

AUTOMATED SPEED ENFORCEMENT

What do I need to Know?

What are my Options?

PRESENTED BY



Ontario **Traffic** Council



HOSTS



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PRESENTERS



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LOGIX ITS



LOGIX ITS OVERVIEW

NORTH AMERICA

A Global Leader In ITS Solutions



TRAFFIC CALMING

North America – USA & Canada

- Reduces accidents and related fatalities
- Increases the safety and convenience for cyclists, pedestrians and other non-motorists



PARKING COUNTING

- Zone Availability – reduces parking search times and frustration; increases productivity and profitability
- Market sectors include Corporate, Universities & Hospitals (Parks and Beaches in COVID)



VMS MESSAGE BOARDS

- Permanent and Portable Dynamic Messaging

LOGIX ITS

Overview Global

A Global Leader In ITS Solutions



Enforcement Logix – Montreal (Canada)

- Speed Enforcement Solutions Globally.
- 700 + Camera installations across Ecuador and India.



BD Logix – Montreal (Canada) & Ukraine

- Software Cloud Based platform across all brands
- API integration with 3rd party software.



Traffic Logix India

- Reduces accidents and related fatalities on the India subcontinent and services the middle east clientele.
- Increases the safety and convenience for cyclists, pedestrians and other non-motorists



Traffic Logix Mexico (LATAM)

- Reduces accidents and related fatalities in central America and covers central and South America clientele.
- Increases the safety and convenience for cyclists, pedestrians and other non-motorists



Fully integrated manufacturing facility in Montreal, Quebec



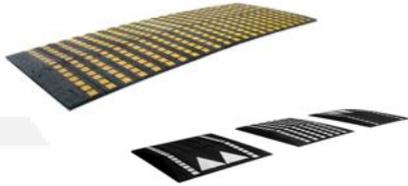
Satellite offices on 4 different continents



Cloud based solutions across a single platform with 24/7 - 365 Access



Driver Feedback Signs (DFS)



Modular Rubber Solutions



Speed Cameras



VMS



Vehicle Data Recording

COMPANY OVERVIEW





Law Enforcement and EMS

- State – Federal and Local
- Fire and Emergency Management



Local - State and Provincial Government

- Department of Public Works
- DOT & Work Zone Safety
- Military



Private Sector

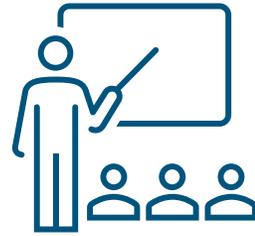
- HOA and POA
- Business and Industrial

SECTORS WE SERVE



THE THREE E'S

The bedrock of any traffic calming plan
"Make - Advise - Penalize"



Education

- Public Outreach – Social Media/Awareness Campaigns
- Public Service Announcements
- Warning Letters
- Driver Feedback Signage



