percentage of rejected images by reason;*
 - iii. *Monthly financial reports detailing monies collected by citation number.*
 - BLS will provide a monthly report including the above-required data but will also include many more data points for the program.
- e. *Contractor shall be able to provide an audit trail of all voided and discarded images.*
 - A complete audit trail is maintained on every image captured throughout the processing and officer approval process, to delivery of the citation by USPS.
 - In the event that violations are marked as an exception during BLS violation processing, or spoiled by an officer of KPD during the approval process, audit trails are maintained of each.

11. TRAINING SUPPORT [RFP III – 11]

- a. *Contractor shall offer ongoing training support for their product subject to mutual agreement*
 - As outlined in this proposal, BLS will provide ongoing training support for the project based on mutual agreement. To ensure agency personnel are fully equipped to approve citations and utilize reporting tools effectively, BLS offers comprehensive training sessions. Additional training sessions for new or existing agency members can be scheduled at any time, free of charge.
- b. *Hands-on training will be provided for the initial training. The City will determine the class size based on the number of staff who need training. Additional training would be available at a cost to the City of Knoxville and the pricing section should provide this cost.*
 - BLS will provide hands-on training prior to the program's launch to ensure agency members are fully prepared to operate the system. BLS will work with KPD to schedule training and determine dates and times based on officer's working shifts. BLS understands that 2 or more training classes may be necessary to train all officers selected by the city. Additionally, ongoing training will be available at no cost to the City of Knoxville
- c. *Contractor will furnish all training materials and manuals and will provide, as needed, additional manuals/electronic access for City staff hired during the term of the contract at no additional cost.*
 - BLS will furnish all applicable training materials and manuals, either printed or electronic, at no cost throughout the contract.

12. PURCHASING OF EQUIPMENT [RFP III – 12]

BLS has sufficient financial resources to provide equipment approved by the City, to monitor signals approaches, speed zones, and noise. All equipment will remain the property of the BLS (unless otherwise agreed to through the contracting process).

- a. *System must be modular in construction that will facilitate easy installation and maintenance.*
 - All equipment installed for red light, speed, and noise ordinance enforcement will be modular and easily assessable for maintenance and repair. Maintenance and installation of our systems are deployed without interrupting traffic flow.
- b. *Contractor shall provide and install all equipment including but not limited to poles, cabinets, cameras, and related equipment at each location.*
 - BLS recognizes that the company is responsible for the installation of all equipment, including poles, cabinets, cameras, and related equipment. All installations will be completed as per the site plans that were permitted and approved by the City of Knoxville.
- c. *System may require detection equipment technology that is cut into or embedded in the road surface but should be least invasive as possible.*
 - BLS does not foresee a need to cut into or embed any technology in the road surfaces to comply with the City of Knoxville requirements. However, BLS will ensure all equipment installed as part of the program will not be invasive.

13. AUTOMATED TRAFFIC SIGNAL CAMERA ENFORCEMENT [RFP III – 13]

Blue Line recognizes the specifications as listed and proposed locations in the RFP relative to Automated Red-Light Enforcement.

- a. *As stated in the RFP: A desirable system will incorporate, but not be limited to, many of the following features: multiple digital still photographs to include rear scene images, rear plate images, digital video, internet review, and approval (both for officer approval and violator review), the availability to select from several triggering options to include induction loops (although non-intrusive systems will be preferred), and the capability to issue citations related to red light violations associated with straight through, left turn, double left-turn and right-hand turning movements at intersections marked “No Turn on Red.” The City is anticipating the traffic signal photo enforcement program will include up to 30 intersections, with approaches to vary depending on the intersection, and up to 4 approaches per intersection.*

Blue Line’s NewGuard™ Traffic Camera Enforcement program provides:

- ✓ **Multiple digital still photographs to include rear event images:** 2 overview images (one showing the vehicle approaching the crossing and another showing the vehicle in the conflicting area of the crossing. Both images will show the traffic light status.
- ✓ **Rear plate images:** 1 image will enable image zooming to view the vehicle and license plate.
- ✓ **Digital video:** Our solution will show the entire vehicle's movement.
- ✓ **Review and approval** (both for officer approval and violator review): Our solution will provide violators with access to the citation via the internet. Officer approvals will also provide the requisite images and video for adjudication.
- ✓ **Non-intrusive systems:** BLS solution does not require any installation or integration with the City of Knoxville's traffic light system. This enables for a quick and simple integration and avoids other approvals required for implementation.
- ✓ **Red light violation options:** Capability to issue citations related to red light violations associated with straight through, left turn, double left-turn and right-hand turning movements at intersections marked "No Turn on Red."
- ✓ **Multi-lane enforcement:** Our solution can be used in many lane configurations and is not limited to 4 lane approaches.



Vehicle running a red light as captured on our cameras



Close up photo of violator license plate (redacted) as captured by our cameras

b. The Traffic Signal Enforcement Program involves the monitoring of up to 30 intersections specified by the City.

The City expects the contractor to implement a fully operational program within 60 days from receipt of the "notice to proceed," for the City's pre-existing functional camera intersections, and within another 90 days for each new intersection identified by the City for camera implementation. The City will have the right, at its sole discretion, to add, delete, or revise any Services to meet its changing needs at no cost.

- ✓ BLS will work with the city through permitting and installation upon award of the contract in an expedited manner.
- ✓ BLS will work with existing infrastructure for the currently installed systems to ensure compliance with the installation guidelines and timelines.
- ✓ BLS will work with Traffic Engineering and the appropriate permitting department for permits of new locations and will ensure installation within the timelines as established by the city.

Blue Line's dedication to reducing crashes, injuries, and fatalities is evidenced by its ever-growing technology, providing more efficient and effective ways for law enforcement to conduct traffic enforcement through their use as force multipliers.

BLS will use a camera, powered by advanced AI-based software, that revolutionizes the way red light camera violations are detected and processed. The AI software embedded in the system delivers unparalleled accuracy and efficiency by leveraging real-time data analysis, ensuring that every traffic violation is captured with precision. Our AI algorithms not only identify red light violations but also accurately detect vehicle speed, behavior, and traffic light status, reducing false positives and ensuring reliable enforcement.

With its high-performance AI chip and signal processing, the system captures violations in multiple lanes simultaneously and processes data instantly. The intelligent image processing software enhances the clarity of images, even in adverse weather or low-light conditions, ensuring high-quality evidence. The AI-enabled system also automates the retrieval and categorization of violations, providing law enforcement with easily accessible, time-stamped, and geolocated evidence. Additionally, the system supports real-time video streaming and immediate data transmission to control centers, allowing for swift action and response to traffic violations.



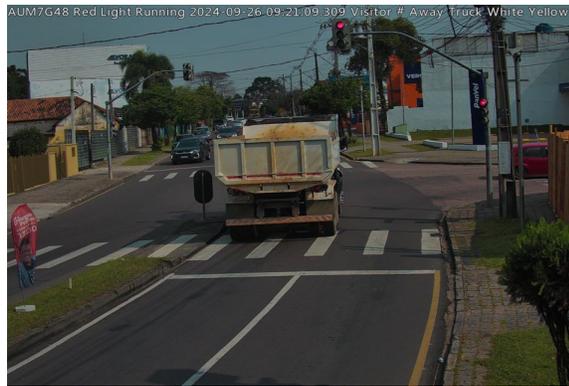
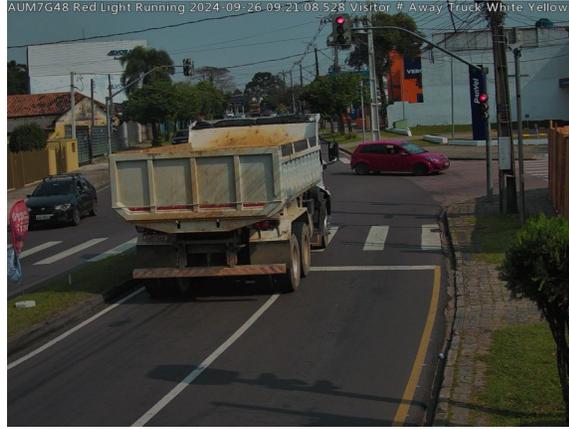
Visual of our red-light camera

Red Light Violation Detection:

- ✓ Capture Rate: 99%
- ✓ Plate Recognition Rate: 98%

The AI's ability to consistently deliver accurate, high-resolution images and video, coupled with Edge AI processing at the camera level, results in faster decision-making, ensuring that law enforcement receives the most precise and efficient evidence possible. This not only enhances road safety but also increases the reliability and effectiveness of traffic enforcement.

Daytime Images

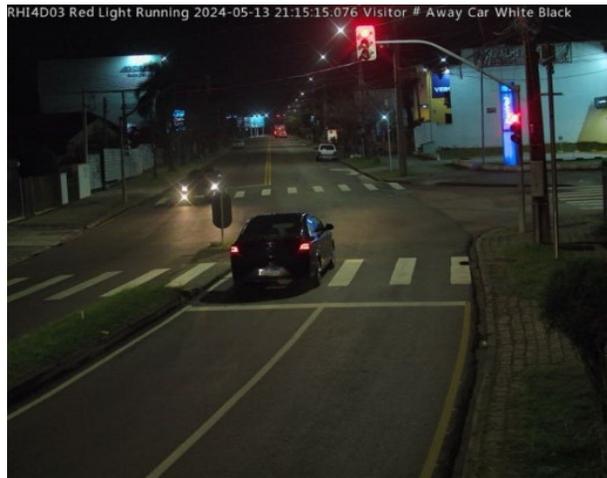


Examples of video stills from a red light violation that resulted in a near miss with a dump truck.



Red light camera video of a near miss between a car and dump truck as captured on our cameras
(<https://youtu.be/AT4H85BAHd0>)

Nighttime Images



Examples of nighttime images captured by BLS' LiDAR cameras

Nighttime Rain Images



Examples of nighttime rain images captured by BLS' LiDAR cameras

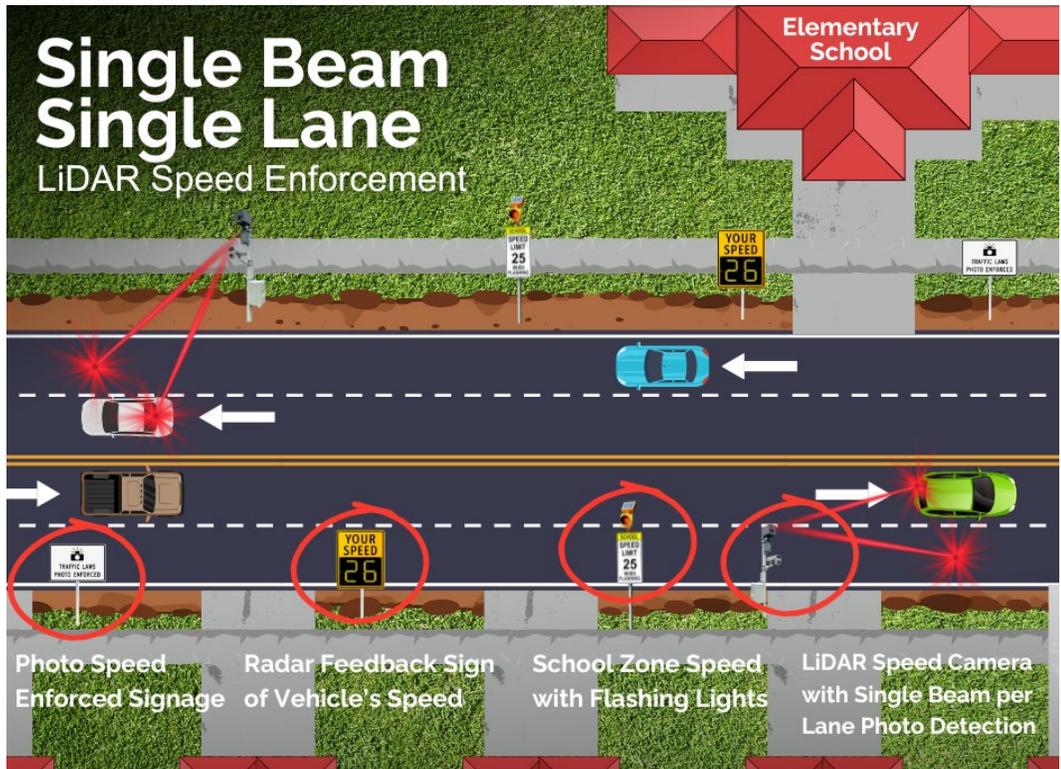


Truck driving through AI reticle of our red-light cameras
(<https://youtu.be/VLisrZp97u0>)

14. AUTOMATED SCHOOL ZONE SPEED ENFORCEMENT PROGRAM [RFP III – 13]

Blue Line’s LiDAR emits a single beam to a point on the roadway capturing 600 data points per second as the vehicle travels through the laser.

Single beam LiDAR provides more data points than any other system by which to calculate speed accurately. By this process, our technology captures only one vehicle, per lane at a time, precisely pinpointing not only *which* vehicle it captured but also where the vehicle traveled through the laser.



- TECHNOLOGY**
- Single Beam Single Lane Enforcement
 - One LIDAR per lane
 - One Camera per lane
 - The car DRIVES through the laser/LIDAR beam
 - 99.9% accuracy of speed calculation
 - Single beam LIDAR enforcement has been used and upheld by courts for decades
 - Most court defensible technology
- TRANSPARENCY**
- Transparent signage
 - Radar Feedback Signs that display the vehicle speed prior to entering the school zone
 - Updated flashers
 - Flasher Indicator Module (FIM) to verify school zone flashers were flashing during violation occurrence)

Example layout of a speed zone safety program in a school zone

The LiDAR/laser beam is placed in the center of each travel lane, requiring all vehicles to travel through the beam. As the vehicle travels through the beam the LiDAR captures the speed of the vehicle. This technology is superior in that:

- ✓ It is the most defensible technology in court, having decades of case law upholding it.
- ✓ Easy to verify that the photo taken is the same vehicle for which the speed was measured
 - Reticle is easily identifiable
 - Easy to verify that the system did not capture the car behind, in front, or behind the vehicle that was cited
 - The laser beam does not move, ensuring accuracy

- Same LiDAR sensor that is on NHTSA's Conforming Product List (CPL), used by police officers for years.

Our speed detection camera systems are designed to handle multi-lane roads by identifying specific vehicles and lanes within high traffic volumes. We provide detailed traffic data, including speed and volume metrics, which are essential for understanding traffic patterns and optimizing enforcement strategies. Consistency is the key to a successful speed enforcement program. As evidenced by the speed reduction statistics from all BLS programs, ***we strive to create a standard deployment for every school and work zone within your district.*** Below is the outline of the plan as well as the requirements and steps required to achieve success.

By design, BLS will use the same proposed automated school zone enforcement system for every school required within the City of Knoxville and all will meet or exceed all requirements outlined in the RFP. Our team is skilled in deploying ***the latest technology in speed enforcement,*** including high-definition motion picture cameras and automated license plate readers (ALPRs), to ensure precise and reliable operation.

Our company will provide a system inclusive of both fixed and portable speed zone enforcement cameras, capable of monitoring up to six lanes of traffic.

IMAGES AND CAMERA TECHNOLOGY

BLS Technology is designed, built, and manufactured in Atlanta, Georgia. All equipment is NDAA compliant, and follows a “zero touch” policy, requiring zero interaction or connection with city/ county owned and maintained infrastructure. All equipment is full self-sufficient, and completely maintained by BLS.



BLS' Technology, combats plate glare in inclement weather by taking a series of under and over-exposed images at the time of violation event capture, ensuring that both vehicle make and model and license plate information can always be legibly read. This advanced vari-exposure technology allows for crisp, high-definition imagery to be captured for every single violation event.

BLS Technology comes equipped by default with the ability to create a short playable video clip of every violation witnessed. In addition, although not a standard deployment, BLS technology can be equipped with a secondary camera that will capture a wide-angle view of every violation, helping provide even more context for the violation.

Example of BLS' AI image capture and identification technology.



15. AUTOMATED NOISE ENFORCEMENT PROGRAM [RFP III - 14]

BLS has partnered with Intelligent Instruments, the company that provided The City of Knoxville with the current noise enforcement pilot program. BLS will work closely with Intelligent Instruments to ensure seamless delivery of data and overall operation.

