



Sensys
Gatso
USA

Manlius, New York
Automated Traffic Enforcement

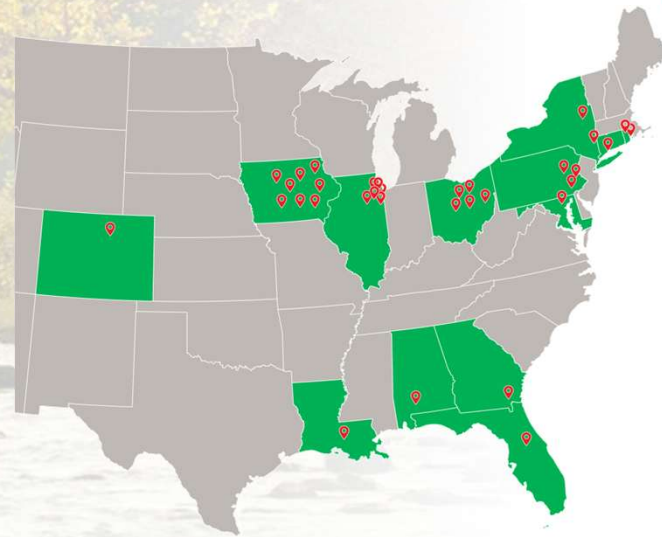
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INTRODUCTION > Global Leader

Ian M Gregg

*Business Development Manager
Sensys Gatso USA*

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- » Over 62 years
- » 600 contracts worldwide
- » 60,000+ Installations

- » 45 U.S. Contracts
- » Over 400 Active Systems
- » 90+ school zone speed systems
- » ~150,000 Processed Violations/Mo.

PURPOSE › Dangers of Speeding

Higher speeds reduce a driver's field of vision

Traveling at higher speeds narrows your field of vision as you drive, making it more difficult to see and react to people in the roadway.

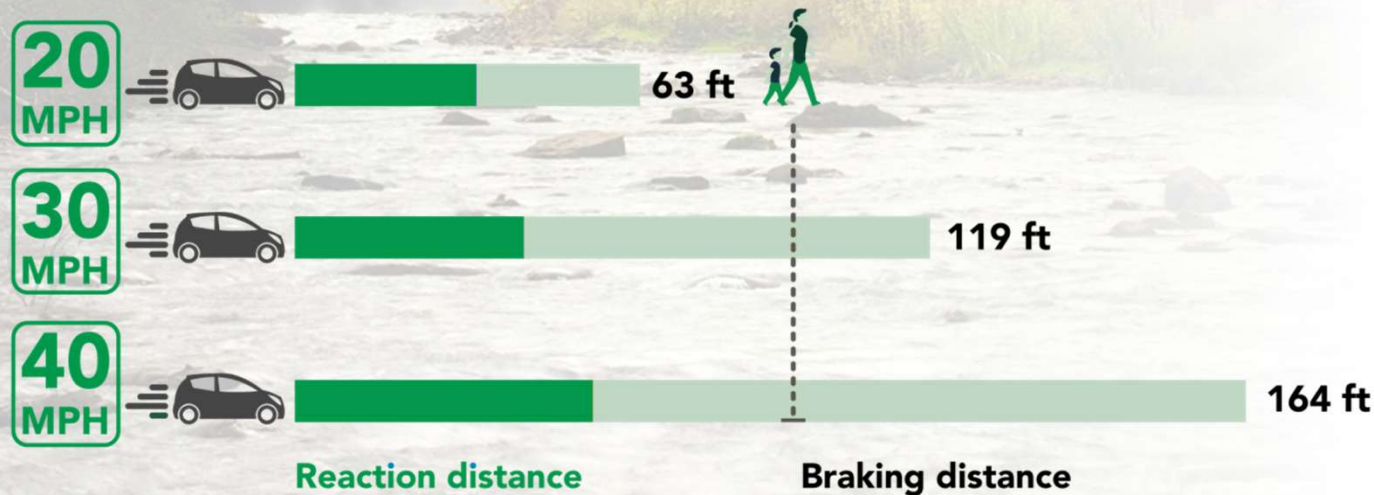


Source: NACTO Urban Street Design Guide (2013)

PURPOSE > Dangers of Speeding

Higher speeds increase a driver's reaction and braking distance

We will always face unpredictable, urgent reasons to stop. The speed we're traveling can make the difference between life and death.