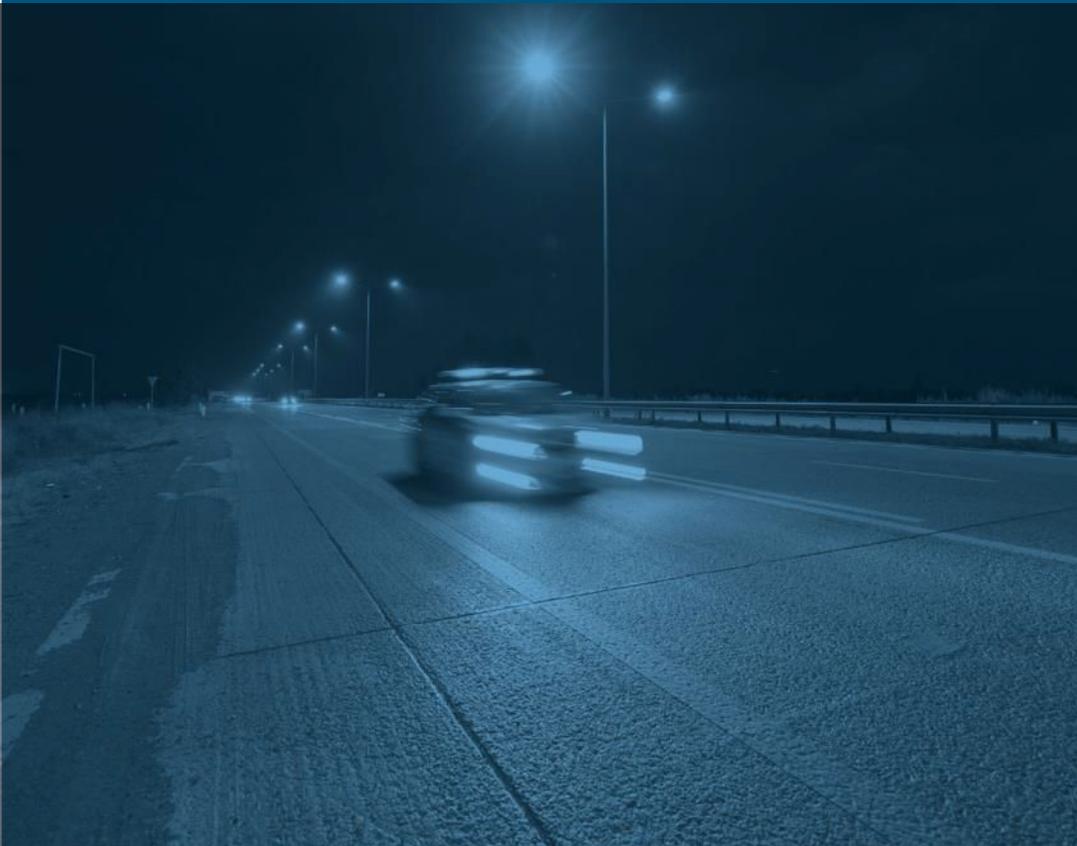
Engineering

- Road layout and Paving
- Speed Humps/Tables/Cushions
- Road Markings and Signage



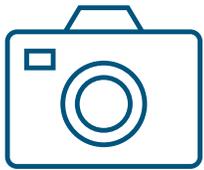
Enforcement

- Monetary Fines Via AP'S or Provincial Court System
- Warning Letters as interim Step.



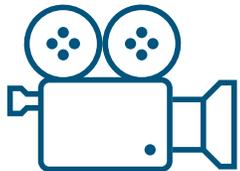
2 CAMERA DEFINITIONS

Ontario public usage



Guardian Enforcer - Warnings and “Vision Zero”

- Rear Plate Capture ONLY
- Leddar Technology – Multi Lane
- 2500 Warnings per Month per Camera
- IR Illumination
- Standard Resolution Image Transfer
- Standard Data Storage (00 -6 -12+) Months

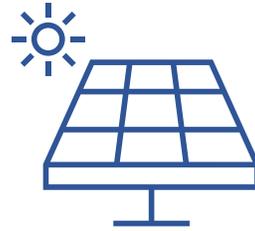


Guardian Enforcer PLUS - ASE & PSE

- Rear Plate Capture ONLY
- Leddar Technology – Multi Lane
- 7500 Tickets per Month per Camera
- IR/Xenon Illumination
- Enhanced Resolution Image Transfer
- Enhanced Data Storage (00 – 12 – 24+) Months