SoundVue™ utilizes a Class 1 accuracy microphone (certified in accordance with EIC 61672-1:2013) to detect excess noise from road vehicles. The system listens continuously and triggers noise from engines, horns, music, and Jake brakes. When it triggers it uses secondary microphones to identify the offending vehicle (even if there are multiple vehicles in the images) and LPR cameras read the license plate of the offending vehicle. A 14-second clip of video, audio, and noise level is uploaded to a secure webserver providing an evidence pack for interrogation by the user who can then decide on the appropriate course of action. BLS will provide equipment and additional information and services to include:

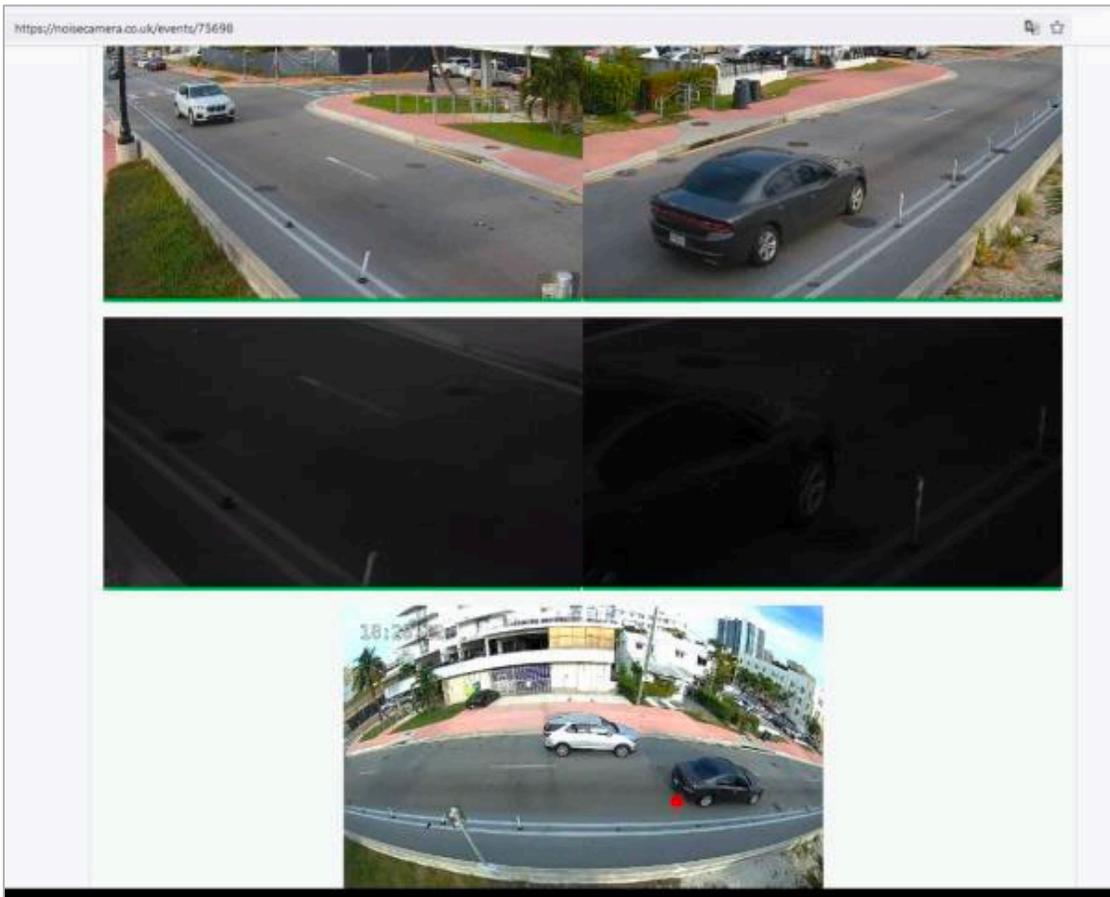


SoundVue™ device that captures and measures noise disturbances]

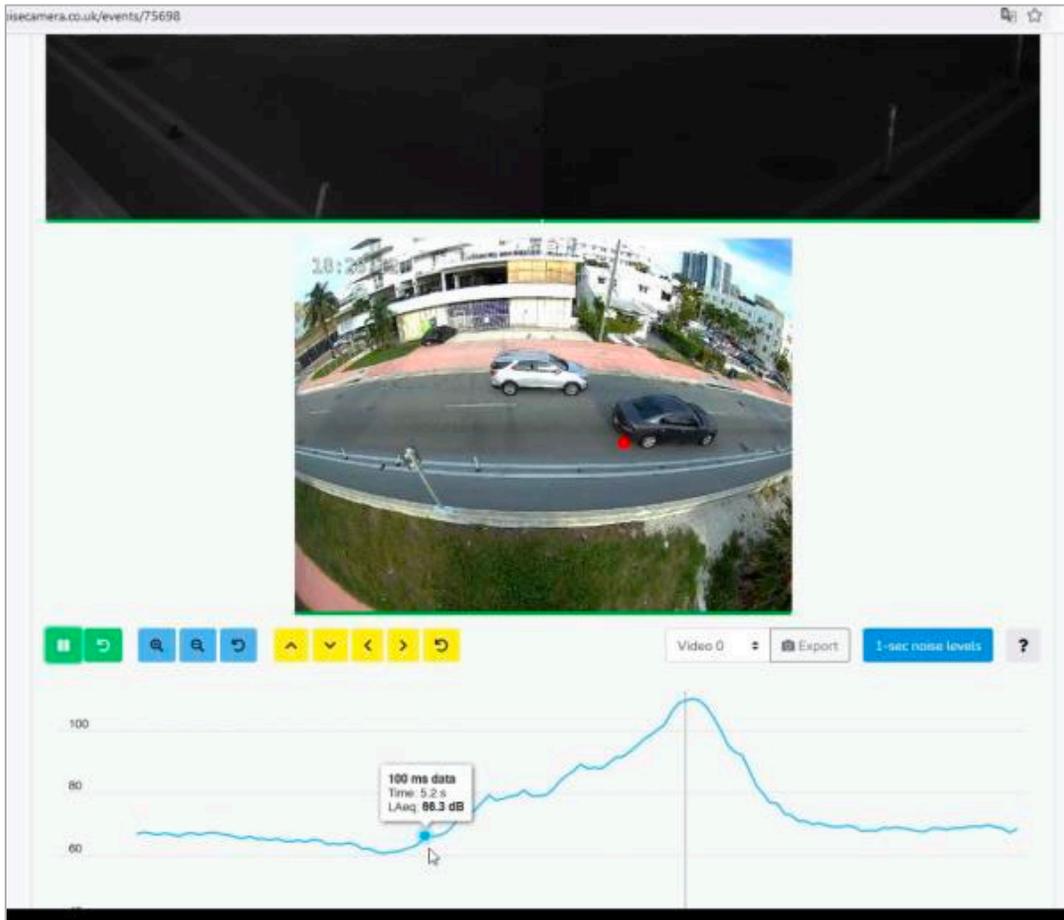
- Vehicle registration via NLETS
- Citation processing
- Warning letter mailing for the first 30 days
- Citation mailing
- Collection of payments
- Assistance with prosecution
- Will provide court packets to the court/clerk for adjudication of contested cases
- Remote, secure access to NewGuard™ to view/approve the violation

Support, as with the red-light and ASE programs through NewGuard™, meaning approving officers only interface with one software platform to provide a streamlined approval, management, and data analytic workflow.

As seen in the below video, as a vehicle approaches the SoundVue system, it will place a “dot” on the violating vehicle. As the vehicle approaches closer to the microphone, the decibel graph below the video will illustrate the decibel level of the vehicle. As the vehicle passes the SoundVue system, the decibel levels will follow the pattern of the vehicle, validating the identification of the violating vehicle. When the vehicle is passed the system, a separate camera will capture an image of the rear of the vehicle, capturing the vehicle tag. Once the photo of the tag is captured, the system utilizes optical character recognition (OCR) to read the tag, entering it into a database that can be checked against Blue Line’s Automated License Plate Recognition (ALPR) system, or Flock’s ALPR system.



Various camera angles from our red light cameras



Camera angle with graph showing noise level history on our noise disturbance and red light cameras

USER INTERFACE

Following each trigger event, an evidence package comprising video, audio, noise levels and license plate information is automatically sent to our secure web server in real time.

The user can then review each event and check the data before taking action.

The system API can be programmed to interface with the customer's existing front end and hence integrated with other camera enforcement technology operated by that jurisdiction.

If required, our partners can provide full back-office functionality providing an end-to-end solution.



Example video of SoundVue camera's backend noise violation interface
(<https://youtu.be/uMb54ljWLZI>)

“Intelligent Instruments has been crucial in the success of the NYC Noise Enforcement Program. They are constantly improving their equipment and software to meet NYC’s needs. Their staff are courteous and prompt with any requests. I have recommended them to government agencies throughout the US and Canada.” - Oscar Gonzales, Director of Technology & Field Operations for New York City Department of Environmental Protection

It should be noted that BLS is including the two SoundVue units at NO COST in our pricing submission. As an authorized SoundVue distributor, BLS is the ONLY Tennessee-based distributor of this technology and is the ONLY company that has Tennessee-based trained service technicians to maintain and calibrate the equipment locally.

16. CAMERA SYSTEM REQUIREMENTS [RFP SECTION 13]

- ☑ The Blue Line red light camera system complies with this specification, as it captures video footage of the entire violation in addition to multiple images before and after the vehicle has traveled through the red light.
 - 1 overview image (one showing the vehicle approaching the crossing)
 - 1 overview image showing the vehicle in the conflicting area of the crossing
 - Both images will show the status of the red light
 - 1 or more images with more zoom to capture the license plate
 - 1 video showing the entire vehicle traveling through the intersection
- ☑ The Blue Line school camera captures a minimum of three (3) images of the speeding violation (including the license plate) as well as a video.
- ☑ The noise detection cameras are capable of recording the decibels emitted by the vehicle, a video, and images of the rear and license plate.
- ☑ All cameras comply with this specification, capturing high-quality images and video. The cameras resolution and frame rates are configurable up to 8.9 MP (4112 x 2176). Please see examples below of image examples in multiple weather conditions.

16.1 RED LIGHT RUNNING CAMERA PHOTOS

Day Time



Rain



Night



Infrared Image of Nighttime Tag

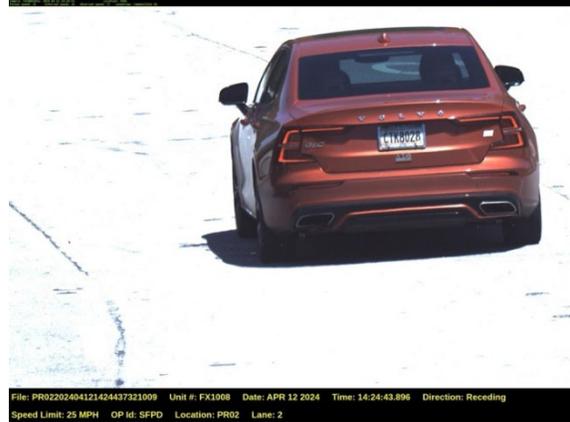


16.2 AUTOMATED SPEED ENFORCEMENT CAMERA EXAMPLES

Low Light (Night)



Sun Glare



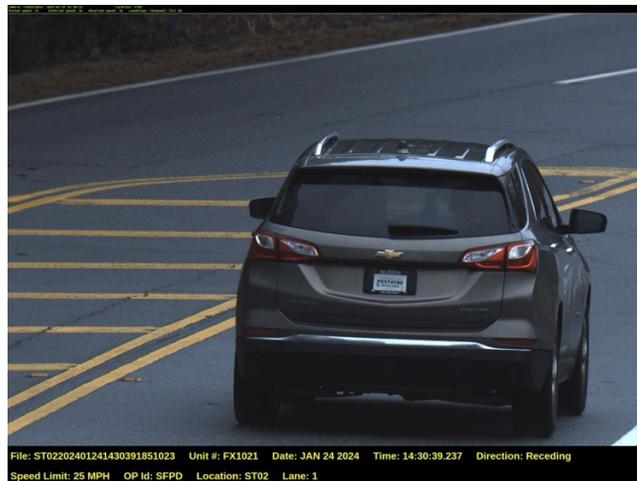
Cloudy



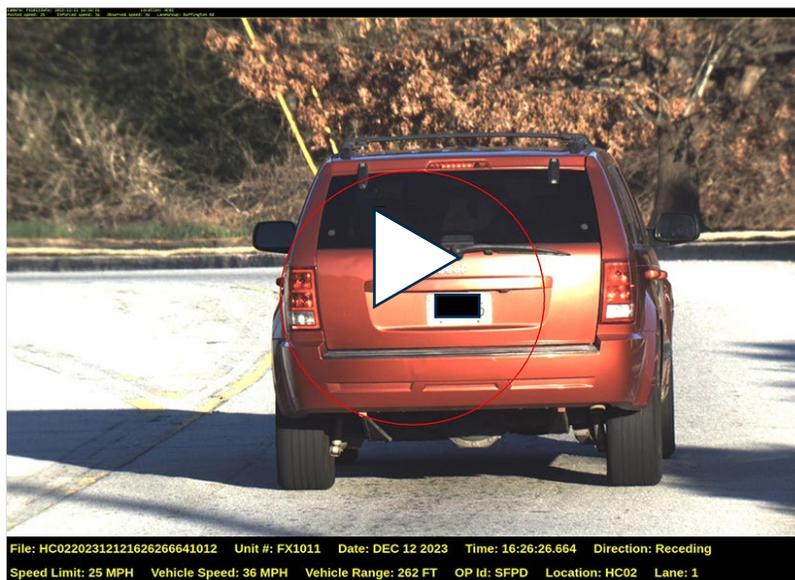
Rain



Temporary Plate



BLS Technology, combats plate glare and inclement weather by taking a series of under and over-exposed images at the time of violation event capture, ensuring that both vehicles make and model, and license plate information can always be legibly read. This advanced vary-exposure technology allows for crisp, high-definition imagery to be captured for every single violation event.



The circle/“reticle” represents the laser beam of the LiDAR. This allows the approving officer to be certain that which vehicle the LiDAR captured.

Watch the video clip to view the vehicle travel through the LiDAR. This video is an example of what an approving officer would see.

Sample graphics and video of LiDAR's accuracy (<https://youtu.be/kzmOlhwmu1w>)

- a. All three types of systems capture data 24/7/365, enabling the user to run reports for any date range.
 - a. Speeding and Red-light non-violation images are not stored, however, the meta data such as vehicle speed is stored for data analysis.
 - b. The city will have access to a reporting model (as described above).
- b. All three systems are capable of multi-lane deployments, across a wide range of operating conditions.
 - a. The single beam-single lane LiDAR ensures that EVERY vehicle speed is captured due to the dedicated LiDAR and camera per lane.
 - b. The red-light camera uses a wide-angle lens across multiple lanes, providing the ability to capture multi-lane violations, regardless of the number of lanes.
 - c. The noise ordinance unit utilizes multiple cameras to capture the oncoming violating vehicle and as it passes the equipment, continuing as the vehicle recedes from the camera, capturing the license plate.

- c. After initial setup by BLS technicians, the city **will not be needed** to focus, align, etc. any of the equipment. The equipment is largely automated; however, any fine adjustments can be made virtually via the BLS CNOC center.
- d. Tamperproof Equipment
 - a. The ASE camera and equipment housings are made of extrusion aluminum, with tamper-proof glass. The cameras are mounted 10ft high to reduce vandalism.
 - b. The red-light cameras are also housed in extrusion aluminum and mounted much higher at 21-23ft. The equipment boxes for this system are mounted at the top of the pole.
 - c. The SoundVue noise ordinance camera is generally mounted 20ft high, making it less likely to be vandalized.
- e. Each system is designed with ease of maintenance and service in mind. The cabinets are easy for service technicians to open, and the equipment is readily accessible. Systems are easy to access for calibration as well.
 - a. Quarterly Maintenance: BLS performs thorough quarterly maintenance to ensure optimal functionality for Traffic, Speed, and Noise enforcement systems, including:
 - i. Recertification: An independent third party verifies the accuracy of speed enforcement systems to maintain compliance and performance standards.
 - ii. Cleaning: Comprehensive cleaning of all equipment, including control boxes, equipment heads (LiDAR, cameras, electronics, and lens), illuminators, and solar panels.
 - iii. Consumables Management: Inspection and replacement of control box filters as needed.
 - iv. Vegetation Management: Trimming trees and vegetation near the site with prior approval from the city.
 - v. Pest Control: Inspecting for and addressing insect-related issues at the installation site.
 - b. Remote Monitoring: BLS Central Network Operations Center (CNOC) team provides daily remote system monitoring and troubleshooting to ensure maximum uptime. Services include:
 - i. Software Updates: Installing updates to maintain system efficiency and compatibility.
 - ii. System Resets: Performing remote resets as necessary to address system errors.
 - iii. Optimization: Continuously optimizing settings to ensure accurate violation capture rates.

Collectively, these proactive services help maintain system accuracy, reliability, and efficiency while minimizing downtime.
- f. Blue Line's RMS is accessible to agency users 24/7 via web application access. Blue Line's RMS is a SOC 2, and CJIS audited system, that goes above and beyond to follow best practices aligned with NIST recommendations. All connections are upgraded to HTTPS automatically, with a SHA-256 RSA TLS certificate. In addition, user access is scope following a least privilege permission model. Every time a user initiates a connection to BLS' RMS, they are required to complete multi-factor authentication prior to being granted access. In addition, all user's passwords are required to rotate every 90 days and

follow strict lockout policies. In addition, all login and session activity are audit logged and retained for a minimum of 90 days.