Source: National Highway Traffic Safety Administration (2015)

PURPOSE › Dangers of Speeding

20
MPH

8%



30
MPH

20%



40
MPH

46%



Likelihood of death for people walking if hit at these speeds

Source: AAA Foundation, Tefft, B.C. (2011)

Higher vehicle speeds significantly increase likelihood of death.

Our bodies can only tolerate so much physical impact. Even small increases in vehicle speed significantly escalate risk of severe injuries and death. System designers and policymakers can use proven tools to encourage lower, safer speeds. **Where there is a mix of people walking, biking, and driving- 20 is plenty!**

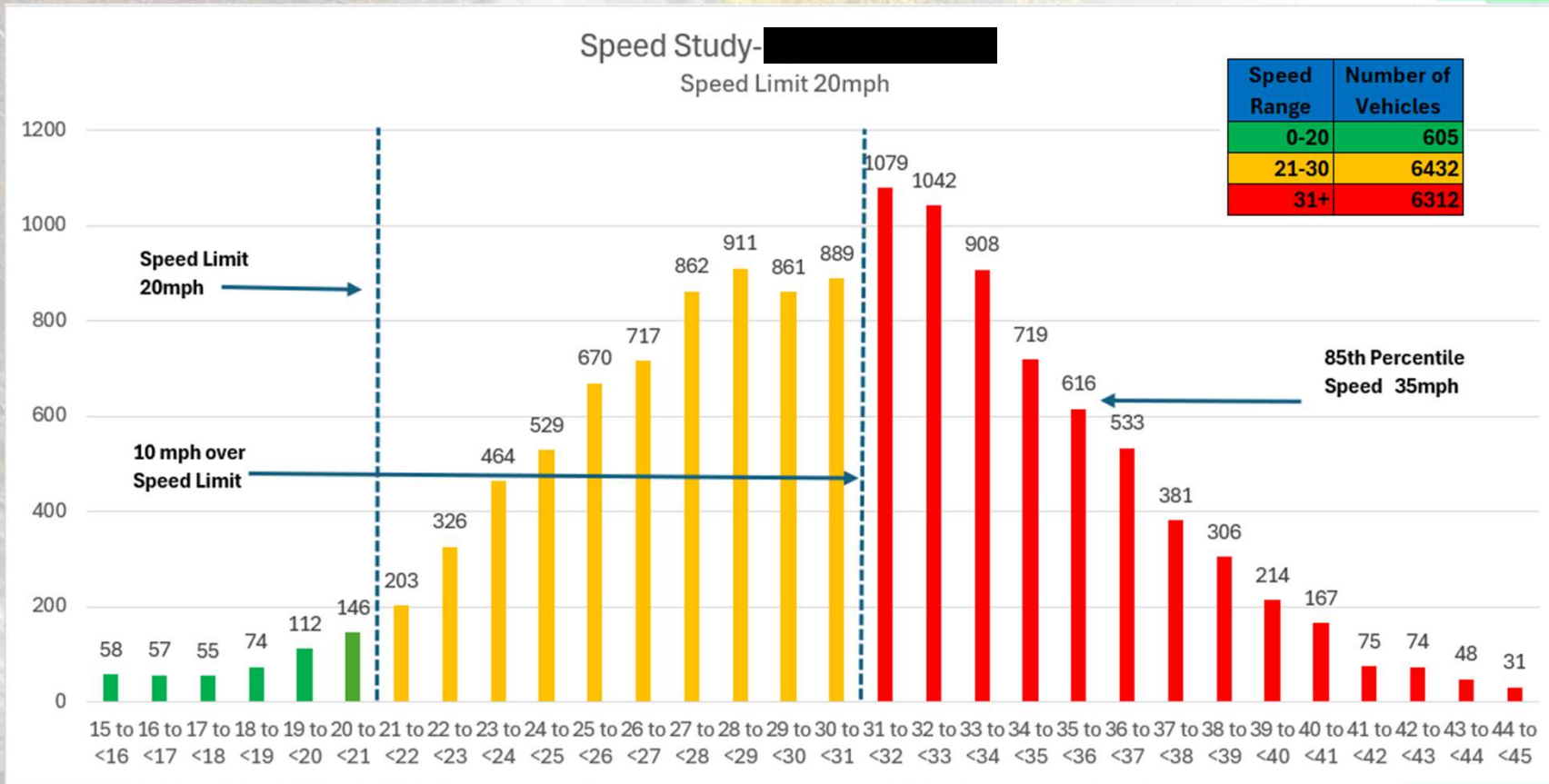
PURPOSE › Recent Speed Study



- ›› Location- Local NY community
- ›› Study Date and Time- April 1-3, 7am through 4pm
- ›› Conducted with Houston Radar pole mounted Armadillo radar unit
- ›› Data indicates a lack of motorist awareness of, or adherence to posted speed limit (20mph on school days)

	Traffic Volume	Vehicles Speeding	Violations (>10)	85th Percentile	Average Speed
Eastbound	8267	7827	3620	36 mph	29.5 mph
Westbound	5082	4917	2692	35 mph	30.5 mph
Total	13349	12744	6312		
Percentage		95%	47%		

PURPOSE > Recent Speed Study



PURPOSE > Automated Speed Enforcement Works

- **Automated speed enforcement (ASE) systems are an important element in speed management and can be a very effective countermeasure to prevent speeding-related crashes.**

Automated speed enforcement can substantially reduce speeding on a wide range of roads. IIHS studies of cameras on residential roads in Maryland, on a high-speed roadway in Arizona and on city streets in the District of Columbia

found that the proportion of drivers exceeding speed limits by more than 10 mph declined by 70 and 88 percent.

IIHS
Insurance Institute for
Highway Safety



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PURPOSE > Automated Speed Enforcement Works