MOUNTING AND POWER OPTIONS



Guardian Enforcer & Guardian Enforcer PLUS

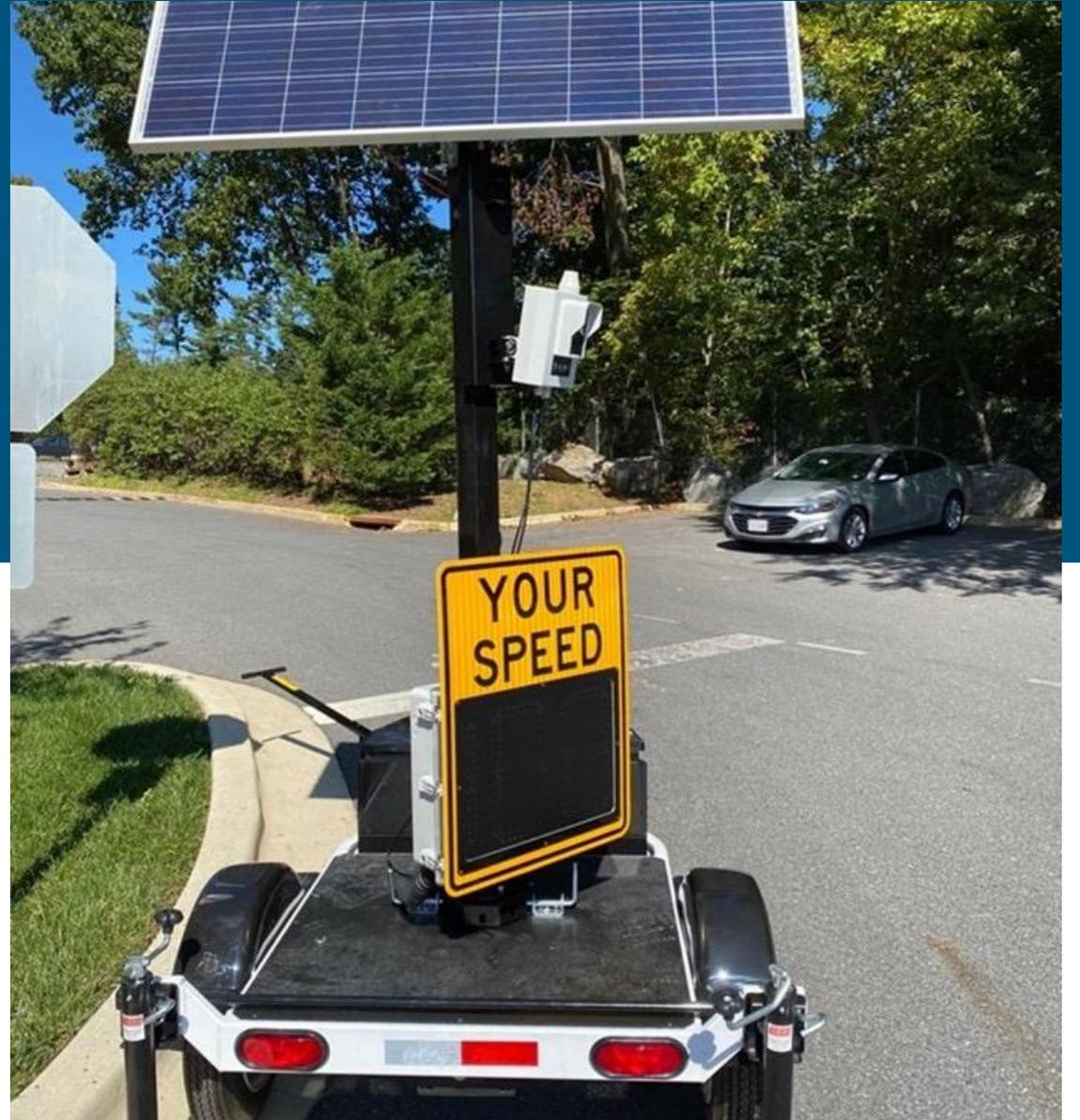
- AC Hard Wired Fixed (Pole)
- Solar – Permanent/Semi Permanent (Pole)
- Trailer – Solar (Mobile)
- Trailer - Solar with DFS (Mobile)



All Inclusive Price Features

- IR or Xenon Illumination (Enforcer PLUS)
- Applicable Data Package
- Integral GPS with mapping feature
- Onsite Commissioning
- API Integration
- Tech Support
- Enhanced Tech Support and Calibration (Enforcer PLUS)





LEGAL REQUIREMENTS

“Ontario ONLY”



IMAGES

- Rear Plate Capture – shows Vehicle Color
- Readable Province and License Plate #
- Lane definition of offending vehicle



IMAGE STORAGE - Calibrations and Transmission.

- Secure Encryption – No Costly USB Drive Retrieval.
- Data storage – AWS servers located in Canada
- No information leaves Canada.
- Camera calibrated according to provincial and local guidelines.



WHERE DO I START WITH PLANNING?



- Should I consider a speed reduction program?
- Where are my worst areas that need the most attention?
- Do I have a substantial record of resident complaints?
- Are those complaints justified?
- Do I have a history of crashes and/or fatalities ?
- Do I have relevant data to justify implementation?



- ASE or Warnings – (Engineering Options Discounted)
- ASE – AP'S or Provincial Fines?
- Establish Appropriate “back end” system/staffing.
- Gather Data – (with/without Education Options).
- Assess and analyze data for areas of implementation.
- Designate “Community Safety Zone” classification.
- 90 Day advanced public warning period.
- Deploy legal signage.

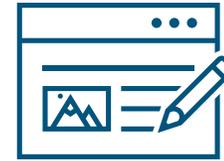
PROCUREMENT OPTIONS

How we can help.