- g. All three camera units will provide:
- i. Scene of the location where the violation occurred.
 - ii. Motor vehicle during violation
 - iii. Display of the rear license plate of the vehicle
 - iv. The plate must be readable from the main image
 - v. The day, month, and year of the violation
 - vi. The time of the violation in hours, minutes, and seconds
 - vii. Signal cameras - the amount of time that has passed since the light turned red
 - viii. Signal cameras - duration of yellow light
 - ix. Signal cameras - full motion video capturing incidents from at least a point two seconds before a traffic light changes from yellow to red, and preferable from green to yellow
 1. The video length is adjustable up to 30 seconds.
 - x. The speed of the vehicle during the violation
 - xi. Noise cameras – the decibel of sound emitted by the vehicle
 1. See page 67 for details and a video that illustrates the decibel level capture.
 - xii. Location of violation
 - xiii. Frame sequence number
 - xiv. Imprint all the information along the bottom edge of the frame but shall not obstruct the violation image
 - xv. Color images are preferred
 - xvi. Systems that can reduce the effects of license plate covers are preferred
- h. While U.S. regulatory agencies do not have requirements governing Automated Speed Enforcement systems (ASE), Blue Line ASE systems utilize an enhanced version of the Dragon Eye Speed Lidar which has been tested by independent U.S. laboratories and listed on the National Highway Traffic Safety Administration's (NHTSA) Conforming Products List. Blue Line's Lidar technology is also certified by the manufacturer as Class 1 (eye safe) with design and production information submitted to the US FDA Center for Devices and Radiological Health.

Blue Line Solutions uses only cameras and equipment that are compliant with NDAA (National Defense Authorization Act) as the law requires. All hardware, software, and system technology provided by Blue Line Solutions for this RFP is proprietary, exclusive, and developed /co-developed by in-house hardware and software engineers of or under license to TrueBlue™. It does not infringe upon or violate any patent, copyright, or trade secret of any person or company.

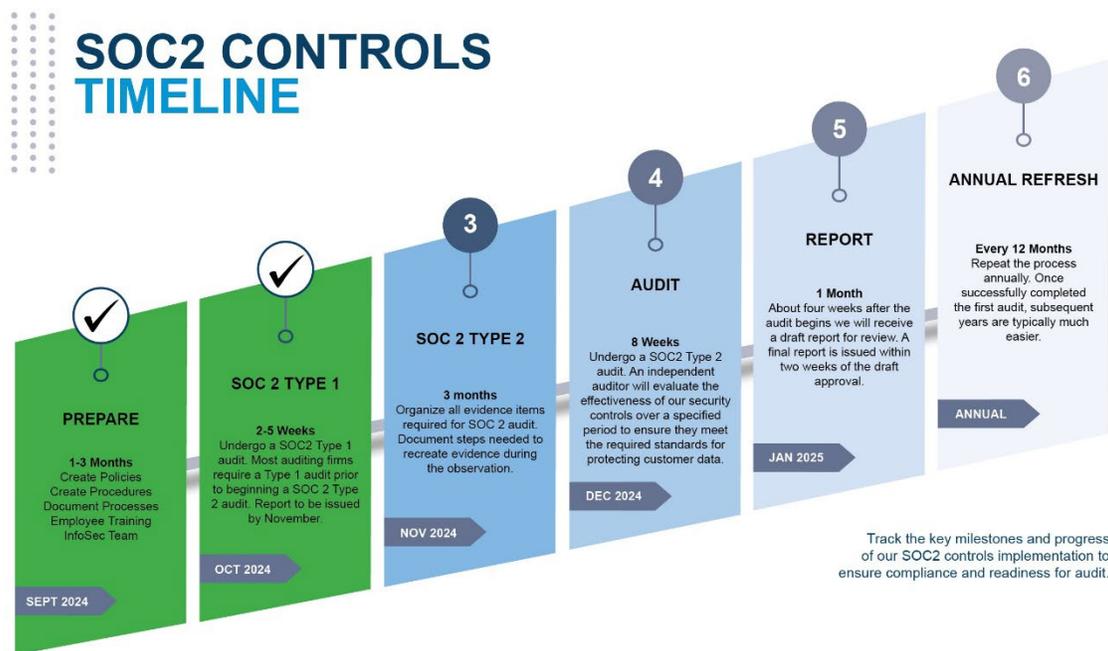
All major Blue Line Solutions Automated Speed Enforcement system components are assembled in Norcross, Georgia, including the LiDAR Speed Measuring device, Camera System, support electronics, and cabinet enclosures.

System and Organization Controls (SOC) compliance is a compliance framework created by the American Institute of Certified Public Accountants (AICPA). It examines and audits service organizations to ensure that controls and processes are in place to protect client data that they

have access to. The SOC compliance framework helps organizations know what they need to do or how they can improve to increase the security of data in their possession.

SOC compliance is a well-recognized framework and is very valuable to many organizations. Obtaining our SOC compliance report and certification provides evidence to your customers that you have the proper actions and protocols in place to protect their data.

BLS is SOC2 Type 1 certified and on track and dedicated to being SOC2 Type 2 compliant and beyond. Our company is working diligently to obtain this next-level certification.



BLS SOC2 Type 1 certification report is available upon request.

- i. Prosecutable images can be found in sections [16.1](#) & [16.2](#). The BLS system is fully capable of analyzing results obtained from each camera location to show the prosecutable image rate. Our proposed system will produce a statistical analysis of camera operations to the City of Knoxville. This analysis will provide all data requested in the RFP, plus additional relevant information.
- j. Blue Line Solutions always considers the data, including video and still images to be the property of the City, not BLS. BLS will work with any other vendor, including Axon to upload images/data into their management system following CJIS, and NLETS security guidelines. Blue Line is committed to working with agency in achieving program goals. If agency wishes to export ASE evidence to third party vendors, BLS will consider project requirements that satisfy agency goals, and will work with agency and agency 3rd party vendor to complete integration requirements as outlined in agency project scope of work, to include defining and delivering evidence in required formats and resolutions while continuing to follow CJIS, and NLETS security guidelines. By default, BLS ASE images are 2048x1536 resolution, in JPEG format.
- k. BLS currently works with Flock to provide images and data to their system and will do so for the Knoxville contract.

17. PROJECT APPROACH [RFP IV]

17.1 PROJECT APPROACH OVERVIEW [RFP IV]

The TrueBlue™ School Zone Safety Program involves a phased approach during the implementation. Deployment in phases allows ample time to inform and educate the public, enforce speeding laws, and measure outcomes of the program. The graphic below outlines the post construction phases of this project.

The main phases are as follow:

- **Phase 1 – Program Survey** – 5 days of data is gathered in the school zone to establish a baseline number of vehicles traveling through the zone and the number of those that were speeding.
- **Phase 2 – Public Information & Education (PI&E)** – This phase is our key focus. Educating the community is key. PI&E begins and contract award and continues through the life of the contract.
- **Phase 3 – Warning** – A 30-day period that captures the number of speeders in the school / work zones. During this phase, the violator will receive a warning in the mail advising of the violation. The warning is marked in red and does not carry any monetary implications.
- **Phase 4 – Enforcement** – This phase begins after the 30-day warning period and starts the process of live citations being issued to violators.

At Blue Line Solutions, we are committed to delivering a comprehensive and seamless implementation tailored to meet the City of Knoxville's needs. Our project approach begins with detailed speed studies to assess current conditions and establish a baseline for our continuous improvement focus on reducing speeds in school zones and traffic events. We then conduct an Agency kickoff call to align stakeholders and establish project goals and timelines. Following this, our team performs site surveys at each school zone and red light enforcement zones to ensure precise planning and implementation. Using the insights gained, we prepare detailed site plans and manage permit applications to ensure compliance with local and DOT regulations.

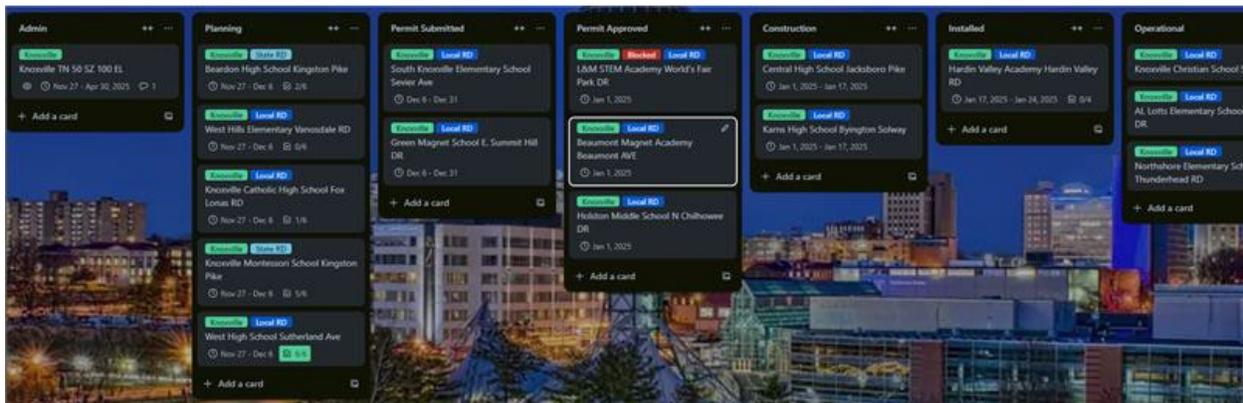
The project continues with robust supply chain management, and construction project management, ensuring timely and efficient setup of automated speed enforcement systems and red light enforcement systems. We place a strong emphasis on public information and education (PI&E) efforts and community engagement to foster public trust and awareness of the program prior to issuing the first warning. To equip law enforcement with the necessary tools, we provide comprehensive agency officer approval training and seamlessly implement the NewGuard™ system setup. Finally, Blue Line Solutions ensures a smooth service takeover, backed by our experienced team and proven methodologies to support the City's objectives for safer school zones and transportation systems. Additional details about our Project Approach are included below:

AGENCY KICKOFF MEETING

The Agency Kickoff Meeting serves as the critical step in launching the City's new automated speed enforcement, red light, and noise programs with Blue Line Solutions. This collaborative session brings together key stakeholders, including representatives from the Police Department,

City Procurement, Public Works, Traffic Engineering, and other involved departments, to establish clear objectives, roles, and timelines for the project. During the meeting, our team will review program goals, outline the project approach, and address logistical considerations such as site selections, permitting requirements, and community engagement strategies. Additionally, stakeholders will discuss data-sharing protocols, enforcement schedules, and public information campaigns to ensure alignment and transparency. By the end of the meeting, all participants will have a comprehensive understanding of their roles, a finalized project timeline, and an actionable plan to successfully implement the program, ensuring a smooth path toward improved traffic safety for the City. BLS has also established a best practice of weekly or bi-weekly project meetings with stakeholders for regular updates and discussions about program achievements and challenges.

Blue Line Solutions utilizes Trello, a robust project management software, to efficiently manage all aspects of automated speed enforcement and red-light enforcement programs. From project kickoff to permit approval and site installation, Trello provides a centralized platform for tracking progress, assigning tasks, and ensuring clear communication among stakeholders. Trello's



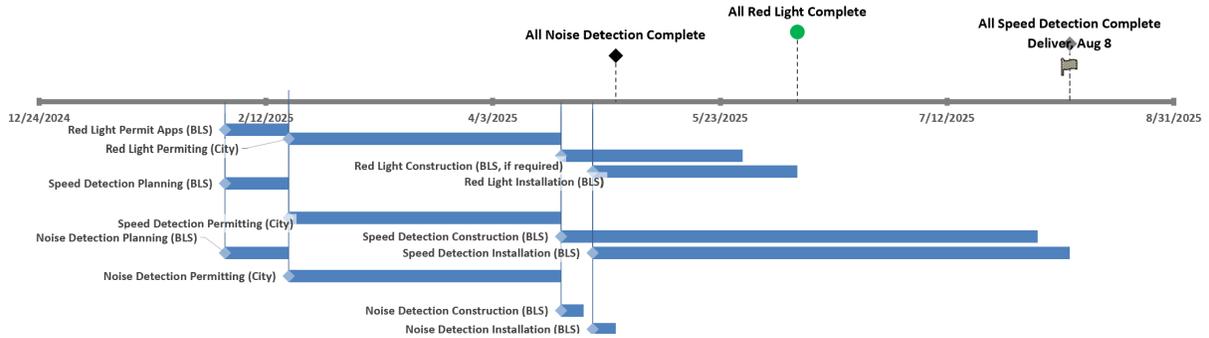
Example Trello Dashboard specifically for Knoxville

customizable boards and card system allow our team to visually organize each phase of the project, such as permit submissions, site surveys, construction milestones, and system testing. With real-time updates, team members can access the latest project status and collaborate seamlessly, reducing delays and enhancing accountability. Trello's intuitive design and accessibility ensure that every step of the process is well-coordinated, enabling the successful and timely launch of enforcement programs. The following Trello dashboard was created for the City of Knoxville:

PROGRAM SCHEDULE

Blue Line Solutions has a proven track record of delivering fast and seamless program deployments. Clear, frequent, and open communication with local leadership is the cornerstone of our success, enabling us to address obstacles effectively and achieve optimal results. Our deep familiarity with Tennessee's permitting procedures, agency operations, and common challenges allows us to anticipate and mitigate risks or delays before they arise. Additionally, after each deployment, we refine our timeline management processes to further enhance efficiency and reduce project duration. To ensure a complete understanding of our approach, a detailed timeline overview is provided below, outlining each project phase and its associated timeframe.

Knoxville Project Timeline



STAGE	OWNER	EFFORT (AGENCY/BLS)	DAYS TO COMPLETE	NOTES:
Project Review	Project Manager	5% / 95%	1 - 3	Review of program contract and internal kickoff meeting to identify roles and responsibilities, schedule and risks
Project Kick-Off Meeting	Project Manager	10% / 90%	1	Alignment with program stakeholders
Site Plan Development/ Submission Packet Development	Project Manager	5% / 95%	15 - 30	Site plans are created within days and reviewed with the City as part of the permit process.
Permit Approval/ Review Process	Project Manager	25% / 75%	TBD based on city permit approval process	Construction and program launch is dependent on permit approvals by city/county/ state.
Construction/ Power Permits	Project Manager	20%/80%	30 (if required)	Timeline for power permit approvals dependent on power provider; BLS can operate cameras on solar or A/C power.
Construction	Project Manager	10%/90%	20	BLS project manager to be onsite for the construction and installation phase. 10 school zones can be completed in 2-3 weeks from mobilization of construction team. Time to complete is not inclusive of potential weather delays.
Camera Installation	Project Manager	10% / 90%	10	BLS can install 2 cameras per day with a 2-person team. BLS has multiple installation teams that can be deployed to expedite installation.

TIMELINE BASED ON UP TO 10 SCHOOL ZONES (20 CAMERAS) INSTALLED PER GROUP.

SPEED STUDIES & DATA COLLECTION

BLS understands the limitations of TCA 55-8-198 places on the jurisdiction regarding Engineering Traffic Investigations (ETI) or Engineering Studies and will fully comply with the statute. The speed studies provided by BLS are meant to assist the city in determining the viability of a program in each school zone and to determine the level of the speeding issue for administrative decision making.

As stated in the opening letter, the blue line model for the school zone automated speed enforcement (ASE) program utilizes the proven model from NHTSA's Click It Or Ticket campaign (CIOT). CIOT is the most recognized and successful campaign in U.S. history and has proven effective at changing driver behavior. Data from CIOT has proved that there are three (3) key elements required to change driving behavior: 1) public information; 2) education; and 3) enforcement.

In an effort to measure the effectiveness of the program, the following data points are collected throughout the program.

- ☑ **Pre-Program Survey** – 5-day speed study is conducted prior to the implementation of the program to determine the level of the speeding problem
- ☑ **PI&E Survey** – 5 day speed survey conducted at the beginning of the warning period to measure the effectiveness of the PI&E campaign
- ☑ **Warning Survey** –5 day survey conducted after the warning period has concluded to measure the effectiveness of the warning period
- ☑ Initial enforcement survey – 5-day survey conducted approximately 5 weeks into enforcement to measure the effectiveness of week 1 – 4 of the of enforcement period
- ☑ **Periodic Surveys** – 5 days surveys conducted periodically throughout the school year
- ☑ **Summer Surveys** –5-day survey conducted during the summer break
- ☑ **Back to School Surveys** –5-day survey each time school comes back into session from Christmas, Summer, or extended periods of leave
- ☑ Anomalous surveys - surveys conducted during a period in which an unusual event has occurred, altering enforcement conditions

After the data is collected in each phase, the following methodology is followed:

- ☑ Determine which school zones have a speeding problem; determine improvements and effectiveness of the program.
- ☑ Sharing data (speeding problem) with the community assists in achieving “political permission” to implement the program. Our data is available to community stakeholders (city leaders, police department, schools, parents, community members) and can be disseminated based on the City of Knoxville's desired process and communication platforms (press releases, social media, printed flyers/postcards, banners, etc.)
- ☑ Disseminate information regarding the 30-day warning period
- ☑ Speed data is collected during each phase and continually disseminated to all of the above-mentioned stakeholders in Section B.
 - Pre-study
 - Warning study
 - Enforcement study
 - Post-enforcement study

SAMPLE WARNING STUDY DATA: HOLLYWOOD, FL

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Hollywood School Zone Safety Program Preliminary Speed Reduction Report - Phases 1 & 2

The Program

The School Zone Safety Program is designed to enhance safety around schools by reducing speeding and promoting safe driving behaviors. The program involves a comprehensive, multi-phase approach that aims to inform, educate, enforce, and measure outcomes. Each school zone undergoes the following phases:

- Phase 1: Pre-Implementation 5-day Speed Study
- Phase 2: Public Information & Education (PI&E)
- Phase 3: Warning Citation Phase (30 days) / 5-day Speed Study
- Phase 4: Enforcement Phase / 5-day Speed Study
- Phase 5: Post Enforcement Speed Study (5- day speed study)

Phase 1: Speed data was collected to establish a base line of the number of vehicles traveling through the school zone and the number of vehicles speeding. *Speeding is defined as 10MPH+ above the speed limit.*

Phase 2: Information was disseminated throughout the program to the public through efforts to include the following:

- Press release
- Instagram video announcing the program to the community (Produced by the City of Hollywood)
- Social media posts
- Graphics and messaging sent through Broward Co. School Email Portal
- Banners placed in the school zones
- ~21,000 Post cards sent home with students
- Info posted on the PD website (<https://www.hollywoodfl.org/1543/School-Zone-Safety-Camera-Program>)

(Below are examples of distributed media)



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Phase 3: For the first 30 days of the program, only warning citations are issued for speeding vehicles. These citations have a large red warning statement across the front and serve as a reminder to slow down when entering the school zones. During the first (1st) week of the warning period, another 5-day speed study is conducted to determine the effectiveness of the PI&E.