- » Program began in September 2023 to address traffic safety in the school zone corridors
- » Eight camera systems were installed to enforce speed in 5 school zones across the city
- » Violation rate during the last three months of the school year saw an 81.3% (3.48% v .65%) reduction
- » 66% reduction in violations comparing the initial month of the program to the average number issued over the last three full months of the school year
- » Average speed of traffic in the monitored school zone during the enforcement period reduced nearly 3%



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LEGISLATION › Automated Enforcement

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- ›› Local Resolution and Home Rule Bill are required
- ›› May use automated speed enforcement to monitor designated school zones (up to 34)
- ›› Enforcement periods: 1 hour prior to and after school day session/ Entirety of normal school day/ During student activities and half an hour before and after
- ›› Violation occurs at 11 mph over posted speed limit.
- ›› Initial notice is Civil Penalty and a \$50 Fine
- ›› Non-response triggers an additional \$25 penalty
- ›› Requires a 30-day warning period
- ›› Program is **100% violator funded**- no up front cost to the community

COMMITTED TO QUALITY > Long-Term Success

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- » Sensys Gatso will work with Manlius on the use of data elements to **provide sound decisions for the selection of sites.**
- » Provides a baseline count of violations **showcasing the effectiveness of the program**
- » Helps keep the **focus to the safety impact** the cameras will provide
- » As the program matures, **our team will meet with your community on a planned cadence** to share key performance metrics and program health assessments.

