

MHPS PHOTO RADAR TIMELINE

NOV. 1998

Police Commission Closed Special meeting discussed increase use of Photo Radar.



DEC. 1998

Police Commission discussed Photo Radar changes.



AUG. 1997

Photo Radar was used in **school and playground zones**.



OCT. 1997

Photo Radar was used in **other areas of the city**.



OCT. 19 1998
fifty three percent
(53.42%)

of the electors voted yes to the question,

"Should Photo Radar be used in the City of Medicine Hat?"



DEC. 1997

Photo Radar use was **extended to Trans-Canada Highway** at the request of the public.



SEPT. 21 1998

Medicine Hat City Council agreed to submit a non-binding question to a vote of the electors regarding the use of Photo Radar in Medicine Hat, in conjunction with the 1998 general municipal election.



1999

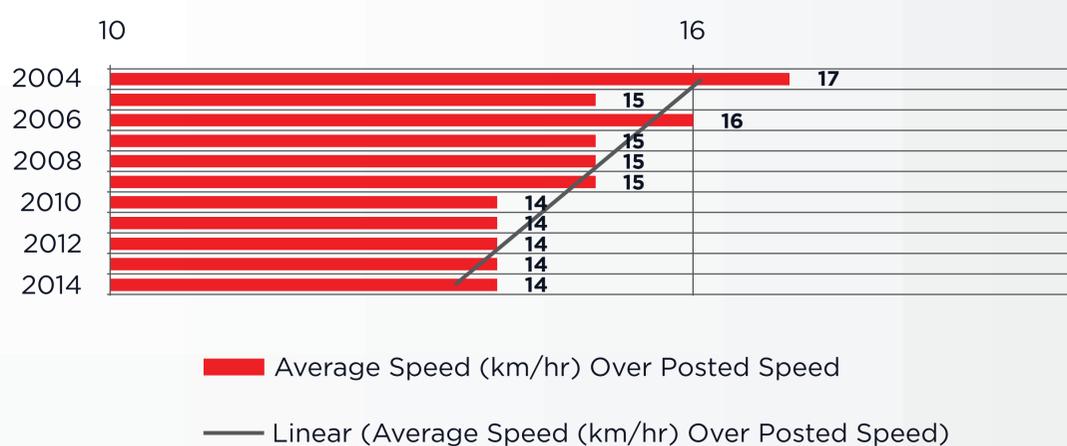
Photo Radar program was expanded to two mobile units. One unit assigned to school zones and playground zones and second unit to high traffic areas throughout the city.



IMPORTANCE OF SPEED MANAGEMENT

In Medicine Hat the overall average speed of vehicles speeding has decreased by 3 Km/hr. over a 10 year period.

**Average Speed Over Posted Speed
2004-2014**



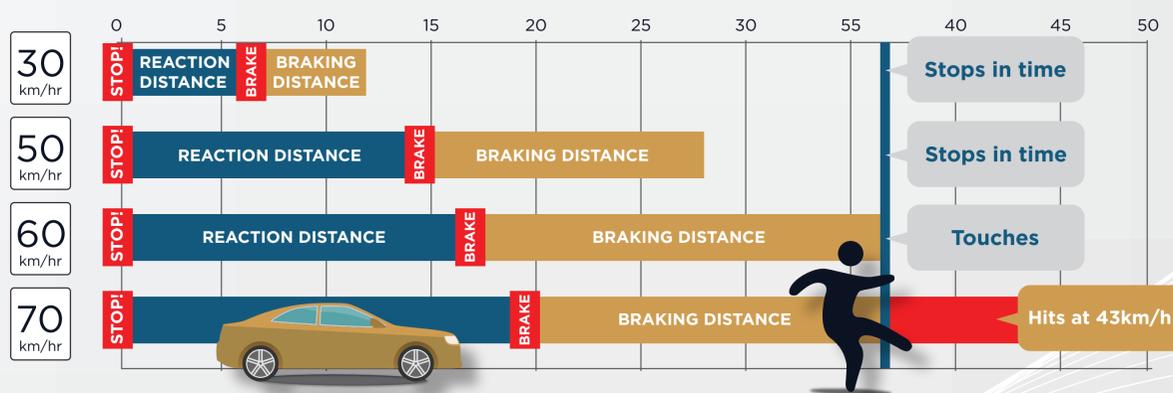
Source: COPS 2000 Statistical Summation Report

Even small reductions of speed are very important in avoiding collisions and in lessening the severity of an impact.