Phase 4: Once the 30-day warning period is completed, enforcement is started with speeding violators receiving real citations. A third (3rd) speed study is conducted in week one (1) of enforcement to measure the effectiveness of the warning phase.

Phase 5: During week four (4) or five (5) of the enforcement, a fourth (4th) speed study will be conducted to measure the effectiveness of the program in its entirety.

Data Analysis

The following data reflects accomplishments of the first 3 phases of the School Safety Program. The first 5 schools began the warning phase on different dates. Data was analyzed to determine the speed reduction by phase. Any reduction realized during the PI&E and Warning phases are achieved without writing finable citations, meaning the driving community responded to the messaging by reducing their speeds prior to entering the enforcement period.

The data indicates that Driftwood Elementary School has not achieved the total reduction expected in the early stages of the program. This would indicate that additional PI&E may be helpful in achieving additional reductions. This could be achieved through brochures being sent to parents through the school, emails to parents, social media posts, etc. The goal of this phase is to impact driving behavior prior to the enforcement phase begins.

Program Initial Achievements

The schools below (Chart A) have undergone the PI&E and Warning Phases, but data has not yet been aggregated for the enforcement phase, as it will be collected in week five (5) of the enforcement phase. In the 5 zones below, during the five (5) day pre-study, 3,973 vehicles traveled through the school zones at 10MPH+ above the speed limit. During the PI&E phase, the number of speeding vehicles at 10MPH + above the speed limit dropped to 750, an **81.1% reduction**. The number of speeders continued to drop during the 30-day warning phase to only 419 vehicles from 750, indicating an additional **8.3% reduction**, resulting in an **89.5% reduction** in speeding vehicles through the 3 zones without yet issuing any speeding citations.

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CHART A		5-DAY STUDY INFO PER PHASE			EFFECTIVENESS OF EACH PHASE		
JURISDICTION	SCHOOL	PRE-PROGRAM (SPEED STUDY)	PI&E	WARNING	PRE-PRO. TO PI&E	PI&E TO WARNING	TOTAL REDUCTION
HOLLYWOOD, FL							
	Apollo Middle School	950	19	41	98.0%	-2.3%	96%
	Attucks Middle School	900	90	78	90.0%	1.3%	91%
	Ben Gamla Charter School	236	18	19	92.4%	-0.4%	92%
	Colbert Elementary School	1,814	566	244	68.8%	17.8%	87%
	Driftwood Elementary School	73	57	37	21.9%	27.4%	49%
HOLLYWOOD, FL SUMMARY		3,973	750	419	81.1%	8.3%	89.5%

Reducing the Speed of the Speeders

The data presented in Graph A and Charts C & D show a notable improvement in traffic safety in the school zones. The number of vehicles exceeding the speed limit by 11-14 MPH, 15-20 MPH, and 21+ MPH has all significantly decreased. This reduction suggests that not only has the program successfully decreased the total number of speeding vehicles, but it has also lowered the speed of those who continue to speed.

The overall trend indicates that vehicles are traveling at slower, safer speeds, thereby reducing the potential for accidents and making the school zones much safer for children, staff, and pedestrians. In short, the program has not only reduced the frequency of speeding but has also mitigated the severity of the speed violations, contributing to a safer school environment overall.

Reductions by Speed Range

- 11-14MPH - 1,865 speeding vehicles reduced to **568**
- 15-20MPH - 620 speeding vehicles reduced to **1**
- 21MPH+ - 349 speeding vehicles reduced to **0**

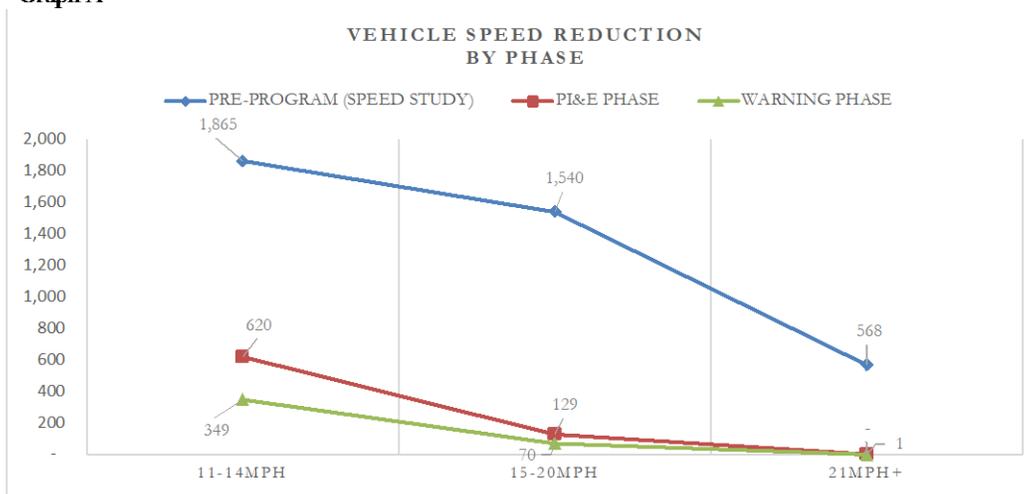
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As Graph A below indicates, all 3 speed ranges realized significant decreases during the PI&E and warning phases. It should be noted that these reductions were obtained without issuing any fineable citations.

Graph A



Charts B, C, & D illustrate data sets that document the speed of vehicles that traveled through the school zones during each phase.

CHART B

PRE-PROGRAM (SPEED STUDY)	SPEED RANGE ABOVE LIMIT		
	SCHOOL	11-14MPH	15-20MPH
Ben Gamla Charter School	153	71	12
Colbert Elementary School	766	752	296
Apollo Middle School	395	401	154
Attucks Middle School	499	296	105
Driftwood Elementary School	52	20	1
TOTALS	1,865	1,540	568

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CHART C

PI&E PHASE	SPEED RANGE ABOVE LIMIT		
	SCHOOL	11-14MPH	15-20MPH
Ben Gamla Charter School	17	1	-
Colbert Elementary School	466	99	1
Apollo Middle School	16	3	-
Attucks Middle School	81	9	-
Driftwood Elementary School	40	17	-
TOTALS	620	129	1

CHART D

WARNING PHASE	SPEED RANGE ABOVE LIMIT		
	SCHOOL	11-14MPH	15-20MPH
Ben Gamla Charter School	18	1	-
Colbert Elementary School	199	45	-
Apollo Middle School	33	8	-
Attucks Middle School	66	12	-
Driftwood Elementary School	33	4	-
TOTALS	349	70	-

Graphs B, C, & D below illustrate the speeds of vehicles traveling 11-14 MPH, 15-20 MPH, and 21+ MPH above the speed limits through the school zones by phase. Graph B highlights that during the pre-study, 1,865 vehicles were speeding at 11-14 MPH above the speed limit, 1,540 were traveling 15-20 MPH over and 568 were traveling at 21+MPH above the speed limit. Graph C begins to show vehicles traveling 11-14MPH over dropped from 1,540 to 129 and vehicles traveling 21+MPH dropped from 568 to 1. Graph D shows vehicles traveling 15-20 MPH over dropped from 129 to 70 and there were ZERO (0) vehicles traveling 21MPH + above the speed limit.

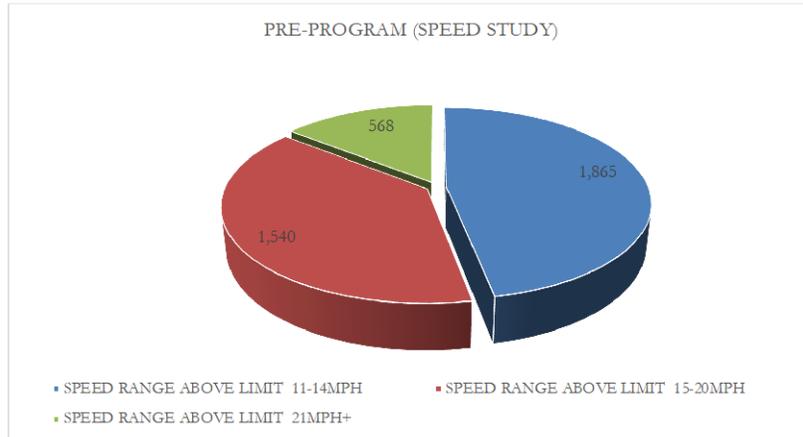
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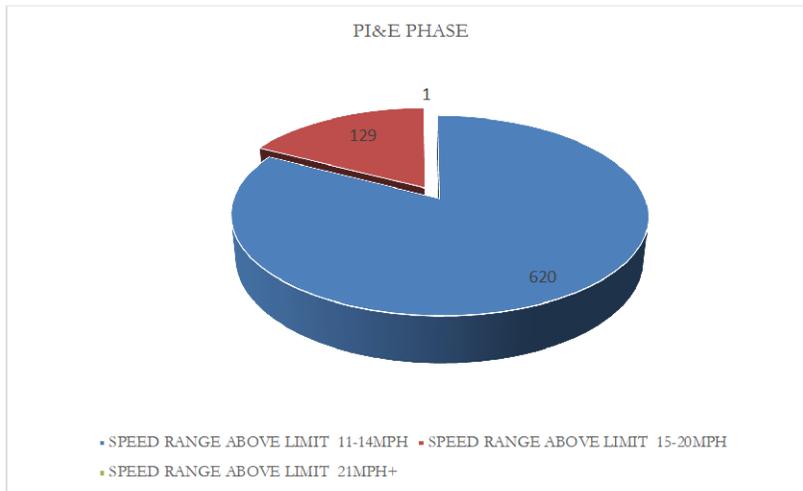
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Graph B



Graph C



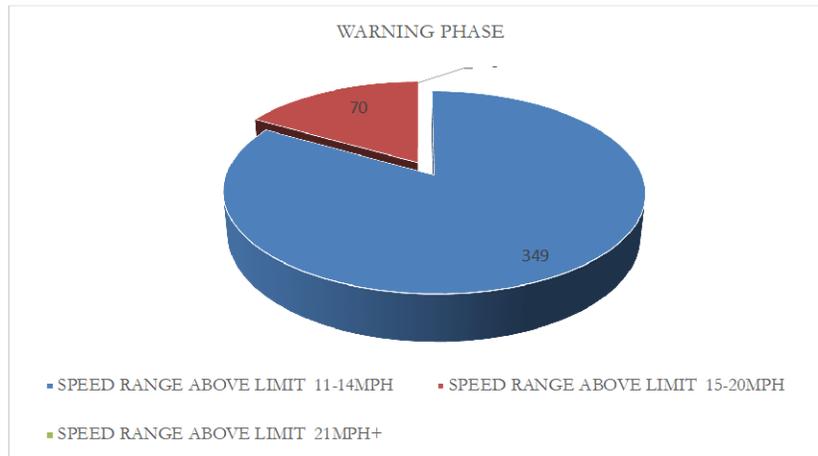
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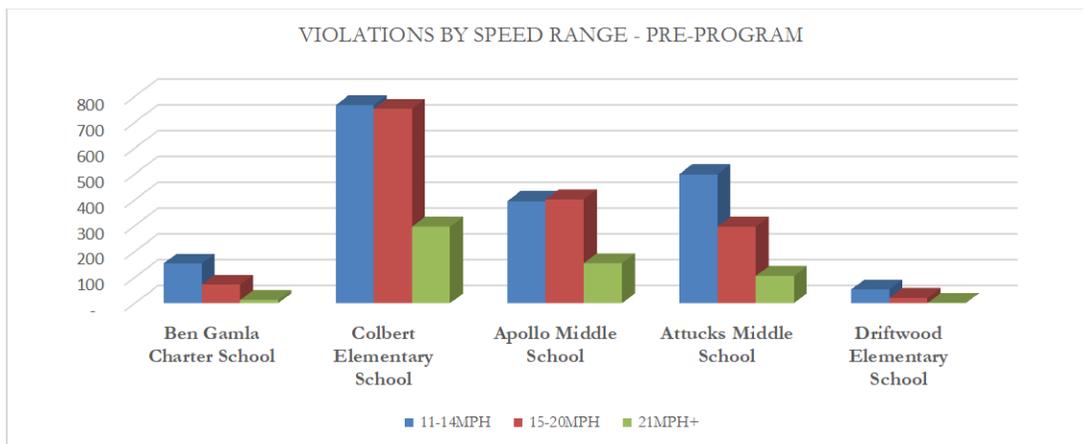
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Graph D



Graph E



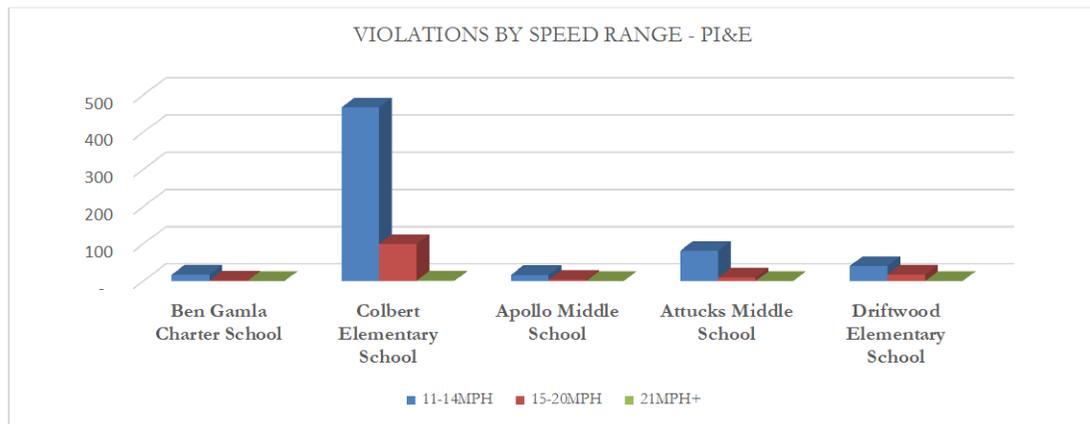
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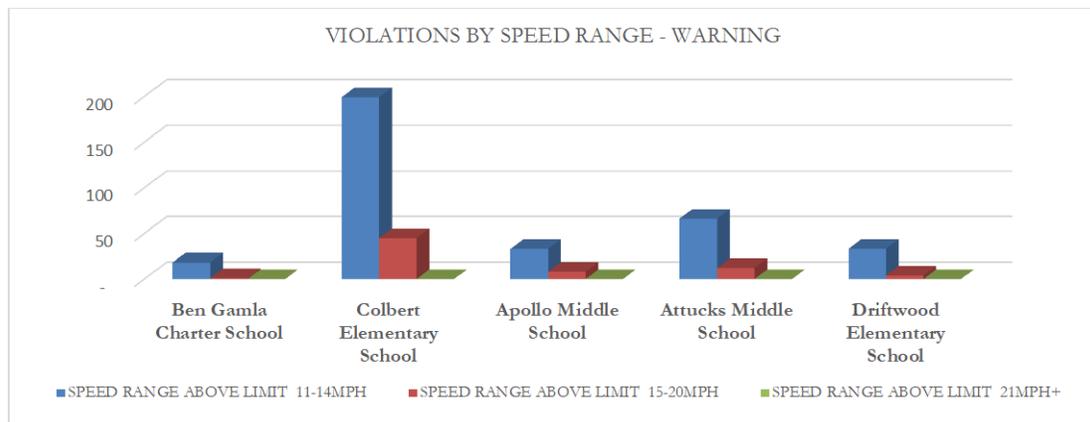
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Graph F



Graph G



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SPEED DATA SUMMARY REPORT - SHREVEPORT