TECHNOLOGY › S-Series Fixed System

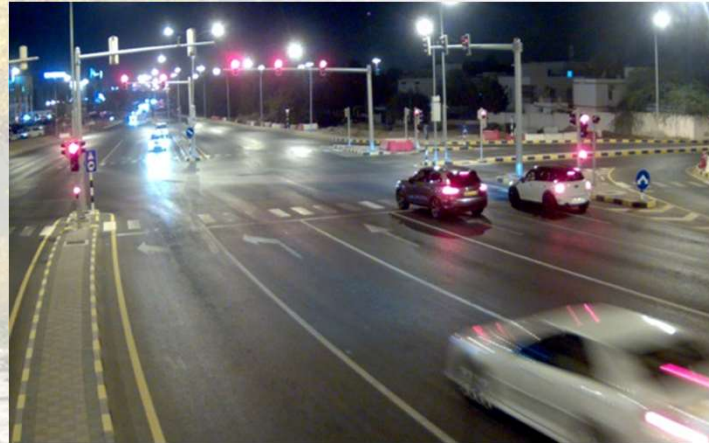
- » **Radar** - 60 simultaneous targets, up to 6 lanes of enforcement
- » **DSLR Camera** - Resolution of 45MP
- » **Video Camera** - up to 4k, live stream and 45 days of archive
- » **Time Synchronization**
- » **School zone enforcement scheduler**
- » **Capable of dual speed enforcement and varying enforcement periods**

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TECHNOLOGY › Radar Advantages

- » Radar captures **concurrent and consecutive** violations
- » Multi-vehicle tracking
- » Secondary speed verification
- » Flexible installation
- » Easily monitors wide roads and speeds over 120 MPH



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TECHNOLOGY › Violator Identification

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Image 1 Image 2 Video 1 Hide TVM

Sitecode	Date	Time	Distance	Pic	Type	Lane
618B	2024-03-03	11:02:27	120.0 ft	030A	S	2
Radar ID	Speed	Sign Speed	Direction			
2F711C1D0000	66.9 mph	55 mph	Departing			
Elap t.						
N/A s						

NDA 788

TECHNOLOGY > ALPR

AXIS License Plate Verifier

Search event log

Start time: [calendar icon] End time: [calendar icon] Plate: [input] ROI: [dropdown] Direction: [dropdown] Search [button] Use [button]

Date and time	License plate	ROI	Direction	Image
2024-08-09 12:57:37	ZX95689	1	UNK	
2024-08-09 12:56:28	C287DH	1	IN	
2024-08-09 12:56:24	36015368	1	UNK	
2024-08-09 12:56:23	DN22395	1	UNK	
2024-08-09 12:56:23	H99659	1	IN	
2024-08-09 12:56:23	E407941	1	IN	
2024-08-09 12:56:21	DB69378	1	IN	
2024-08-09 12:56:20	DP37529	1	UNK	
2024-08-09 12:56:18	BW78372	1	IN	
2024-08-09 12:56:18	AV23095	1	IN	
2024-08-09 12:56:16	ETV15	1	UNK	
2024-08-09 12:56:16	7541014	1	IN	
2024-08-09 12:56:15	BY84629	1	IN	
2024-08-09 12:56:13	CA77046	1	IN	
2024-08-09 12:56:12	300Q	1	IN	
10	Y82668	1	UNK	
09	FDT55615	1	IN	
09	EL88553	1	IN	

Display Area of Interest

Latest event

Date and time	License plate	Area of interest	Vehicle direction	Image	
2024-08-09 12:57:37	ZX95689	1	UNK		Add to list

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- » Integrate into current ALPR system
- » Provide Stand Alone ALPR system
- » Provide ancillary ALPR Camera on installed systems
- » Strategic partnership with



flock safety



SYSTEM OPERATIONS › Maintenance

- » Local field resources
- » Local contractors for emergency call
- » Preventative maintenance
- » Realtime monitoring
- » Daily self-tests
- » Radar calibration meets State requirements



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OPERATIONS > Local Review

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The screenshot displays the 'Local Review' interface for a violation with ID 592875. The interface is divided into several sections:

