

# **Automated Traffic Enforcement Technology Guidelines**

**Province of Alberta**

(January 2009) revised

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### **A. PREAMBLE**

Automated traffic enforcement technology is an important tool to enhance traffic safety. These guidelines are designed to ensure fairness and consistency in the use of automated traffic enforcement technology across Alberta. Devices falling under this program include speed and intersection safety technologies.

Albertans value the safety and security of their communities. They expect that drivers who endanger the lives and well-being of others will be detected and charged. They want to know their children will be safe when they cross the road to school. Road construction workers need safe working conditions, commuters want to drive to and from work in safety and police officers need protection when conducting traffic enforcement.

Automated traffic enforcement technology is one tool that can be used to enforce traffic laws and should only be operated with the support of the local police service. Police services in Alberta not only have the primary responsibility for traffic safety enforcement but also have the expertise to determine where automated traffic enforcement technology can best be deployed to compliment existing traffic safety initiatives. Automated traffic enforcement technology programs under the direction of police will ensure compliance with existing standards and consistent enforcement practices geared towards traffic safety.

Recognizing each community has different policing needs and concerns, Albertans expect automated traffic enforcement technology to be used fairly and with consistency throughout the province. Public advisories, standard and consistent use of signage and clear site selection criteria will promote the appropriate application of these tools. Presently, communities that are policed by the RCMP under a municipal policing contract or have their own police service can use automated traffic enforcement technology within their municipal boundaries.

Automated traffic enforcement technology, combined with other speed enforcement methods, education and awareness can help reduce the number and severity of collisions on our roads.

These guidelines include a requirement for ongoing evaluation to measure the effectiveness of automated traffic enforcement technology on lowering speeds, reducing collisions and other relevant information related to traffic safety.

These guidelines apply to all municipalities who are currently using automated traffic enforcement technology or are planning to use this technology.

## **B. PRINCIPLES - USE OF AUTOMATED TRAFFIC ENFORCEMENT TECHNOLOGY**

Traffic Safety criteria must be used to determine where automated traffic technology will be used. These criteria include, but are not restricted to, high-risk, high-frequency, high-collision and high pedestrian volume locations.

- **High-risk locations** are those where the safety of citizens or police officers would be at risk through conventional enforcement methods.
- **High-frequency locations** are those where data indicates motorists are ignoring or breaking traffic laws on an ongoing basis.
- **High-collision locations** are those where data indicates a greater frequency of property damage, injury or fatal collisions.
- **High-pedestrian volume locations** are those where data indicates a high volume of pedestrian traffic.

It is also essential that automated traffic enforcement technology programs be used in conjunction with existing conventional enforcement and not used as a replacement for officer contact.

## **C. GUIDELINES**

### **1. Organization**

Presently, communities policed by the RCMP under a municipal policing contract or with their own police service have the ability to use automated traffic enforcement technology within their municipal boundaries. In those locations an Automated Traffic Enforcement Program can be established:

- Within a police service
- Within a municipality
- As a contracted service to either of the above

Regardless of which option is selected or in place, responsibility for the operation of the Automated Traffic Enforcement Program shall rest with the police service of jurisdiction, which will provide direction in the following areas by:

- Ensuring enforcement is conducted in accordance with local Traffic Safety Plans
- Directing at which sites automated traffic enforcement technology is to be used, and
- Setting periods of operation and duration of enforcement

### **2. Site Selection Criteria**

**Automated traffic enforcement technology sites will not be selected randomly.**

One or more of the following must exist before automated traffic enforcement technology is used at a specific site.

- Areas or intersections where conventional enforcement is unsafe or ineffective;
- Areas or intersections with an identifiable, documented history of collisions;
- Areas or intersections with an identifiable, documented history of speeding problems;
- Intersections with an identifiable, documented history of offences;

- Intersections near schools, post secondary institutions, other areas with high pedestrian volumes.
- High-speed, multi-lane roadways;
- School and play-ground zones or areas;
- Construction zones; or
- Areas where the public or a community has expressed concerns related to speeding.