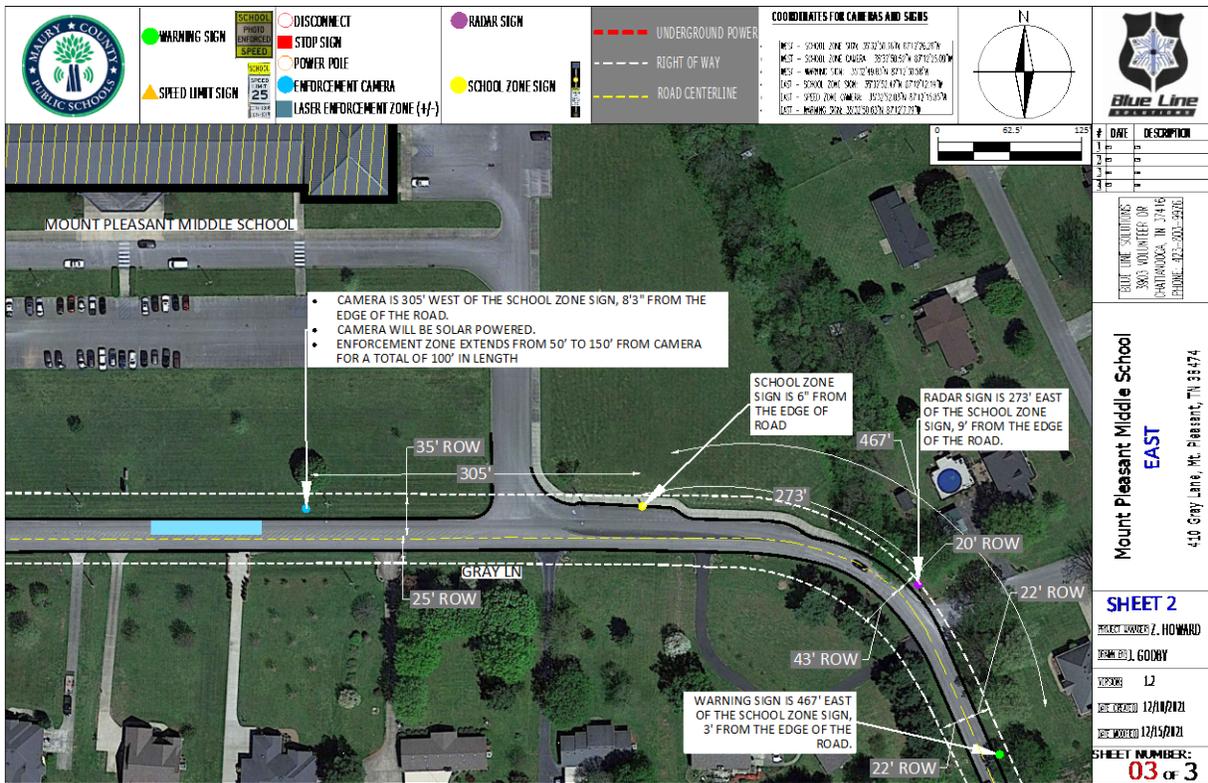
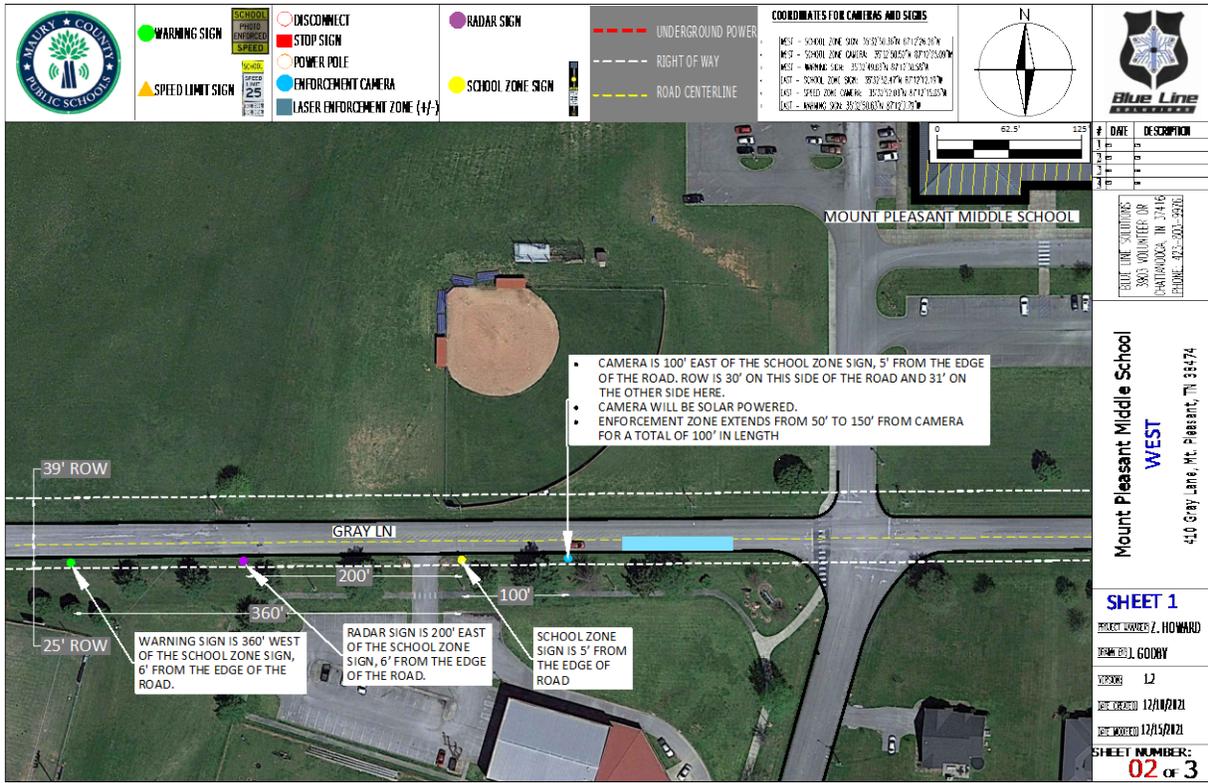
JURISDICTION	SCHOOL	5-DAY STUDY INFO PER PHASE					EFFECTIVENESS OF EACH PHASE				
		PRE-PROGRAM (SPEED STUDY)	PI&E	WARNING	ENFORCEMENT	POST-ENFORCEMENT	PRE-PRO. TO PI&E	PI&E TO WARNING	WARNING TO ENFORCE.	ENFORCE. TO POST-ENFORCE.	TOTAL REDUCTION
SHREVEPORT											
	Caddo Magnet HS	545	106	77	47	16	80.6%	6.2%	4.6%	5.7%	97%
	Albins Elem	3534	260	294	306	285	92.6%	-1.0%	-0.3%	0.6%	92%
	Southwood HS	10240	640	463	327	37	93.8%	1.7%	1.3%	2.8%	100%
	Southern Hills Elem	5958	651	650	149	88	89.1%	0.0%	8.4%	1.0%	99%
	Creswell Elem	4013	928	876	589	378	76.9%	5.6%	32.8%	5.3%	91%
	Green Oaks HS	509	44	19	15	23	91.4%	56.8%	21.1%	-1.6%	95%
	Westwood Elem	8739	3108	959	531	133	64.4%	69.1%	44.6%	4.6%	98%
	Captain Shreve HS	13842	541	179	413	93	96.1%	66.9%	-130.7%	2.3%	99%
	Caddo Heights Math/Science	552	472	526	366	285	14.5%	-11.4%	30.4%	14.7%	48%
	Woodlawn HS	1123	91	67	65	19	91.9%	26.4%	3.0%	4.1%	98%
	AC Steere Elem	1200	301	228	86	69	74.9%	6.1%	11.8%	1.4%	93%
	Queensborough Elem	1314	219	216	113	10	83.3%	0.2%	7.8%	7.8%	91%
	Forest Hill Elem	3340	162	157	169	111	95.1%	0.1%	-0.4%	1.7%	95%
	Youree Dr MS	641	81	49	41	16	87.4%	5.0%	1.2%	3.9%	94%
	Ridgewood MS	4536	167	204	156	42	83.5%	2.1%	-1.5%	2.1%	84%
	Judson Elem	6453	126	481	297	193	96.3%	-0.8%	1.1%	2.5%	97%
	CE Byrd HS	1483	18	88	57	64	98.0%	-5.5%	2.9%	1.6%	95%
	Caddo Career	2462	837	464	153	213	95.4%	-1.1%	-0.3%	1.3%	94%
	Summerfield Elem	3455	778	401	308	22	98.8%	-4.7%	2.1%	-0.5%	96%
	Calvary Baptist	5046	398	132	236	93	66.0%	15.2%	12.6%	-2.4%	91%
	Fairfield Elem	1894	605	99	115	77	77.5%	10.9%	2.7%	8.3%	99%
	Riverside Elem	1836	490	83	234	12	92.1%	5.3%	-2.1%	2.8%	98%
	Linwood Elem	1066	204	169	58	164	68.1%	26.7%	-0.8%	2.3%	96%
	Claborne Elem	1610	199	72	77	25	73.3%	22.2%	8.2%	12.1%	99%
	Booker T Washington HS	1530	40	27	11	14	80.9%	3.3%	10.4%	-9.9%	85%
	Cherokee Park Elem	812	72	55	48	24	87.6%	7.9%	-0.3%	3.2%	98%
	81st St ECE	692	18	46	56	40	97.4%	0.8%	1.0%	0.2%	99%
	Huntington HS	480	23	19	48	25	91.1%	2.1%	0.9%	3.0%	97%
	Oak Park Elem	747	108	70	90	59	97.4%	-4.0%	-1.4%	2.3%	94%
	AMI Kids	929	27	25	19	10	95.2%	0.8%	6.0%	4.8%	95%
	AMI Kids - Caddo MS	11214	3875	1801	1498	216	85.5%	5.1%	2.7%	4.1%	92%
	Sunset Aeres*	1796	296	259	286	249	97.1%	0.2%	0.6%	1.0%	99%
	EB Williams Stoner Hill Elem*	633	29	36	38	30	65.4%	18.5%	2.7%	11.4%	98%
SHREVEPORT SUMMARY		104224	15914	9286	7002	3130	84.7%	6.4%	2.2%	3.7%	97.0%

*School zone is no longer active. Data is included for informational purposes only to display effectiveness of program while zone was actively enforcing & implementing program.

SITE PLANS

Site plan preparation is a critical phase in ensuring the successful implementation of automated speed, red light, and noise enforcement programs. At Blue Line Solutions, we prioritize comprehensive site surveys to gather precise data on each location, including roadway layouts, traffic flow patterns, school zone specifics, and environmental factors. These surveys are essential to designing accurate site plans that meet safety and operational standards while ensuring proper construction and system performance. ***Our Chattanooga-based team is strategically positioned to provide rapid, hands-on project management, allowing for frequent on-site assessments and seamless communication with local stakeholders.*** This proximity enhances our ability to address challenges promptly and ensures that site plans are both practical and tailored to the City's unique requirements, laying the groundwork for efficient construction and long-term program success.

Below are sample site plans from a recent permit application that was used for a program just outside of Chattanooga, TN:

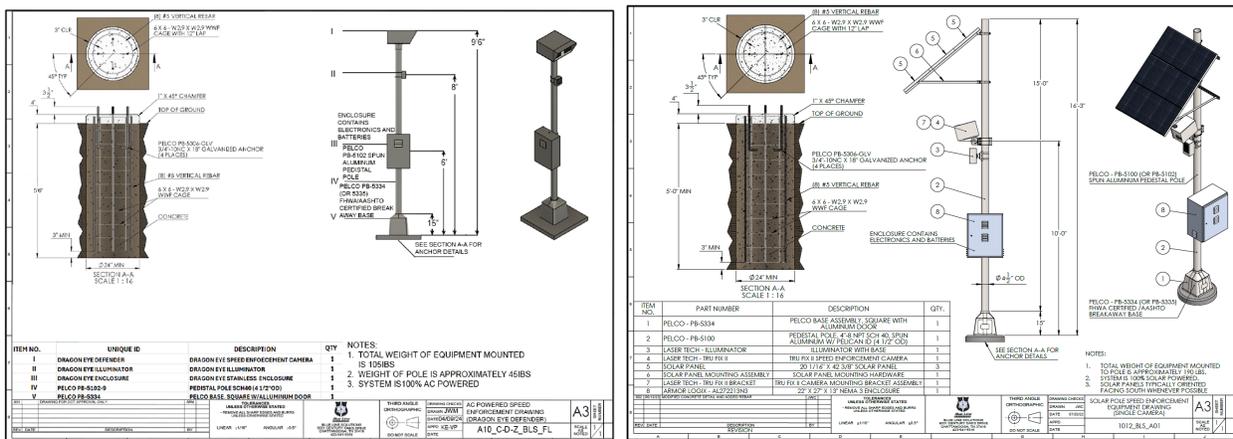


PERMITTING

Blue Line Solutions has a dedicated Field Operations Team that focuses solely on signage and infrastructure permits. With years of experience in this industry, the team is accustomed to working with Traffic Engineers, Public Work Departments, District Engineers, etc. in an effort to obtain permits for every piece of equipment that is installed on the City's right-of-way. It's the goal of the department to provide permit applications, site plans, etc. that are correct the first time, reducing the amount of time and effort of edits by city engineers and/or permitting staff. The permitting process includes, but is not limited to:

- ✓ Site surveys to determine equipment and sign locations
- ✓ Assessing existing school zone and red light enforcement signage
 - Make recommendations for upgrades of legacy school signage and/or flashers
- ✓ Assessing school zone for flasher monitoring to ensure flasher functionality required for adjudication of citations in court.
- ✓ Develop site plans and stamped by Traffic Engineers (mentioned above)
- ✓ Permit application completed and submitted to city/state
- ✓ Utilizing the ETI's from the city selected firm for permitting process
- ✓ Assessment for sign placement per TCA 55-8-198
- ✓ Identifying proper placement of TDOT & MUTCD compliant signage
- ✓ Assess site for functionality prior to operational status

BLS provides detailed technical drawings as part of its permit packages to ensure an efficient review and approval process by the City of Knoxville. These drawings include precise specifications and layouts for all components of our automated speed, red light and noise enforcement systems, such as camera equipment details, pole and foundation designs, electrical connections, etc. Each drawing is developed in compliance with local regulations and engineering standards, and all requisite information needed by the City. Our technical drawings not only demonstrate the functionality and safety of our products but also serve as a critical reference during construction, maintenance and inspections. By providing these comprehensive visual documents, we streamline the permitting process, promote transparency, and ensure that all stakeholders have a clear understanding of the planned equipment that will be installed.



Example technical drawings provided by BLS in permitting

SIGNAGE

BLS provides end-to-end services for the installation of signage and equipment. Our process includes detailed planning, installation, and verification to ensure that all components are correctly placed, operational, and crafted to meet State and local law(s).

Typical construction for each end of a school / work zone consists of a warning sign, a pole-mounted speed display sign (if on a state road, subject to DOT approval), and an Automated Speed Enforcement Camera. Locations vary depending on terrain, existing signage, vegetation, and engineering specifications. Prior to installation, each location will be stacked and located. The signs will typically use diamond-grade DG3 reflective sheeting. These signs are installed on the approach to the school zone and approach to the school zone, and according to state law, and regulations, of the speed reduction zone. Should the Program be canceled, BLS will be responsible for the cost of returning physical locations to their previous state.

For the speed enforcement program, there will be two signs installed on every site, and will be placed in advance of the Automated Traffic Enforcement Safety Device. All signs used will be compliant with the Manual of Uniform Traffic Control Devices (MUTCD) and TDOT. The location of the signs will be included in the site plan. Examples of the signage to be used is to the right.



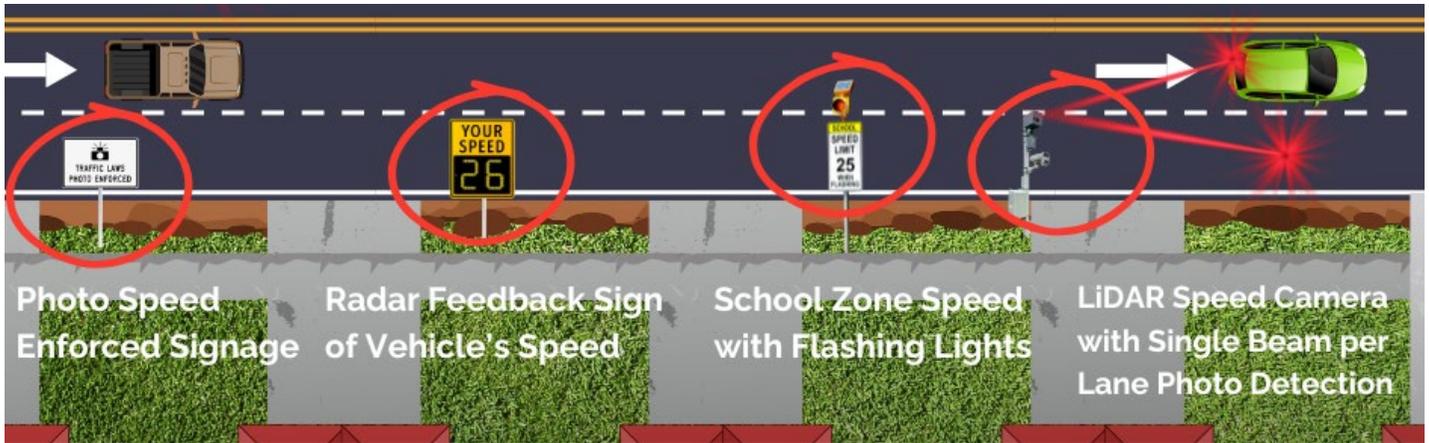
Example of signage proposed for Knoxville's ASE program

Finally, BLS was the first company in the industry to include Radar Feedback Signs (RFS) as part of our School Zone automated speed enforcement program.