- Navigation:** Home, Event Viewer (100), Administration, Reports, Hearing Manager, Logout.
- Violation Info:** Violation: 592875 (Status: New Violation). A 'Hide Images' button is visible.
- Process and Log:** PROCESS, NOTES (0), LOG.
- Image/Video Viewer:** Image 1, Image 2, Image 3, Video 1. A red arrow points to the 'Image 2' tab.
- VIOLATION APPROVAL:**
 - Review violator details
 - Enter citation data
- Site Details:**
 - Site Description: NB Newport Ave and Cottage St
 - Lane Number: 1
 - Yellow Time: 3.90
 - Red Time: 0.90
 - Pardon Time: 0.10
 - Red Light Citation Amount: 85
- Notes:** Add a note (optional): [Text input field]
- Priority level:** No Priority
- Actions:** Approve, Reject

The main content area shows a rear view of a dark Jeep Grand Cherokee with its brake lights on. A license plate with the number '281' is visible. A dashed green box highlights a data table overlaid on the image:

Type	Red Light
Warning	No
License Plate	
Offender Name	
Offender Address	
Offender Zip Code	
Offender City	
Offender State	
Offender Country	
Owner Name	
Owner Address	
Owner Zip Code	
Owner City	
Owner State	
Vehicle Make	JEEP
Vehicle Model	GRAND CHEROKEE
Vehicle Year	2020
Vehicle Color	GRAY
Vehicle Registered State	MA

OPERATIONS > Program Mailings

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WARNING NOTICE
PUBLIC SAFETY ENFORCEMENT PROGRAM
Generated on: MM/DD/YYYY

WARREN TOWNSHIP POLICE DEPARTMENT
Citations Processing Center, Warren Township, PA
PO Box 7200
Beverly, MA 01915

Ordinance Number: 0019202
Pursuant to Warren Township Ordinance 330, Article IX, on the date specified in or was in a pre-Warning Period. Your vehicle was in or entering an interest violation of this ordinance violation of this chapter.

THIS WARNING OF VIOLATION IS YOUR PART AND DOES PENALTY.

HOWEVER, VIOLATIONS DURING WARNING PERIOD WILL NOT BE ENFORCED.

THIS IS A WARNING. NO PAYMENT IS REQUIRED.
ESTA ES UNA ADVERTENCIA. NO SE DEBE REALIZAR NINGUN PAGO.

NOTICE OF VIOLATION
AUTOMATED RED LIGHT ENFORCEMENT PROGRAM
Issued on 10/20/2023

Citations Processing Center, Maitland, FL
1600 West Pointe Parkway
PO Box 1200
Beverly, MA 01915

YOUR VIOLATION (VIOLATION)
Based on the images and video shown above, the motor vehicle was operated in violation of Chapter 320, Article IX of the Municipal Code of Warren Township. Severe to or affirmed by:

APPROVER: James Nelson
Badge # 427

Citation Number: 022 0019355881
AMOUNT DUE: \$75.00
DATE DUE: IMMEDIATELY

Make check or money order payable to: City of Albany

Mail payment to:
ALBANY POLICE DEPARTMENT
Citations Processing Center, Albany, NY
PO Box 10420
Albany, NY 12201

NOTICE OF DETERMINATION
PUBLIC SAFETY SCHOOL ZONE SPEED ENFORCEMENT PROGRAM
Generated on 04/07/2025

State of New York School Zone Speed law codified at VTL § 1180-z.

Please note that this constitutes a Notice of Determination of Liability of the State of New York School Zone Speed law codified at VTL § 1180-z.

Pursuant to such New York State law codified at VTL § 1180-z, the owner of the motor vehicle is liable for payment of a civil penalty in the amount of \$75.00 if the owner's vehicle fails to comply with posted maximum speed limits in a school speed zone within the City of Albany. Recorded images are evidence of a violation of a School Zone Speed enforcement system.

As you have failed to pay or contest the Notice of Violation previously issued, a fine, plus a \$25.00 late fee, in the amount of \$75.00 is now due.