**The use of automated traffic technology in speed transition zones must be justified and reasonable, based on the site selection criteria. Automated traffic technology should not be used in transition zones, when a driver is approaching a higher/lower speed zone and is within sight of a higher/lower posted speed sign, unless there are exigent and well documented safety concerns that would justify its use.**

### **3. Operational Considerations for Intersection Safety Devices**

Collisions involving pedestrians and vehicles in intersections are a leading cause of injury-related death and disability among Alberta road users. Intersections on urban streets, where the speed limit is 60 km/hr or less, are particularly dangerous. 47% of all people killed and 57% of those seriously injured in intersection crashes were injured or killed at an intersection on urban streets. (Road Safety Vision 2010)

Intersection Safety Devices will record evidence related to both speed and red light infractions in an effort to encourage safe driving habits through increased awareness and enforcement.

Intersection Safety Devices that record evidence relating to speed may only be used at intersections where there is automated technology capable of conducting red light enforcement. Speed detecting Intersection Safety Devices may not be established without a red light camera.

It is anticipated that some offenders will proceed through a red light in excess of the posted speed limit. Significant risk of death or serious injury to the public is created by drivers who proceed through a red light in excess of the posted speed limit. In these situations, additional charges may be pursued. Additional charges should only occur after consultation with the

Crown Prosecutor's Office on the specific offense(s) detected or alternately, at the Crown's direction on all situations of this nature.

#### **4. Public Awareness**

A key element to the success of any enforcement practice, including the use of automated traffic enforcement technology, is the implementation of a strong public awareness campaign. The following criteria shall be met before automated traffic enforcement technology is used.

##### **A. Signage**

- Permanent signs shall be posted on primary access roads entering municipalities that use automated traffic enforcement technology, alerting the public that automated traffic enforcement technology is used as a speed and red light enforcement tool in the municipality.
- Freeways, major thoroughfares or other roads that are monitored regularly by automated traffic enforcement technology shall have permanent signs along the route, in both directions, advising that speed is monitored by automated traffic enforcement technology.
- Intersections where automated traffic technology is used to monitor speed and red light infractions shall have signs posted in advance of the intersection, from all directions, to advise drivers that an intersection safety device may be in operation.

##### **B. New Automated Traffic Enforcement Program Requirements**

###### **Speed Enforcement: (Both photo enforcement and ISD enforcement)**

- Shall advertise in the local media for a period of three months prior to enforcement taking place.
- Prior to full implementation, shall conduct a four week familiarization period that would see the equipment in regular use but only issue 'warning notices' to motorists.

###### **Intersection Safety Devices:**

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### C. Public Awareness

- Existing automated traffic enforcement technology sites must be advertised on a monthly basis by notifying the local media and posting on an established web site, where possible.

## 5. Testing For Intersection Safety Devices

Intersection Safety Devices shall be tested at minimum every 30 days by a tester appointed under the *Traffic Safety Act*. A tester of an intersection safety device will not be considered for appointment under the *Traffic Safety Act* until he/she provides to the appropriate Alberta Transportation employee suitable documentation from the device manufacturer demonstrating that the tester is competent in the inspection and testing of the intersection safety device.

## 6. Monitoring

Each enforcement agency shall collect data on the use of automated traffic enforcement technology. The data will be collected monthly on each site and reported quarterly to the Alberta Solicitor General and Ministry of Public Security.

At a minimum, the data collection shall provide information as outlined in [Appendix ‘A’](#).

All traffic enforcement technology data generated by Automated Traffic Enforcement will be retained by the enforcement agency for a minimum of ten (10) years.

## 7. Peace Officers engaged in Automated Traffic Enforcement

- Peace Officer Appointments allowing the use of Automated Traffic Enforcement Technology may contain, as a condition of that appointment, a clause requiring compliance with Provincial Automated Traffic Enforcement Guidelines and Provincial Automated Traffic Enforcement Training Guidelines.
- The Public Security Division, at the direction of the Solicitor General and Minister of Public Security, may conduct audits to ensure compliance with these guidelines.

**These guidelines will come into effect and force on January 1, 2009.**