While not required by law, Blue Line provides Radar Feedback Signs for every school zone to make drivers aware of their speed prior to entering the school zone. Most companies will not provide this type of technology, as it slows down traffic, leading to fewer citations, which reduces revenue.

TRANSPARENCY IN ACTION

- 1.1 ***Driver passes a photo speed enforcement sign***
- 1.2 ***Driver passes a RFS displaying their speed***
- 1.3 ***Driver passes school zone flashers with the reduced school zone speed limit***
- 1.4 ***Vehicle must be traveling 10+MPH ABOVE the speed limit to receive a citation.***



Sample of our proposed roadway signage set up in a safety zone

This methodology adds a level of **transparency** to the program, as the Mayor, Council Members, and the Chief of Police can prove to the public that the program is about safety, not revenue.

INSTALLATION

Blue Line Solutions has extensive experience installing our solutions in urban environments similar to the City of Knoxville, including cities such as Hollywood, FL, Savannah, GA, and Shreveport, LA. Our Field Operations team is skilled in navigating the unique challenges that come with installing these systems in high-traffic, urban areas, ensuring minimal disruption to local motorists while maintaining strict adherence to safety standards and regulations. To facilitate a smooth construction phase, Blue Line Solutions has partnered with three local minority-owned firms that bring specialized expertise in pole installation with concrete foundations, signage installation, and the setup of radar feedback signs (RFS). These partnerships strengthen our commitment to local economic development and ensure that the construction phase is executed efficiently and in compliance with city codes. With our proven track record and local collaboration, Blue Line Solutions is well-equipped to successfully implement and integrate automated enforcement technology throughout Knoxville's urban landscape.

PROPOSED EQUIPMENT: SPEED DETECTION TECHNOLOGY

BLS' speed capturing and enforcement technology features an industry-leading LiDAR camera mounted with a high-resolution camera. Upon vehicle detection, a speed measurement is taken, and multiple images are captured in less than a second. The event and information captured, based on a pre-defined enforcement schedule, are labeled as a violation based on the day of the week, time of day, calendar date, and measured speed and are clearly visible on all captured citation photos. The fixed and/or mobile LiDAR units then transmit traffic event data to BLS via a BLS-managed, end-to-end, secure mobile data cellular network.

Multiple technical and procedural safeguards exist to prevent systems from issuing violations out of compliance with law/ordinance, including but not limited to annual LiDAR certification controls, Datetime, daylight savings time, and holiday controls. Human review and oversight of all violations

in conjunction with law enforcement review and approval can identify other anomalies or issues and report out-of-band outages, such as school closures.

Hardware safeguards such as GPS-based location controls, internal device controls, and hourly self-diagnostic checks prevent hardware issues that may result in invalid citations. Additionally, all BLS units are completely self-sufficient and physically air-gapped from all agency systems or networks. All units are designed and rated to operate in all weather conditions without interruption, notwithstanding acts of God.

Our TrueBlue™ agency portal is a web-based application that further extends CJIS security requirements. Reviewing and approving agency operators are predefined and limited to only the information sent in a single batch to review captured violations. This web application is presented over strict HTTPS with RSA 256 ciphers and expects officers to have a web browser capable of modern encryption services such as Google Chrome or Microsoft Edge. All transactions operate under a least privilege model, with rest and in-flight encryption mechanisms.

PROPOSED EQUIPMENT: TrueBlue™ LiDAR CAMERA SYSTEM

The integrity and efficiency of any automated traffic enforcement program rests on the foundation of the quality and reliability of the underlying speed sensor and imaging system deployed at the roadside. Law enforcement and city citizens must have confidence that vehicle speed measurements and proper violation of vehicle identification are beyond reproach. While rarely required, the Defender can recycle and capture vehicles as fast as **0.5 seconds**. ***The TrueBlue is easily expanded to cover 4 or more lanes as needed and can capture 6 back-to-back violations in under 9 seconds, averaging just 1.5 seconds of separation between vehicles.***

Laser-based vehicle detection and measurement are unmatched for the positive, foolproof identification of violating vehicles. The laser beam monitoring each lane is crisply defined by a circular aiming reticle, allowing law enforcement officials to positively identify the measured vehicle even in crowded road conditions. Importantly, the TrueBlue LiDAR system was and is designed specifically for speed enforcement. Our system has been precision-designed to capture speeding vehicles or motorcycles traveling in ANY part of the lane or even CROSSING lanes.

The TrueBlue system dedicates a LiDAR speed measurement module to ***each, and every lane*** monitored. The TrueBlue also dedicates an individual high-speed digital camera and CPU for each lane of travel. The result is extremely fast and agile violation detection and capture. The system can capture simultaneous violations in all lanes. It can also capture successive violations in ***all lanes simultaneously, at a rate of two violations per second.***

In addition to a video clip, TrueBlue's rapid image acquisition system captures up to 5 high-resolution images with varying exposure for each violation. This exposure bracketing is a powerful advantage as it allows for license plate legibility even in extremely difficult bright and dark environmental conditions.

Infrared Illumination for night and low light situations allows the TrueBlue to function without the distraction of a white light flash. In addition, the "exposure bracketing" combined with our infrared illuminator provides excellent license plate identification even with difficult nighttime headlight glare, including inclement weather mode. This experience and technology are evident in TrueBlue's ability to cut through heavy rain, snow, and fog. TrueBlue's compact packaging allows the system to be mounted in tight roadside areas with a small standard pedestrian-sign pole

breakaway base. Blue Line's implementation of single-lane video cameras significantly enhances the capability to enforce traffic law violations. This advantage becomes even more pronounced in situations with heavy traffic congestion or on roads frequented by large vehicles like tractor-trailers and construction vehicles. In such environments, traditional still image systems, as used by some competitors, often fail to capture clear images of license plates due to obstructions, resulting in lost opportunities for enforcement.

BLS Cameras are engineered to deliver optimal performance regardless of environmental conditions, ensuring reliable operation in various weather and lighting scenarios. This robust functionality is evidenced in a series of real photographs captured by BLS systems under diverse conditions:

- ✓ **Clear Weather Conditions:** Images captured on clear days demonstrate the system's high-resolution capabilities, showcasing detailed vehicle features and legible license plates, accompanied by an embedded data bar with relevant violation statistics.
- ✓ **Adverse Weather Conditions:** Even in challenging weather conditions such as rain, snow, or fog, BLS cameras maintain their ability to capture clear and actionable images. This is critical for ensuring that enforcement is not hindered by environmental factors.
- ✓ **Low Light Conditions:** Blue Line's technology excels in low light scenarios, including nighttime or during dawn/dusk, thanks to advanced imaging technology and infrared (IR) illuminators. This ensures that the system can effectively capture clear images and identifiable vehicle features 24/7.
- ✓ **High Traffic Scenarios:** In congested traffic conditions, where traditional systems might struggle, Blue Line's lane-specific focus allows for the isolation and clear capture of individual vehicles, ensuring that each violation can be accurately documented and processed.

Each image produced by BLS systems is not only clear but also includes a comprehensive data bar that embeds crucial information about the violation, such as time, location, and speed, along with statistics that aid in the prosecutorial process. ***This level of detail and clarity ensures that each captured image serves as reliable evidence for traffic violation enforcement, supporting legal proceedings and enhancing road safety.***

PROPOSED EQUIPMENT: FIXED PHOTO ENFORCEMENT

Our TrueBlue™ fixed camera technology is superior to any other automated speed enforcement technology (ASET) in that we use single-beam LiDAR (Light Detection and Ranging) to obtain speed measurements of vehicles. ***While most other companies use radar to measure speeds, LiDAR has been proven to be more accurate and 100% effective in determining the speed of a particular vehicle.*** When radar sends a Doppler signal, it is in a wide cone shape, capturing speed data on multiple vehicles at a time; when a person asks, “*how do you know you got me instead of the car behind or beside me?*” It is a difficult answer to provide. ***Our LiDAR emits a single beam to a point on the roadway capturing 600 data points per second as the vehicle travels through the laser.*** Single beam LiDAR provides more data points than any other system by which to calculate speed accurately. By this process, our technology captures only one vehicle, precisely pinpointing not only *which* vehicle it captured but also where the vehicle the laser contacted.

OPTIONAL EQUIPMENT: TRAILER-BASED PORTABLE PHOTO ENFORCEMENT

As demand for automated speed enforcement grows, Blue Line Solutions continues to develop and deploy innovative enforcement and safety solutions to meet every need. In addition to our primary fixed Automated Photo Enforcement solution, Blue Line Solutions also offers a full line of alternative speed and photo enforcement platforms, including Mobile Trailer-based enforcement solutions and hand-held photo enforcement options. Below is an overview of this product line. ***All additional services and solutions can be taken from program revenue rather than operations or capital budget funding.***

Blue Line Solution's complete line of TrueBlue™ Mobile Guardian, solar, and propane-powered mobile surveillance trailers are designed for long-lasting durability and custom integration to meet all your law enforcement and security needs.

Trailers can be customized to meet specific mission requirements, from traffic calming and enforcement to surveillance and crime prevention. They come equipped with a range of technology features such as high-definition cameras with built-in analytics, license-plate readers, motion sensors, visible and audible alarms, and two-way communications, which ***can be tailored to meet the unique needs of the user.***

PROPOSED EQUIPMENT: RED LIGHT PHOTO ENFORCEMENT

For red light photo enforcement, BLS will use the DualVista Camera Series, powered by advanced AI-based software, to revolutionize the way red light camera violations are detected and processed. The AI software embedded in the system delivers unparalleled accuracy and efficiency by leveraging real-time data analysis, ensuring that every traffic violation is captured with precision. Its AI algorithms not only identify red light violations but also accurately detect vehicle speed, behavior, and traffic light status, reducing false positives and ensuring reliable enforcement.

With its high-performance AI chip and signal processing, the system captures violations in multiple lanes simultaneously and processes data instantly. The intelligent image processing software enhances the clarity of images, even in adverse weather or low-light conditions, ensuring high-quality evidence. The AI-enabled system also automates the retrieval and categorization of violations, providing law enforcement with easily accessible, time-stamped, and geolocated evidence. Additionally, the system supports real-time video streaming and immediate data transmission to control centers, allowing for swift action and response to traffic violations.

Red Light Violation Detection:

- Capture Rate: 99%
- Plate Recognition Rate: 98%
- Recognizable Speed: Up to 155 MPH

Our AI's ability to consistently deliver accurate, high-resolution images and video, coupled with Edge AI processing at the camera level, results in faster decision-making, ensuring that law enforcement receives the most precise and efficient evidence possible. This not only enhances road safety but also increases the reliability and effectiveness of traffic enforcement.

Our red light enforcement solution integrates seamlessly into existing traffic management systems, offering versatile connectivity options and robust data handling capabilities.

OPTIONAL EQUIPMENT: ALPR (AUTOMATED LICENSE PLATE READER)

Our capability to integrate seamlessly with any chosen ALPR system sets Blue Line apart. This integration, proven through existing collaborations and consultations, underpins our promise of a comprehensive solution. Our company has solid, longstanding relationships with all vendors in this space, which makes BLS an agnostic supplier. Furthermore, we have a seamless integration with back-end networks.

BLS ensures that all ALPR data will be safeguarded in accordance with Tennessee Statutes and Laws

This ALPR system uses the most intuitive, analytical platform available using our high-resolution surveillance cameras, which lowers the cost and may also allow the cameras to be used for surveillance purposes. Included are:

- ☑ Instantaneous
- ☑ Reads and notifications
 - GSU and/or local Public Safety Answering Point (PSAP)
 - Mobile Data Terminal (MDT's)
 - Mobile Devices (Phone & Tablets)
- ☑ Advanced Search Tools
 - MMCB (Make, Model, Color, Body Style) Detection
 - Full and partial Plate numbers
 - Geofencing
- ☑ Date & Time Search parameters
 - Bread Crumb Tracing: Trace vehicle's movements as they pass cameras.
 - They operate on multiple sources of power. Solar is the primary source of power used; however, AC may be used if placed in an area with low sunlight.

17.2 QUALIFICATIONS & EXPERIENCE OF BLS [RFP IV]

Over the past decade, Blue Line Solutions has implemented and successfully managed over one hundred Photo Speed Enforcement programs in both school zones and work/construction zones using fixed and mobile solutions. Our success has allowed BLS to operate in eleven (11) states including programs in the State of Tennessee and several new states coming on in 2025. Upon contract agreement, our Customer Success Manager and Public Information Officer will begin following the phases and begin planning for a highly successful deployment.

The BLS Public Information Officer (PIO) works with representatives within the police department, city / City government and other stakeholders to facilitate a very robust public awareness campaign. Blue Line Solutions will maintain a positive, productive relationship with the City of Knoxville throughout the life of this program.

Bringing decades of cumulative highway safety experience within the company, BLS places a critical level of importance not seen in any other company in the industry. Together, working with

law enforcement, school systems, and highway safety advocacy groups, BLS works diligently to ensure our programs change the safety of communities by reducing the likelihood of crashes, the severity of crashes, and fatalities on the roadways nationwide.

Blue Line Solutions boasts a well-rounded implementation and management team staffed by experienced professionals from crucial sectors of each service delivery sector, including Field Engineering and Construction, Project Management, Operations, Processing, Customer Success, and Client Relations. This team has been meticulously selected to lead this program, with each member chosen for their individual track record of dedication, expertise, and exceptional performance in similar endeavors. BLS currently manages over 100 Automated Photo Speed Programs.

17.3 HIGHLIGHTS AND TESTIMONIALS [RFP IV]

In addition to the required references, below are three (3) additional examples of successful projects similar in size and scope to this effort.

Shreveport, Louisiana

In Shreveport, Louisiana, we implemented our systems in 35 of 55 total school zones (~100 cameras) throughout the city. Extensive PI&E was done, ranging from press releases and social media graphics to numerous news interviews about the installations of the speed detection systems. The city required this prior to the implementation and activation of the program. BLS was able to meet Shreveport's additional requirements and begin a successful program. Since installing the speed detection system, data has shown a significant speed reduction.

Savannah, Georgia

In Savannah, Georgia, Blue Line Solutions has successfully implemented our system in 16 out of 25 school zones within the city. Since installing the speed detection system, data has shown a significant speed reduction. - Deputy Chief Robert P. Gavin

Youngstown, Ohio

In Youngstown, Ohio we have implemented our systems in 35 out of 43 total school zones throughout the city. Extensive PI&E was done, ranging from press releases and social media to numerous public appearances and news interviews about the installations of the speed detection systems. Since installing the speed detection system, data has shown a significant speed reduction.

17.4 REFERENCES

#1: City of Hollywood, FL Police Department [RFP IV]

Reference's Current Point of Contact Name	Point of Contact E-mail	Point of Contact Phone	Project Description
Major Josh Czerenda	jczerenda@hollywoodfl.org	954-448-8086	Automated Photo Speed Enforcement Program

#2: Wythe Co, VA Sheriff's Department [RFP IV]

Reference's Current Point of Contact Name	Point of Contact E-mail	Point of Contact Phone Number	Project Description
Chief Deputy Anthony Cline	arcline@wytheco.org	276-620-5880	Automated Photo Speed Enforcement Program

#3: City of Savannah, GA, Police Department [RFP IV]

Reference's Current Point of Contact Name	Point of Contact E-mail	Point of Contact Phone	Project Description
Asst. Chief Robert Gavin	rgavin@savannahga.gov	912-651-4352	Automated Photo Speed Enforcement Program

#4: City of Youngstown, OH Police Department [RFP IV]

Reference's Current Point of Contact Name	Point of Contact E-mail	Point of Contact Phone	Project Description
Lt. Brian Welsh	LtWelsh@youngstownohio.gov	276-781-2301	Automated Photo Speed Enforcement Program

#5: City of Bristol, VA Police Department [RFP IV]

Reference's Current Point of Contact Name	Point of Contact E-mail	Point of Contact Phone	Project Description
Major Daryl Milligan	dmilligan@bristolva.org	276-645-7400	Automated Photo Speed Enforcement Program

#6: Chatham Co., GA Police Department [RFP IV]

Reference's Current Point of Contact Name	Point of Contact E-mail	Point of Contact Phone	Project Description
Chief Jeffrey M. Hadley	jihadley@chathamcounty.org	540-828-2611	Automated Photo Speed Enforcement Program

#7: Smyth County, VA Sheriff's Department [RFP IV]

Project Manager	E-mail	Phone	Project Description
Sheriff Chip Shuler	cashuler@smythcounty.org	912.346.8329	Automated Photo Speed Enforcement Program



BLUE LINE SOLUTIONS

Blue line solutions demonstrate their focus is to reduce the number of lives lost on our roadways, and they back that up with results.

Blue line solutions are professional and committed to results for the community.

Blue line solutions have been responsive and worked to assist our agency with rollout and community messaging.