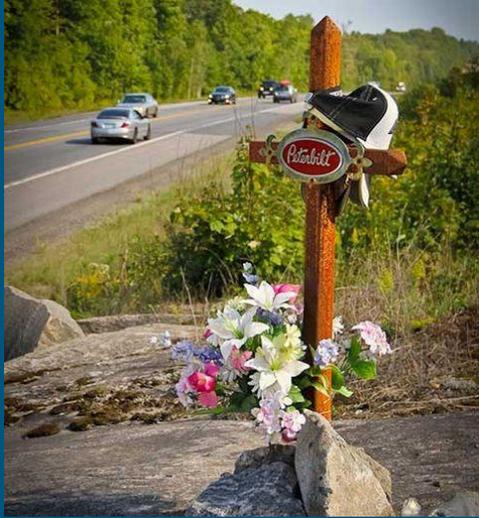
PROCUREMENT OPTIONS

- Direct Purchase with Logix ITS utilizing Canoe Contract # **CAN-2021-009-TLI**.
 - Option to utilize “In House” Ticket Solution.
- Use LAS “Turn Key” ASE Service
 - Lease cameras with Conduent
 - included ticket processing.
- Enroll in Toronto JPC program.
- Do Nothing



SERVICE OPTIONS

- Full Installation and maintenance.
- Complete ‘Back End’ ticketing Solutions.
- Power and mounting options (Solar – AC – Trailer).
- Educational and legal signage deployment.
- Flexible payment/lease options and terms.



LAS | AMO
Business
Services



Automated Speed Enforcement (ASE) Service

Sheraton Hamilton Hotel

Thursday, November 17, 2022

8:30am





Who is LAS?

AMO's Business Services

- Created by AMO in 1992 to develop products and services for municipalities
- Not-for-profit, governed by a board of directors made up of municipal staff and council
- Our mission: Helping Municipalities Work Better



In the news...

March 23, 2022, by Katherine DeClerq



Speeding deaths on Ontario roads reach 10-year high



Vehicles drive on Highway 401 westbound in Kingston, Ont., on January 11, 2019. THE CANADIAN PRESS/Lars Hagberg

Central Region OPP issue more than 700 speeding tickets over Thanksgiving weekend



By **Sawyer Bogdan** • Global News
Posted October 13, 2022 9:26 am

NORTHERN ONTARIO | News

Speeding pickup almost hits children in Elliot Lake, suspect charged

Ontario / Local News / Info For Drivers

Traffic down during pandemic but U.S. fatalities, Ontario dangerous driving up

Toronto Sun, Driving
Mar 21, 2022 • March 21, 2022 • 2 minute read • [Join the conversation](#)

City to install speed camera as pilot project

Michelle Ruby
Apr 21, 2022 • April 21, 2022 • 2 minute read • [Join the conversation](#)

WATERLOO REGION

Speed cameras at 16 schools in Waterloo Region are forcing drivers to slow down



By **Liz Monteiro** Record Reporter
Tue., May 10, 2022 | 2 min. read

AUTOS

Red-light and speed cameras are helping keep Toronto streets safe

By Mark Toljagic Special to the Star
Sat., Sept. 10, 2022 | 5 min. read



What is Automated Speed Enforcement?

- Automated system to detect and capture images of vehicles travelling above the speed limit
- Enforce speed limits in targeted zones
- Works with other measures (policing, engineering design, education)
- Entirely under control of the Municipality



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The Legislative Framework





The Service Framework

Camera Supply

- Signage
- Installation and Calibration
- Relocations
- Maintenance/Repair
- Short or Long-Term Contracts
- Fixed, Temporary, Mobile Options