Failure to pay the civil fine or to petition the City to set aside the determination within (21) calendar days, will result in a Default Notice. In addition, you may be subject to formal collection procedures including, but not limited to, being reported to a credit reporting agency, and a civil lawsuit.

Violation, Video & Plate Information

Citation #: 022 0019355881
Pin #: 95670674
Date: 02/28/2025
Time: 04:11 PM
Red Light Time: 0:00 s
Location: EB Western Ave and Russell Rd

PLATE NUMBER: LKJ4780

APPROVER: Almonique King
Badge #:

Citation Number: 022 0019355881
Plate Number: LKJ4780
AMOUNT DUE: \$75.00
DATE DUE: IMMEDIATELY

Make check or money order payable to: City of Albany

Mail payment to:
ALBANY POLICE DEPARTMENT
Citations Processing Center, Albany, NY
PO Box 10420
Albany, NY 12201

002202504260000750000193556616

Notice Types

- » Warning Notice
- » Notice of Violation
- » Late Fee Notice
- » Court Rulings

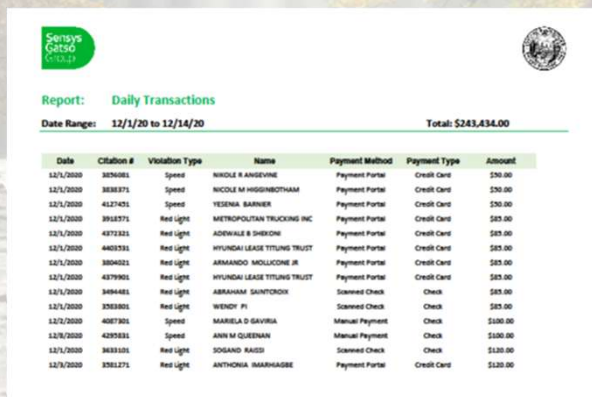
OPERATIONS > Xilium Reporting

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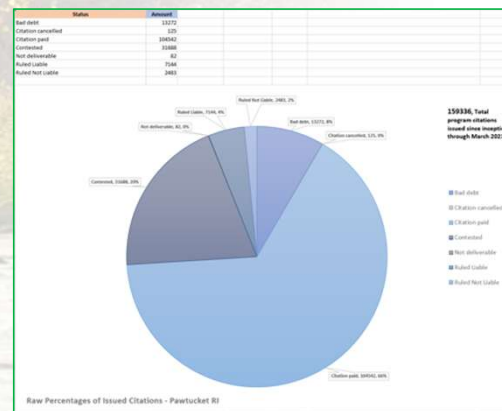
Reports

- CITATIONS
 - Issued Citations
 - Issued Citations By Approach
 - Undeliverable Citations Report
- MANAGEMENT
 - Trial Docket
 - Operator Violation Activity (Summary)
 - Hearing Result
 - Contested Citations
 - Operator performance
 - Printed Items
 - Cancelled citations
- FINANCIAL
 - Collections Report
 - All Citations
 - Daily Transactions
 - Paid Citation Transactions
 - Paid Citations
 - Convenience Fee Paid
 - 0\$ Citations
 - Partial Payments Citations
- VIOLATIONS
 - City/County Vehicles
 - Citations From Captured Violations By Approach
 - Citations From Captured Violations
 - All Events
 - All Violation Events Detail
 - All Violation Events Summary
 - All Violation Statistics By Date
 - Rejected Violations
 - Rejection Reasons