ASST. CHIEF ROBERT GAVIN
SAVANNAH POLICE DEPARTMENT
MANAGEMENT INFORMATION DIVISION

P.O. Box 8032 • Savannah, Georgia 31412 • 912-651-6675 • Fax 912-651-6683



CHATHAM COUNTY POLICE DEPARTMENT

295 Police Memorial Drive, Savannah, GA , 31405

(912) 652-6920 FAX: (912)650-6130

Chief Jeffrey M. Hadley Assistant Chief Terry Shoop Assistant Chief Julie Tolbert

September 25, 2023

**Gena Sullivan
Communication Specialist
Blue Line Solutions**

Mrs. Sullivan:

The Chatham County Police Department has had an excellent relationship with Blue Line Solutions for well over two years. They have been a true partner in establishing our "School Zone Camera" program assisting us every step of the way from Implementation, community outreach and engagement, and on-going technical support.

I wanted to thank Blue Line Solutions and their staff for the upmost professional services, partnership, and assistance with our program.

Professionally,

**Chief Jeffrey M. Hadley
Chatham County Police Department**



SHREVEPORT POLICE DEPARTMENT

January 23, 2024

Chief Wayne Smith
Shreveport LA Police Department
Shreveport, LA

Mark Hutchinson, Founder & CEO
Blue Line Solutions, LLC
4409 Oakwood Dr
Chattanooga, TN

Mr. Hutchinson,

I'm writing to you on behalf of the Shreveport Police Department to express our sincere appreciation to you and your company.

Our partnership began on February 2, 2022, when we entered into a contract with Blue Line Solutions as the chosen vendor to provide automated speed enforcement in our school zones. As with most new programs, we had some challenges, but you and your company worked tirelessly and diligently with the city and the police department to overcome those challenges in a most professional and organized fashion.

Having your own permitting department has eased the pain that sometimes comes with new construction approvals and installations. This department worked to ensure that our state requirements were met and continues to provide support on an ongoing basis.

I would be remiss if I did not mention your ALPR cameras. Since installation began, we have had numerous successes in solving crimes in our city. Having sent one of your own across several states to train our entire department, spending the entire day letting our folks trickle in and out as their schedules permitted, proved to be very beneficial in using your ALPR software. The quality of the reads, ease of searching for vehicles, and never-lacking customer support have been phenomenal.

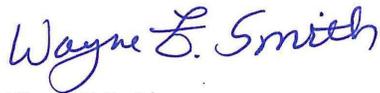
1234 TEXAS AVENUE, SHREVEPORT, LOUISIANA 71101 | WWW.SHREVEPORTLA.GOV/DEPT/POLICE

Mr. Mark Hutchinson
January 23, 2024
Page 2

Blue Line developers have also worked relentlessly for the successful integration of their ALPR units with Fusus to enhance the capabilities of our Real Time Crime Center. That full cutover is scheduled in the coming weeks.

I believe that our partnership has created a safer environment in the City of Shreveport. Thank you and Blue Line Solutions employees for that partnership.

Respectfully,



Wayne E. Smith
Chief of Police



WYTHE COUNTY
SHERIFF'S OFFICE

Wythe County Law Enforcement & Judicial Complex
245 South Fourth Street
Wytheville, Virginia 24382

CHARLES W. FOSTER
SHERIFF

Office (276) 223-6000
Fax (276) 223-6127

June 1, 2023

Mark Hutchinson
3903 Volunteer Drive Ste 400
Chattanooga, TN 37416

Mr. Hutchinson,

In January 2022 the Wythe County Sheriff's Office set out to find a partner to assist with slowing traffic down in our school zones. Blue Line Solutions was selected as our photo speed vendor. I wanted to send you a letter to let you know how our partnership is working.

When this process first started we needed to see how bad our speeding problem was and you provided us with free speed studies to identify the problem. The next step was to obtain permits. I was so thankful that your company handled all the necessary paperwork and permits with the Virginia Department of Transportation. Our school zone signs were out of date and your company agreed to replace them at no charge to this agency or county taxpayer. We now have permanent photo speed cameras and I can tell the speeding has begun to slow down. Traffic is moving much slower and the drivers seem to be more attentive.

This past month we held our annual Memorial Golf Tournament to remember one of our fallen deputies that was killed in the line of duty. I would also like to thank you for sponsoring our golf tournament. Your sponsorship will help fund scholarship opportunities for graduating high school students to attend college. Your dedication to our community does not go unnoticed.

In closing, I wanted to let you know I have contacted many people at Blue Line Solutions with questions throughout this process. I have always been treated more as a friend than just another client. They always answer my questions and are very quick to respond. I never had a moment when I didn't know what was about to happen next. They kept me well-informed of the process. I want to thank you for being a partner and not just a vendor to our county!

Respectfully,

Chief Deputy Anthony Cline

17.5 QUALIFICATIONS & EXPERIENCE OF KEY BLS PERSONNEL IRFP IVI

Blue Line Solution's team includes a highly experienced group dedicated to delivering excellence in every phase of the program from implementation through service. Our leadership team is located in Chattanooga, TN and brings decades of expertise in traffic safety, law enforcement collaboration, permitting, and construction management, ensuring smooth and efficient project execution. With a focus on technology and innovation, we design and deploy cutting-edge enforcement solutions tailored to meet the unique needs of each community.

Many of our team members have direct experience in law enforcement and traffic safety, equipping us with a deep understanding of the challenges agencies face and the best practices to address them. Guided by our mission of enhancing safety in the communities we serve, we approach every project with a commitment to reducing accidents, protecting lives, and building trust with the public through reliable and transparent programs.

MARK HUTCHINSON – CHIEF EXECUTIVE OFFICER (CEO)

Mark's extensive 30+ year background in law enforcement and highway safety has clearly shaped the core mission of his company. His experience as a Chief Deputy and Traffic Commander, along with his roles in both Georgia and Tennessee Governor's Highway Safety Offices, gives him a unique, data-driven perspective on what it takes to reduce accidents and improve driving behavior.

By founding the company in 2010, he was able to translate his deep knowledge of law enforcement into a business that prioritizes the safety of communities over simply generating revenue. This approach sets Blue Line Solutions apart from traditional photo enforcement companies, as the focus is on long-term behavioral change rather than just ticketing violators.

Mark's leadership ensures that the company doesn't just deploy technology, but also integrates strategic, community-focused initiatives that aim to make roads safer. This philosophy resonates well with public officials, transportation agencies, and communities looking for sustainable highway safety solutions.

DOUG DEIHL – CHIEF OPERATING OFFICER (COO)

Doug is the COO at BLS, where he oversees supply chain management, manufacturing, permitting, installation, field service, marketing, and customer service operations. A seasoned leader with over 20 years of experience, Doug has held executive roles in sales, marketing, operations, and service. Doug is a graduate of a leadership development program at General Electric and has successfully managed complex, multimillion-dollar projects for state and local municipalities nationwide. His experience includes airport and border security initiatives in collaboration with federal agencies such as U.S. Customs and Border Protection (CBP) and the Transportation Security Administration (TSA). He holds an MBA from the University of North Carolina at Chapel Hill and a bachelor's degree from Connecticut College.

ZACH WATTS - CHIEF TECHNOLOGY OFFICER

Zach is an accomplished technology leader boasting 12 years of theoretical and practical software development experience and is currently spearheading Blue Line Solutions as CTO. With a focus on large-scale software architecture, compliance, and IT systems. As CTO, he leads a team of engineers who have developed a violation management and traffic insights system capable of processing millions of daily events with modern cloud-scale elasticity/ efficiency and maintaining

robust federal and state regulatory adherence and policy enforcement. Motivated by user-centric principles, Zach's commitment to enhancing technology continues to shape impactful and secure innovation.

JAMES HARDEMAN - VICE PRESIDENT OF FIELD OPERATIONS

Retired Asst. Chief of Police (27 Years). Upon award of the contract, James and his staff will begin communicating with the assigned ranks within the Agency to discuss and begin planning for permit applications to the Department of Transportation to install automated speed enforcement cameras in school and construction zones. The permit team has worked with DOTs in multiple states throughout the country and has expertise in government relations, site plan preparation, technical drawings, infrastructure installation, and DOT (Department of Transportation) application processes.

TATE GENTRY – PROJECT MANAGER

Tate Gentry is our Director of Field Operations with over 8 years of experience in successfully leading and delivering complex projects across the photo speed and construction industry. Known for a strategic approach and exceptional leadership, Tate excels in managing cross-functional teams, driving efficiency, and ensuring project goals align with client expectations. With expertise in project planning, risk management, and stakeholder communication, Tate consistently delivers projects on time and within budget while maintaining a focus on quality and client satisfaction. Passionate about continuous improvement, Tate thrives in dynamic environments and is committed to delivering results that exceed expectations.

KAYLA CASH – PROCESSING OPERATIONS MANAGER

Kayla Cash has an in-depth background in supervising the implementation, adoption, product management and customer service for many state, local and federal agencies. Kayla meshes these traits together with her technical background to make the perfect individual for the BLS Processing Operations Manager. Kayla manages over twenty Processing Agents who are responsible for quickly reviewing and processing citations before the Agency Approval phase.

GABRIELLE ROCKWELL – DIRECTOR OF PUBLIC INFORMATION & EDUCATION

Gabby Rockwell serves as the marketing point of contact for Blue Line Solutions. At Blue Line Solutions, Gabby focuses on the Public Information & Education (PI&E) for all safety programs, helping to create customized transparent, and equitable resources for all stakeholders to share in their community. This includes graphics, copy, and data reports specific to that locality's speed studies, warning period, enforcement, and year-over-year safe driving behaviors. Gabby earned a master's in public policy focusing on State and Local Government and Econometrics from Pepperdine University and an undergraduate degree from Nazareth University.

SCOTT WOODEN – DIRECTOR OF SERVICE & SUPPORT

Scott Wooden brings over 20 years of experience in Service and Production within the technology industry to his role at Blue Line Solutions. As the leader of our remote support call center and field service teams, Scott ensures the delivery of top-tier preventative and corrective maintenance for

our enforcement systems deployed across the nation. His responsibilities also include managing relationships with subcontracted service partners in select regions, and ensuring consistent, high-quality service. Scott's leadership is integral to maintaining system reliability and optimizing operational efficiency, reinforcing Blue Line Solutions' commitment to safety and excellence.

17.6 BLS' PRICING/COST [RFP IV]

This proposal and pricing will remain binding for at least one hundred and twenty (120) days from the proposal date. Delivery fees have been included in the total pricing. We look forward to hearing from your office and hope to work with you. If you have any questions, please feel free to contact me or any of our contacts listed below. I can be reached at 423.333.0490 or by email at mark@bluelinesolutions.org.

The pricing sheet is located at the end of the document for easier review. (pg. 126)

17.7 BLS' FINANCIAL HISTORY [RFP IV]

As mentioned above, BLS is financially sound, strong, and reliable. Our company produces approximately \$20 million of annual revenue and we continue to grow. BLS exceeds all insurance requirements and will always maintain a COI on file with The City. BLS is authorized to, and currently providing business in the State of Tennessee.

Blue Line Solutions, LLC is a stable company with positive EBITDA and in operation for more than 12 years. The company is currently in a rapid growth stage and will continue on that trajectory for the foreseeable future. The company has full backing and support from Private Equity funding and has no concerns about the ability to provide products and services as outlined in this RFP.

The requested BLS financial audit report can be found below.

Company Proprietary: BLS asks that this information be redacted before public release.

BLUE LINE INNOVATIONS HOLDINGS, LLC

PROFIT & LOSS

FOR THE YEARS ENDED DECEMBER 31, 2023 AND DECEMBER 31, 2022

	Jan - Dec 23	Jan - Dec 22
REVENUE	16,079,230	11,614,785
COST OF SALES	4,784,922	4,014,674
GROSS PROFIT	11,294,308	7,600,111
EXPENSE - S,G&A	13,816,748	7,427,624
PRE-TAX INCOME (LOSS)	(2,522,440)	172,486
EBITDA	1,947,767	1,714,120

PROPIETARY AND CONFIDENTIAL

****NOT SUBJECT TO FOIA REQUEST****

BLUE LINE INNOVATIONS HOLDINGS, LLC
BALANCE SHEETS

	<u>DEC. 31, 2023</u>	<u>DEC. 31, 2022</u>
ASSETS		
CASH & ACCOUNTS RECEIVABLE	(8,575,734)	(725,139)
OTHER CURRENT ASSETS	<u>511,005</u>	<u>262,841</u>
TOTAL CURRENT ASSETS	(8,064,729)	(462,299)
FIXED ASSETS	11,006,257	6,327,834
OTHER ASSETS	<u>9,816,604</u>	<u>10,993,301</u>
TOTAL ASSETS	<u>12,758,133</u>	<u>16,858,837</u>
LIABILITIES & EQUITY		
LIABILITIES		
CURRENT LIABILITIES	3,279,394	3,969,454
OTHER CURRENT LIABILITIES	<u>977,476</u>	<u>1,331,621</u>
TOTAL CURRENT LIABILITIES	4,256,870	5,301,074
LONG TERM LIABILITIES	<u>9,476,353</u>	<u>10,010,413</u>
TOTAL LIABILITIES	13,733,223	15,311,487
EQUITY	<u>(975,091)</u>	<u>1,547,349</u>
TOTAL LIABILITIES & EQUITY	<u>12,758,133</u>	<u>16,858,837</u>

PROPIETARY AND CONFIDENTIAL

****NOT SUBJECT TO FOIA REQUEST****

ADDENDUM 1: BLS IN THE PRESS

Below is a growing list of Blue Line Solutions' press attention to include news articles and videos.

Article Links:

- <https://www.wjhl.com/news/numbers-reveal-positive-results-from-speed-zone-cameras-in-brisol-va/>
- <https://www.amisun.com/2024/06/04/cameras-to-ticket-school-zone-speeders/>
- <https://www.mahoningmatters.com/news/local/article292800499.html>
- <https://www.wric.com/news/local-news/sussex-county-activating-speed-cameras-in-problem-school-zone/>
- <https://whatsupnewp.com/2024/06/middleCity-aims-for-safer-roads-with-speed-cameras/>

Video Links:

- <https://youtu.be/m4tfnLeXR38?si=DIGRCa7qV9QZPWVq>
- <https://youtube.com/shorts/R49H0lhDMS0?si=3LgCxl73SBOTw63u>

ADDENDUM 2: BLS DIVERSITY PARTNER MEMO OF UNDERSTANDING

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (“MOU”) is made and entered into as of the 7th day of November, 2024 (the “Effective Date”), by and between:

Blue Line Solutions, LLC
4409 Oakwood Drive, Chattanooga, TN 37416
(hereinafter referred to as “BLS”)

and

DLZ National, Inc.
800 South Gay Street, Ste 700, First Horizon Bldg., Knoxville, TN 37929
(hereinafter referred to as “Vendor”).

RECITALS

WHEREAS, BLS is interested in exploring potential vendor opportunities related to Knoxville Tennessee’s Request for Proposal #0000364271 (the “RFP”);

WHEREAS, Vendor has expertise and capabilities that may align with the requirements of the RFP and is interested in exploring the possibility of a future business relationship with BLS;

WHEREAS, the Parties desire to enter into this MOU to outline their mutual understanding of the intended cooperation for the purpose of exploring vendor opportunities in relation to the RFP.

NOW, THEREFORE, BLS and Vendor (each a “Party” and collectively the “Parties”) agree as follows:

1. Purpose

The purpose of this MOU is to establish a framework for cooperation between the Parties to explore and evaluate potential opportunities for Vendor to provide goods and/or services in connection with RFP #0000364271 issued by Knoxville Tennessee.

2. Scope of Cooperation

The Parties agree to engage in discussions and share relevant information related to the RFP, including but not limited to:

- **Evaluating the requirements of the RFP** and determining the potential fit of Vendor’s products/services to meet customer requirements.
- **Discussing potential roles and responsibilities** of each Party should a formal partnership or subcontracting relationship be pursued.
- **Collaborating on scope**, ensuring that all aspects of the project are aligned with customer needs and expectations.
- **Providing timely and competitive quotes** based on potential future work, taking into account the specific requirements and timelines of the RFP.

- **Negotiating in good faith** regarding any future agreements, ensuring that both Parties' interests are fairly represented and that the collaboration remains mutually beneficial.
- **Collaborating on any necessary submissions, documentation, or presentations** related to the RFP.
- **Assessing any additional resources, technologies, or expertise** that may be required to respond effectively to the RFP.

3. Non-Binding Nature

This MOU is intended to facilitate discussions and explore potential opportunities. It does not create any binding obligations on either Party to enter into a future agreement or to provide any products or services unless and until a definitive agreement is executed by both Parties.

4. Confidentiality

Each Party agrees to treat all non-public information received from the other Party in connection with this MOU as confidential. Such information shall not be disclosed to any third party without the prior written consent of the disclosing Party, except as required by law or regulation.

5. Term

This MOU shall be effective as of the Effective Date and shall remain in effect until the earlier of (i) the Parties entering into a definitive agreement, (ii) the completion of the evaluation process for the RFP, or (iii) the expiration of 12 months from the Effective Date, unless terminated earlier by either Party with 30 days' written notice.