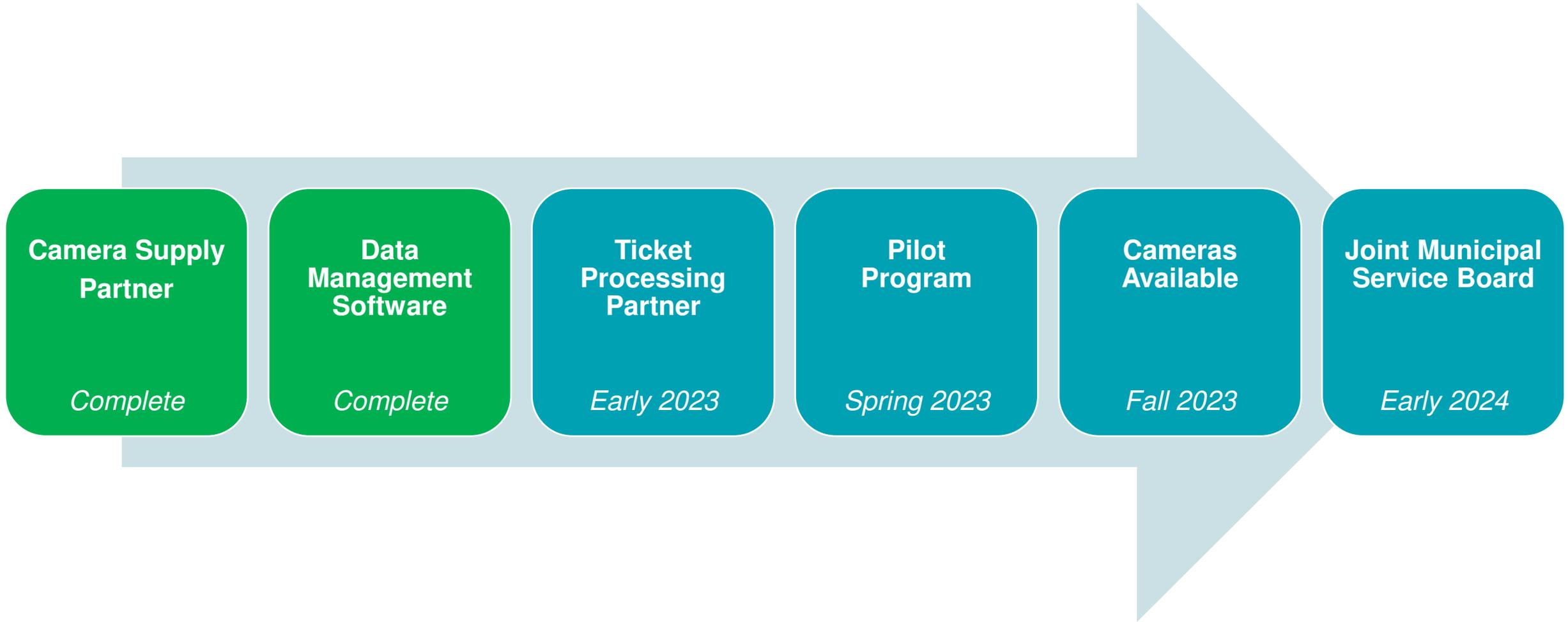
Violation Processing

- Data Management and Validation
- Owner Information Lookup
- Ticket Processing by Provincial Offences Officers
- Printing and Mailing

Fines

- Option 1: POA Courts – Filing and Disclosure Packages
- Option 2: Administrative Penalties through Municipality or LAS

Program Development



Get Ready, Get set...



- Let us know your interest
- Look at traffic data to identify target areas
- Inform your new Councils
- Educate your residents
- Designate community and school safety zones



Administrative Penalties



- Permitted by O.Reg 355/22
- Available for camera-based offences
- Alternate way of collecting fines
- Takes pressure off local court systems
- Requires a screening officer and a hearing officer to manage appeals
- Officers can be employed directly by the municipality or through a cooperative effort
- Will be available through LAS program in the future

Let's continue the conversation...

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CONDUENT

Transportation



Conduent Transportation

Automated Speed Enforcement for Ontario Municipalities

November 17, 2022

Agenda

1. Who is Conduent?
2. Conduent in Canada
3. Partnership with LAS
4. How Conduent Can Assist With Program Set Up
5. What Conduent Can Provide
6. Conduent Reports, Analytics and Dashboard

Conduent is a Global Market Leader Providing Diversified Business Process Services & Solutions



200+

government clients use Conduent Transportation solutions



50 years

of transportation industry excellence



550+

Global patents, with more than 40 pending patent applications in the works



\$9.7 billion

annual tolling transactions processed



8.7 million

people travel through Conduent Transportation toll systems daily



100 million+

Public transit ticket transactions daily



3 consecutive wins

for Innovative Project of the Year from the National Parking Association (NPA) for deployments in Washington D.C., Columbus, Ohio and Los Angeles



25%

of U.S. state and local automated enforcement programs* are implemented by Conduent Transportation

*of states that currently leverage automated enforcement.