Accessible Analytic Reports

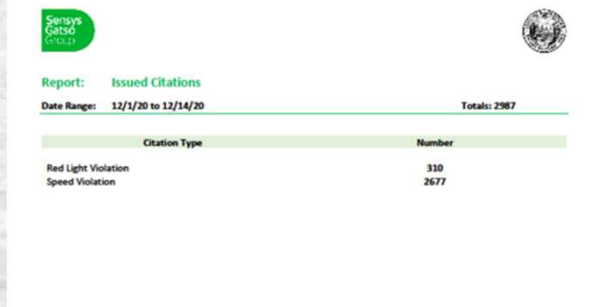


Flexible Program Reporting



Xilium Reporting Capabilities

Operational
Management
Financial
Citations



OPERATIONS > Hearing Requests and Scheduling

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The screenshot shows a 'Hearings' interface with a dark header containing 'New Event', 'Edit', and 'Delete' buttons. Below the header, there's a 'HEARING EVENTS' section with a 'Show Events' button. Underneath, there are radio buttons for 'Show Hearings' with options: 'Today', 'Next 14 days' (selected), and 'Select by date'. A 'SEARCH BY LICENSE PLATE' section follows, featuring a text input field for the license plate and a 'Search' button.

- » Schedule hearing in accordance with Hearing Officer's availability
- » Allows hearing dockets to be scheduled by number of openings available that day
- » Reschedule hearing times as necessary
- » Flexible – in-person or by mail hearings

- » Easy to use verdict submission
- » Allows for transfer of liability
- » Customizable field for verdict determination for reporting
- » Flexibility to adjust amount due

The screenshot shows a 'LIABILITY' interface with a 'Submit Verdict' button. It features a 'Verdict' section with radio buttons for 'Liable' (selected), 'Failure to appear', 'Not Liable', 'Reschedule', and 'Transfer'. Below this is a 'Date' field set to 'May 26, 2022'. The 'Due date' field is set to '09/17/2022' with a calendar icon. The 'Reason' field is a dropdown menu with the text 'Please select a reason'. The 'Amount Due' field is set to '140.00'.

OPERATIONS › Online Payment Portal

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Welcome to the Citations Processing Center

Login

Here you may review your citation evidence. To begin, please enter your Citation Number and PIN.

Citation Number

PIN




[LOG IN ›](#)

Having trouble logging in?

If you are having trouble logging in, please contact the Citations Processing Center at 855-370-4229 between 8AM-6PM EST.

[FREQUENTLY ASKED QUESTIONS](#)

Payment options

- » Ease of access for citizens to review personal violation evidence
- » Convenient payment options

PROJECT MANAGEMENT & IMPLEMENTATION › Success

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- » Kick-off Meeting (1 week after contract execution)
- » Back-office Development/Business Rules (5 weeks)
- » Engineering and Permitting (10 weeks)*
- » Construction, Installation, and Testing (4 weeks)
- » Initial 30-Day Warning Period (4 weeks)

22 Weeks from Contract Award to Full School Zone Enforcement

COMMUNITY AWARENESS > Transparency

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- » Town Hall Meetings
- » Strategic Community Partners
- » Social Media
- » Website
- » Brochures
- » Program progress updates
- » Program start up announcement
- » FREE 30-day program warning period
- » Signage

ALBANY
NEW YORK | EST. 1686

SCHOOL ZONE SPEED
PHOTO ENFORCEMENT PROGRAM

School Zone speed camera systems are designed to keep our children safe

BE ALERT! SLOW DOWN!

ALBANY N.Y. POLICE

For more information, contact Albany Parking Violations
24 Eagle St. Room 203
Albany, NY 12207
www.albany.gov
315-434-5006

Albany's new state-of-the-art school zone speed traffic cameras will help make our community safer.

Our new program aims to:

- » Increase traffic safety by improving driver behavior
- » Decrease school zone crashes and injuries

Camera locations:

- » Visit www.albany.gov for camera locations

FAQ
SCHOOL ZONE SPEED
PHOTO ENFORCEMENT PROGRAM

Our GOAL is ZERO Injuries, ZERO Crashes and ZERO Endangered Lives

Advanced Speed Enforcement systems will be installed at a primary school zone in Albany, NY. This will help ensure the safety of our children and the community.

Albany of the City Rights
Albany, NY
White Pine Drive

RED LIGHT VIOLATION
CITY OF ALBANY

SCHOOL ZONE SPEED
PHOTO ENFORCEMENT PROGRAM

IT'S SIMPLE
Photo Enforcement Works