6. Governing Law

This MOU shall be governed by and construed in accordance with the laws of the State of Tennessee, without regard to its conflict of laws principles.

7. Miscellaneous

- **Amendments:** This MOU may only be amended or modified by a written agreement signed by both Parties.
- **No Assignment:** Neither Party may assign its rights or obligations under this MOU without the prior written consent of the other Party.
- **Counterparts:** This MOU may be executed in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.
- **Use of business name:** The perspective vendor consents to use of their name in the RFP submission as a potential sub-contractor with Blue Line Solutions.

IN WITNESS WHEREOF, the Parties have executed this MOU as of the Effective Date.

BLUE LINE SOLUTIONS, LLC

By: James Hardeman

Name: James Hardeman

Title: Vice President of Field Operations

DLZ National, Inc.

By: Miguel A. Trevino

Name: Miguel A. Trevino

Title: Vice President

Address: 800 South Gay Street, Ste 700, Knoxville, TN 37929

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MOU") is made and entered into as of the 12th day of November, 2024 (the "Effective Date"), by and between:

Blue Line Solutions, LLC

4409 Oakwood Drive, Chattanooga, TN 37416
(hereinafter referred to as "BLS")

and

Blount Contractors Inc

635 Dameron Avenue, Knoxville, TN 37921
(hereinafter referred to as "Vendor").

RECITALS

WHEREAS, BLS is interested in exploring potential vendor opportunities related to Knoxville Tennessee's Request for Proposal #0000364271 (the "RFP");

WHEREAS, Vendor has expertise and capabilities that may align with the requirements of the RFP and is interested in exploring the possibility of a future business relationship with BLS;

WHEREAS, the Parties desire to enter into this MOU to outline their mutual understanding of the intended cooperation for the purpose of exploring vendor opportunities in relation to the RFP.

NOW, THEREFORE, BLS and Vendor (each a "Party" and collectively the "Parties") agree as follows:

1. Purpose

The purpose of this MOU is to establish a framework for cooperation between the Parties to explore and evaluate potential opportunities for Vendor to provide goods and/or services in connection with RFP #0000364271 issued by Knoxville Tennessee.

2. Scope of Cooperation

The Parties agree to engage in discussions and share relevant information related to the RFP, including but not limited to:

- **Evaluating the requirements of the RFP** and determining the potential fit of Vendor's products/services to meet customer requirements.
- **Discussing potential roles and responsibilities** of each Party should a formal partnership or subcontracting relationship be pursued.
- **Collaborating on scope**, ensuring that all aspects of the project are aligned with customer needs and expectations.
- **Providing timely and competitive quotes** based on potential future work, taking into account the specific requirements and timelines of the RFP.

- **Negotiating in good faith** regarding any future agreements, ensuring that both Parties' interests are fairly represented and that the collaboration remains mutually beneficial.
- **Collaborating on any necessary submissions, documentation, or presentations** related to the RFP.
- **Assessing any additional resources, technologies, or expertise** that may be required to respond effectively to the RFP.

3. Non-Binding Nature

This MOU is intended to facilitate discussions and explore potential opportunities. It does not create any binding obligations on either Party to enter into a future agreement or to provide any products or services unless and until a definitive agreement is executed by both Parties.

4. Confidentiality

Each Party agrees to treat all non-public information received from the other Party in connection with this MOU as confidential. Such information shall not be disclosed to any third party without the prior written consent of the disclosing Party, except as required by law or regulation.

5. Term

This MOU shall be effective as of the Effective Date and shall remain in effect until the earlier of (i) the Parties entering into a definitive agreement, (ii) the completion of the evaluation process for the RFP, or (iii) the expiration of 12 months from the Effective Date, unless terminated earlier by either Party with 30 days' written notice.

6. Governing Law

This MOU shall be governed by and construed in accordance with the laws of the State of Tennessee, without regard to its conflict of laws principles.

7. Miscellaneous

- **Amendments:** This MOU may only be amended or modified by a written agreement signed by both Parties.
- **No Assignment:** Neither Party may assign its rights or obligations under this MOU without the prior written consent of the other Party.
- **Counterparts:** This MOU may be executed in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.
- **Use of business name:** The perspective vendor consents to use of their name in the RFP submission as a potential sub-contractor with Blue Line Solutions.

IN WITNESS WHEREOF, the Parties have executed this MOU as of the Effective Date.

BLUE LINE SOLUTIONS, LLC

By: James Hardeman

Name: James Hardeman

Title: Vice President of Field Operations

BLOUNT CONTRACTORS, INC.

By: S. Patrick Perry

Name: S. Patrick Perry

Title: Executive Vice-President

Address: 635 Dameron Avenue

Knoxville, TN 37921

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MOU") is made and entered into as of the 18th day of November, 2024 (the "Effective Date"), by and between:

Blue Line Solutions, LLC

4409 Oakwood Drive, Chattanooga, TN 37416
(hereinafter referred to as "BLS")

and

English Mountain Construction

[Vendor Address]

(hereinafter referred to as "Vendor").

RECITALS

WHEREAS, BLS is interested in exploring potential vendor opportunities related to Knoxville Tennessee's Request for Proposal #0000364271 (the "RFP");

WHEREAS, Vendor has expertise and capabilities that may align with the requirements of the RFP and is interested in exploring the possibility of a future business relationship with BLS;

WHEREAS, the Parties desire to enter into this MOU to outline their mutual understanding of the intended cooperation for the purpose of exploring vendor opportunities in relation to the RFP.

NOW, THEREFORE, BLS and Vendor (each a "Party" and collectively the "Parties") agree as follows:

1. Purpose

The purpose of this MOU is to establish a framework for cooperation between the Parties to explore and evaluate potential opportunities for Vendor to provide goods and/or services in connection with RFP #0000364271 issued by Knoxville Tennessee.

2. Scope of Cooperation

The Parties agree to engage in discussions and share relevant information related to the RFP, including but not limited to:

- **Evaluating the requirements of the RFP** and determining the potential fit of Vendor's products/services to meet customer requirements.
- **Discussing potential roles and responsibilities** of each Party should a formal partnership or subcontracting relationship be pursued.
- **Collaborating on scope**, ensuring that all aspects of the project are aligned with customer needs and expectations.
- **Providing timely and competitive quotes** based on potential future work, taking into account the specific requirements and timelines of the RFP.

- **Negotiating in good faith** regarding any future agreements, ensuring that both Parties' interests are fairly represented and that the collaboration remains mutually beneficial.
- **Collaborating on any necessary submissions, documentation, or presentations** related to the RFP.
- **Assessing any additional resources, technologies, or expertise** that may be required to respond effectively to the RFP.

3. Non-Binding Nature

This MOU is intended to facilitate discussions and explore potential opportunities. It does not create any binding obligations on either Party to enter into a future agreement or to provide any products or services unless and until a definitive agreement is executed by both Parties.

4. Confidentiality

Each Party agrees to treat all non-public information received from the other Party in connection with this MOU as confidential. Such information shall not be disclosed to any third party without the prior written consent of the disclosing Party, except as required by law or regulation.

5. Term

This MOU shall be effective as of the Effective Date and shall remain in effect until the earlier of (i) the Parties entering into a definitive agreement, (ii) the completion of the evaluation process for the RFP, or (iii) the expiration of 12 months from the Effective Date, unless terminated earlier by either Party with 30 days' written notice.

6. Governing Law

This MOU shall be governed by and construed in accordance with the laws of the State of Tennessee, without regard to its conflict of laws principles.

7. Miscellaneous

- **Amendments:** This MOU may only be amended or modified by a written agreement signed by both Parties.
- **No Assignment:** Neither Party may assign its rights or obligations under this MOU without the prior written consent of the other Party.
- **Counterparts:** This MOU may be executed in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.
- **Use of business name:** The perspective vendor consents to use of their name in the RFP submission as a potential sub-contractor with Blue Line Solutions.

IN WITNESS WHEREOF, the Parties have executed this MOU as of the Effective Date.

BLUE LINE SOLUTIONS, LLC

By: James Hardeman
Name: James Hardeman
Title: Vice President of Field Operations

[VENDOR NAME]

By: Jacob Seth Ewing - EMC
Name: Jacob Seth Ewing
Title: President

Address: P.O. BOX 3059
Morristown, TN 37815

ADDENDUM 3 – BUSINESS LICENSE [RFP VII]



**City of Chattanooga
Business Tax Standard License**

April 16, 2024

BLUE LINE SOLUTIONS
3903 VOLUNTEER DR STE 400
CHATTANOOGA TN 37416-3860

Letter ID: L0823948608
Expiration Date: 15-May-2025
Return Due By: 15-Apr-2025

The business tax license printed below certifies the receipt and approval of your business tax license application or the renewal of a license for your existing business. The license is valid until the expiration date noted above. Your license number is 1001606232 and your classification is 3. The certificate must be displayed publicly at the location for which it is issued.

All business tax returns are required to be filed and the payment remitted electronically. Your return is due on April 15, 2025. Please visit www.tn.gov/revenue for additional information.

Note: This license does not permit operation unless properly zoned and/or in compliance with all other applicable state, county, or city laws, rules and regulations. Also, as required by Tenn. Code Ann. § 39-17-1801 et seq., businesses must comply with all provisions of the Tennessee Non-Smoker Protection Act.

DETACH LICENSE BELOW AND DISPLAY IN PUBLIC AREA



**City of Chattanooga
Business Tax Standard License**

This certificate must be publicly displayed.

BLUE LINE SOLUTIONS
4409 OAKWOOD DR BLDG 1-2
CHATTANOOGA TN 37416-2367



Date Issued: 16-Apr-2024
Classification: 3
Letter ID: L0823948608
License Number: 1001606232
Expiration Date: 15-May-2025

ADDENDUM 4 – CERTIFICATE OF LIABILITY INSURANCE [RFP VI]



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
05/28/2024

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

PRODUCER Willis Towers Watson Northeast, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 372305191 USA	CONTACT NAME: Willis Towers Watson Certificate Center PHONE (A/C, No, Ext): 1-877-945-7378 FAX (A/C, No): 1-888-467-2378 E-MAIL ADDRESS: certificates@willis.com
INSURER(S) AFFORDING COVERAGE	
INSURER A: Twin City Fire Insurance Company	NAIC# 29459
INSURER B: Hartford Fire Insurance Company	19682
INSURER C: North River Insurance Company	21105
INSURER D: Ascot Insurance Company	23752
INSURER E:	
INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** W33698734 **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR VVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GENL AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:		Y	30 ECS 0F8734	04/01/2024	04/01/2025	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMPIOP AGG \$ 4,000,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY		Y	30 AB S79602	04/01/2024	04/01/2025	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			30 BU 0N1862	04/01/2024	04/01/2025	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	30 WN S79600	04/01/2024	04/01/2025	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Excess Umbrella Liability			5228127792	04/01/2024	04/01/2025	Each Occurrence \$5,000,000 Aggregate \$5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 Umbrella/Excess Liability sits excess over the General Liability, Auto Liability and Employers Liability.
 SEE ATTACHED

CERTIFICATE HOLDER City of Hollywood Florida Attn: Mayor Josh Levy 2600 Hollywood Blvd. Hollywood, FL 33020	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
--	--

AGENCY CUSTOMER ID: _____
LOC #: _____



ADDITIONAL REMARKS SCHEDULE

Page 2 of 2

AGENCY Willis Towers Watson Northeast, Inc.		NAMED INSURED Blue Line Solutions, LLC 3903 Volunteer Drive Suite 400 Chattanooga, TN 37416	
POLICY NUMBER See Page 1		EFFECTIVE DATE: See Page 1	
CARRIER See Page 1	NAIC CODE See Page 1		

ADDITIONAL REMARKS

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

Certificate Holder is included as an Additional Insured as respects to General Liability and Auto Liability.

INSURER AFFORDING COVERAGE: Ascot Insurance Company NAIC#: 23752
POLICY NUMBER: BXNA2410000241-03 EFF DATE: 04/01/2024 EXP DATE: 04/01/2025

TYPE OF INSURANCE:	LIMIT DESCRIPTION:	LIMIT AMOUNT:
Excess Umbrella Liability	Each Occurrence	\$10,000,000
	Aggregate	\$10,000,000

ADDITIONAL REMARKS:
This policy is excess over policy #5228127792

ACORD 101 (2008/01)

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SR ID: 25926011 BATCH: 3478240 CERT: W33698734

ADDENDUM 5 – W9 TAX DOCUMENT

Form W-9
 (Rev. October 2018)
 Department of the Treasury
 Internal Revenue Service

Request for Taxpayer Identification Number and Certification

▶ Go to www.irs.gov/FormW9 for instructions and the latest information.

Give Form to the requester. Do not send to the IRS.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.
BLUE LINE SOLUTIONS, LLC

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.

Individual/sole proprietor or single-member LLC
 C Corporation
 S Corporation
 Partnership
 Trust/estate

Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ **P**

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):
 Exempt payee code (if any) _____
 Exemption from FATCA reporting code (if any) _____
(Profile to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.
4409 OAKWOOD DRIVE

6 City, state, and ZIP code
CHATTANOOGA, TN 37416

7 List account number(s) here (optional)

Requester's name and address (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number
 [] [] [] - [] [] - [] [] [] []

OR
 Employer identification number
 4 6 - 0 5 8 0 2 2 3

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here

Signature of U.S. person ▶ *Bianca Marchant*

Date ▶ 01/02/2024

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding*, later.



Zero Crashes
 Zero Injuries
 Zero Fatalities.

CONCLUSION

With a robust foundation in traffic safety and law enforcement and a proven track record of success, BLS stands out as a strategic partner capable of delivering substantial improvements in traffic management and public safety for communities, particularly in high-risk zones like schools and construction areas. Our proactive approach to public engagement and education, combined with sophisticated enforcement technology, ensures effective solutions tailored to meet the specific needs of municipalities.

BLS wants you to consider this information before implementing your School-Zone Enforcement and Safety Program. The following information outlines the type of equipment provided, costs, and implementation strategies. BLS will meet or exceed the services detailed in the City of Knoxville **Traffic Safety Photo Enforcement Services RFP RFP24TrafficCamera-pmo**.

Digital Information, Videos, and PSAs: BLS has developed a series of brief videos to showcase its technology, demonstrate its user-friendliness, and present examples of Public Service Announcements (PSAs) produced by BLS. These videos are designed to provide a comprehensive understanding of BLS's offerings and their application in enhancing traffic safety and enforcement.

1. [Blue Line Solutions – Who We Are](#)
2. [Shreveport, LA – Program Partnership & Success](#)
3. [Ren'gia Majors Safety Program](#)
4. [Rincon, GA – Speed Safety Enforcement](#)
5. [NewGuard™ – Backend & Violation Processing](#)

BLS strives to make each of our contracts the best experience a client has ever had with a contractor. The City of Knoxville will be no exception.

Sincerely,



Mark Hutchison
Founder & CEO
Blue Line Solutions, LLC





Re: City of Knoxville: RFP24TrafficCamera-pmo
 Automated Traffic Enforcement Safety Device Program
 11-20-2024

Blue Line Solutions is pleased to provide the following pricing data to the City of Knoxville.

a) A flat monthly fee, per camera location, payable by the City to your Contractor for the proposed turnkey program (includes all operating expenses and management fees).

Program	Monthly Fee (per Camera Location)
Traffic Signal (25)	\$1,850/Mo. per Unit
Speed Zone (100)	\$2,000/Mo. per Unit
Noise (2)	\$0 (For 1 st 2 Units) – Additional Units Subject to Further Negotiation

b) A percentage of projected revenues collected from the violation fees, with the Contractor retaining ownership of equipment. Proposers may want to provide several payment levels based on volume.

Program	Percentage of Projected Revenue from Violation Fees (Contractor Owned Equipment)	
Traffic Signal (25)	City of Knoxville: 52%	Blue Line Solutions: 48%
Speed Zone (100)	City of Knoxville: 52%	Blue Line Solutions: 48%
Noise (2)	City of Knoxville: 52%	Blue Line Solutions: 48%

c) A percentage of projected revenues collected from the violation fees, with the City assuming ownership of equipment after projected date, including the projected cost of City purchasing equipment (to include, but broken down by these categories: equipment, installation, maintenance – both equipment and system, and management of citations)

Program	Percentage of Projected Revenue from Violation Fees (City Owned Equipment)	
Traffic Signal (25)	City of Knoxville: 100%	Blue Line Solutions: 0%
Speed Zone (100)	City of Knoxville: 100%	Blue Line Solutions: 0%
Noise (2)	City of Knoxville: 100%	Blue Line Solutions: 0%
Item	Cost	
Equipment	Traffic Signal (25): \$562,500 Speed Zone (100): \$2,714,000 Noise (2): \$103,000	

Installation	Traffic Signal (25): \$511,786 Speed Zone (100): \$1,710,000 Noise (2): \$30,000
Equipment Maintenance	Traffic Signal (25): \$1,940/Unit - Annually Speed Zone (100): \$1,200/Unit - Annually Noise (2): \$9,400/Unit - Annually
System Maintenance	\$0 (Included Above)
Additional Training	\$0
Citation Management	\$12 per processed violation

- Power & Network Connectivity/Data will be responsibility of City for City Owned Equip.
- Cost to City for moving any device to different location: \$35,000 per location.