Conduent Transportation



Road Usage Charging



Transit



Curbside
Management



Public
Safety

Featuring

- 550+ global patents
- 200+ government transportation clients

Automated Enforcement Solutions

Our solutions help to deter careless driving, maximize resources, mitigate congestion, and protect citizens by utilizing key operational metrics and automating surveillance functions.



- Red Light enforcement
- Speed enforcement – school, work zone
- Bus-only lane enforcement – fixed and mobile
- Restricted lane and one-way enforcement
- Rail crossing enforcement
- Over-height vehicles enforcement
- High-occupancy vehicle (HOV) enforcement
- Low emissions zone enforcement
- License plate recognition
- Block the Box enforcement
- Stop sign enforcement

Conduent in Canada

- 25+ years operating Automated Enforcement programs
- 10 current Automated Enforcement programs
- 2 processing centres
- Process over 350,000 violations annually, over 6 million historically across Canada
- Previous photo experience in Ontario / LAS contract signed

Our Team

More than 75 years of combined experience in managing Canadian photo enforcement programs

- Ryan Oswald – Director of Canadian Operations
- Angela O'Regan – Senior Sales Business Consultant, Canada
- Stuart Wilson – Program Manager
- Dan Shimski – Principal, Shimski & Associates

Conduent Partnership with LAS

- Successful bidder in 2021 LAS RFP
- Recognizes the need for flexible, affordable Automated Speed Enforcement options for small to medium-sized municipalities
- Provides solutions tailored to the varied needs of Ontario municipalities, not a 'one size fits all' approach
- Flexible equipment options, including solar, pole mounted, the option of adding a speed advisory sign, etc.
- Contract terms ranging from 6-months to multi-year

Conduent Transportation can assist with...

- Traffic counts/studies to assist with site selection
- Estimating program economics
- Preparation of council/committee reports
- Public communication strategy and execution
- Stakeholder engagement

Conduent Transportation can provide...

- Site evaluation
- Required signage
- Installation and maintenance of camera systems
- Camera system relocation
- Initial review/screening of images/events
- Hardware, software, and training required to enable image processing
- Interface with the Ministry of Transportation/Courts
- Evidence packages for courts/hearings

Conduent Dashboard/Analytics

- Robust and customizable reports
- Easily measure system performance
- Real-time and historical reports
- Varied levels of access to varied information
- Available to general public to demonstrate program results and transparency

Live Demo [Canada Spruce Grove \(arcgis.com\)](https://arcgis.com)

Conduent Dashboard/Analytics

(Note: only used if live demo doesn't load)

Spruce Grove Dashboard-Automated Traffic Enforcement (ATE)

Category Type: All

Site Name: All

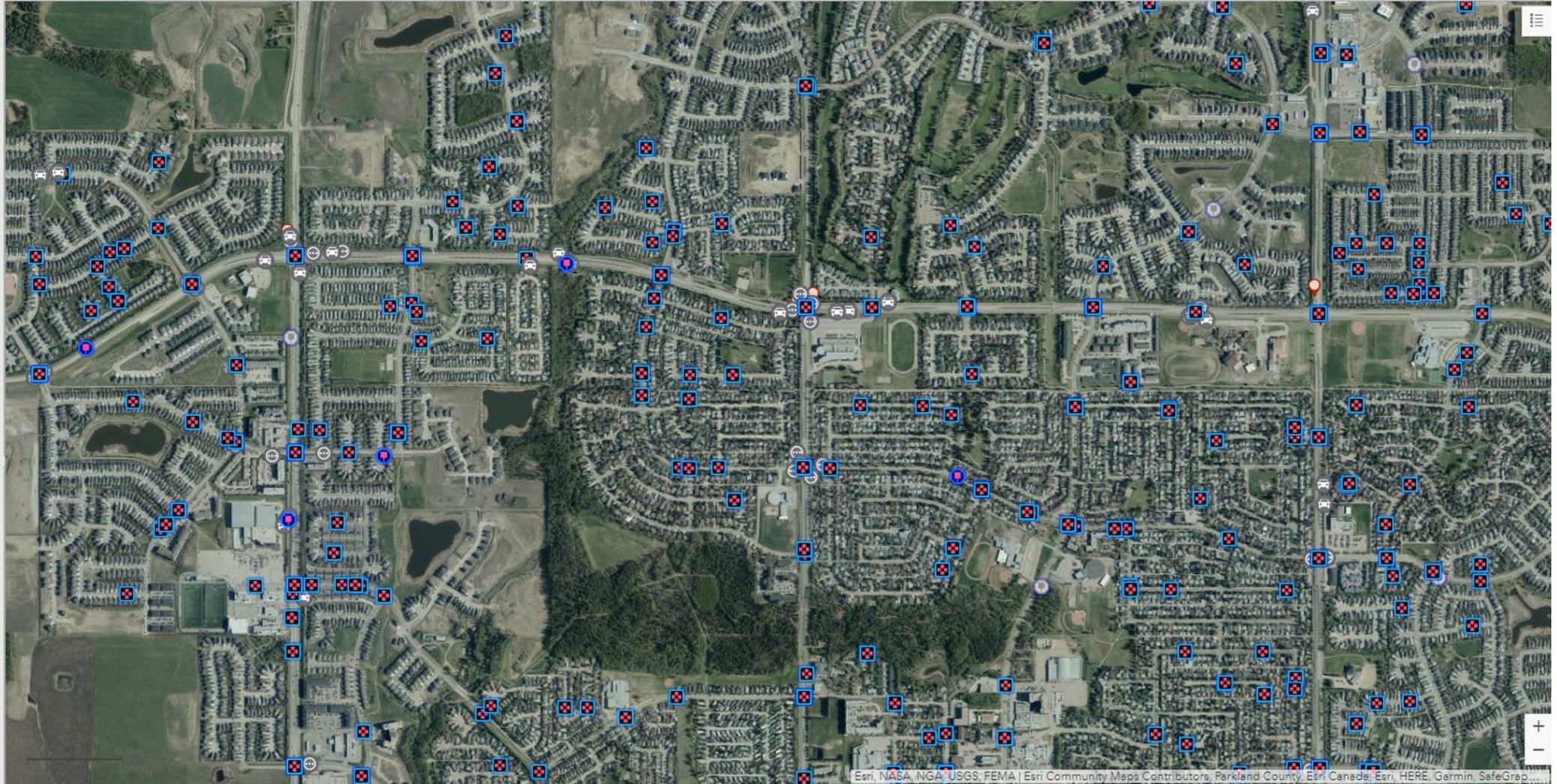
Tickets Issued

Total for all visible sites
Total: 1,517
(last 30 days)

Vehicle Counts

Total for all visible sites
Total: 1,618,660
(last 30 days)

Site details and statistics



Esri, NASA, NGA, USGS, FEMA | Esri Community Maps Contributors, Parkland County, Esri Canada, Esri, HERE, Garmin, SafeGrab...

Conduent Dashboard/Analytics

(Note: only used if live demo doesn't load)

Spruce Grove Dashboard-Automated Traffic Enforcement (ATE)

Category Type: Intersection Safety Device

Site Name: All

Tickets Issued

Total for all visible sites
Total: 1,239
(last 30 days)

Vehicle Counts

Total for all visible sites
Total: 322,237
(last 30 days)

Site details and statistics

Showing 1

Site: Grove Drive W/B @ Calahoo Road

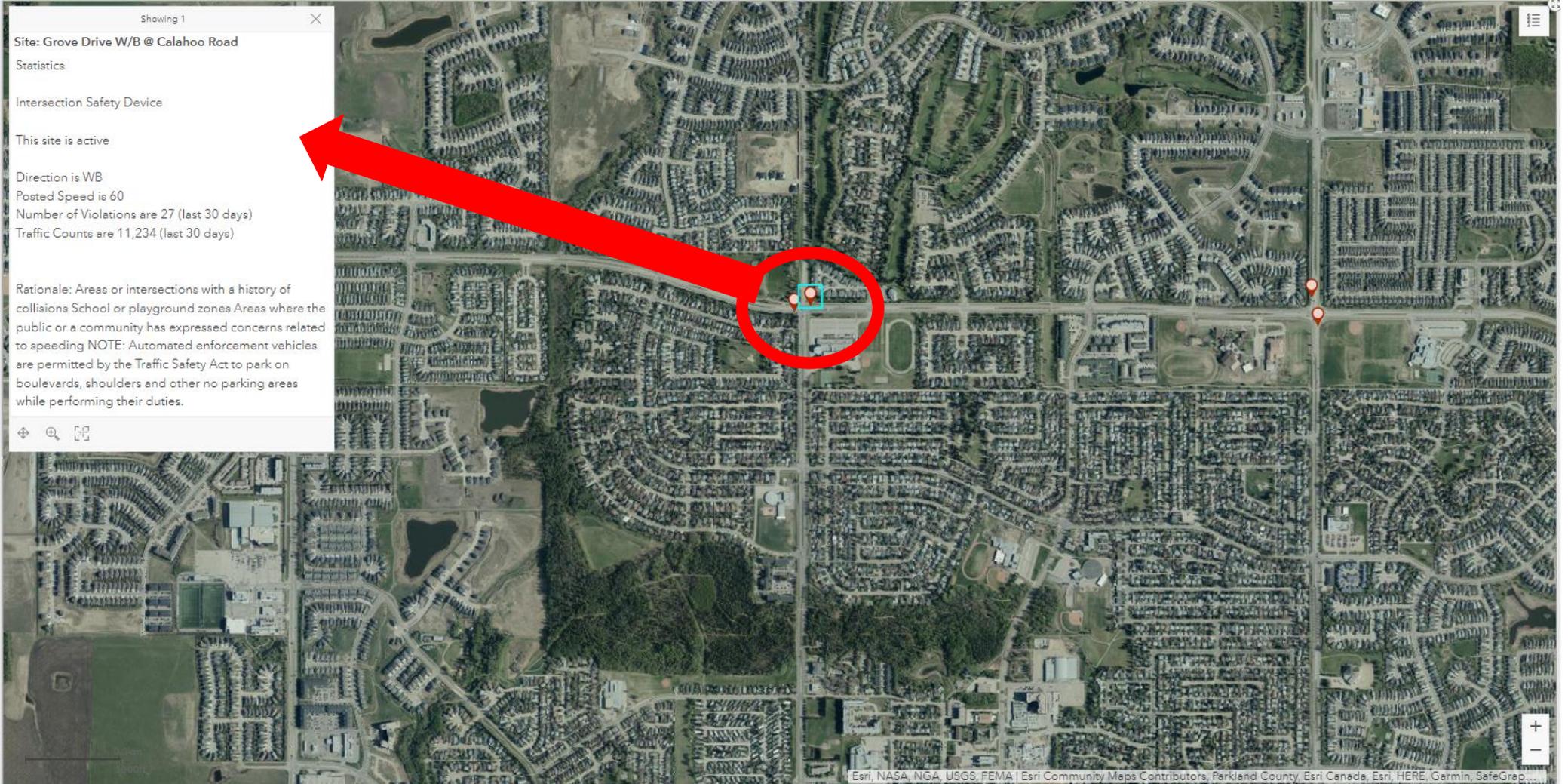
Statistics

Intersection Safety Device

This site is active

Direction is WB
Posted Speed is 60
Number of Violations are 27 (last 30 days)
Traffic Counts are 11,234 (last 30 days)

Rationale: Areas or intersections with a history of collisions School or playground zones Areas where the public or a community has expressed concerns related to speeding NOTE: Automated enforcement vehicles are permitted by the Traffic Safety Act to park on boulevards, shoulders and other no parking areas while performing their duties.





Ontario Traffic Council

Date: Monday November 23rd

Time 9.30 AM – 10.30 AM

Where: Online (Virtual)

Register:

<https://otc.org/events/otc-webinar-ingredients-successful-automated-speed-enforcement/>





Ontario Traffic Council

OTC WEBINAR: Ingredients for a Successful ASE Program

November 23, 2022

Date/Time

23/11/2022

9:30 am - 10:30 am

****OTC / Good Roads FREE Web Presentation Focused on Smaller Municipalities Open to all Ontario Municipalities**

Automated Speed Enforcement (ASE) can be an effective option for municipalities to use to enforce speed limits in school and community safety zones. It can also be an expensive and time-consuming solution – especially for small to mid-sized municipalities. More and more municipal councils are looking at ASE as a means to curb speeding in school and community safety zones. Traffic Engineers, Technologist, Road Safety Professionals, other municipal staff, and politicians have a role to play in understanding how automated speed enforcement works, the legislation, regulation, and guidelines to effectively evaluate this tool to determine whether it is the right type of resource to use in your communities.

Find out more about ASE and whether it is a useful tool for your municipality by participating in this free web presentation “**Ingredients to a Successful ASE Program**” on November 23, 2022, from 9:30 a.m. – 10:30 a.m. brought to you by the Ontario Traffic Council and Good Roads (Formerly Ontario Good Roads Association).





THANK YOU!

We will be happy to take any questions you may have ?