The two main factors of crash avoidance are the reaction time of a driver and the braking distance to stop.

Speed Increases Stopping Distance

Stopping Distance (metres) - Dry Pavement Conditions



Source: Edmonton Traffic Safety Office



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SITE SELECTION CRITERIA

Photo Radar Sites are established by following the Alberta Automated Traffic Enforcement Technology guidelines.

There are presently 173 Photo Radar sites throughout Medicine Hat. These sites can be broken down further:

56

**school zone/playground
combination sites**

34

playground sites

83

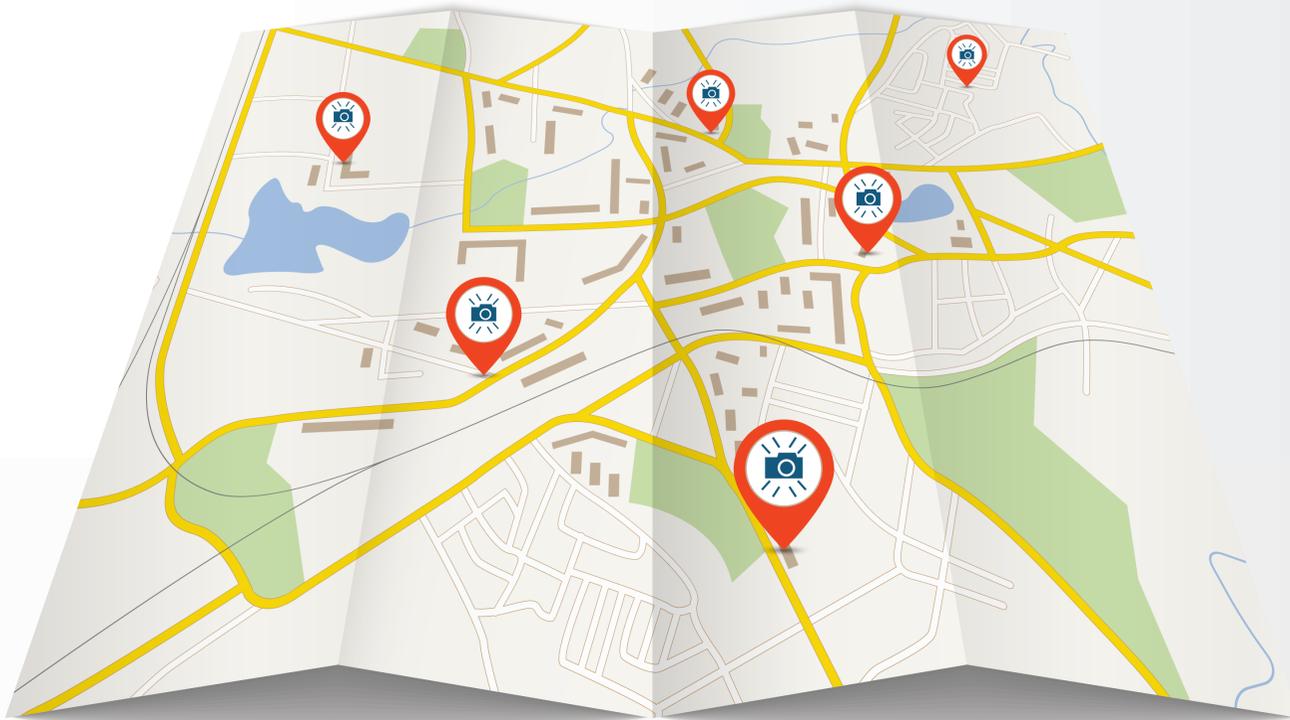
other sites

For a complete list of sites please visit the
Medicine Hat Police Commission website @
www.mhpolicecommission.ca



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ESTABLISHING A PHOTO RADAR SITE



If a location is to be considered as a Photo Radar site as a result of a speeding concern expressed by the public, the Traffic Unit will confirm that an area does have speeding issues by using a “Speed Spy”.

Traffic speed is monitored for 3 - 4 days and the data is analyzed.

Using the data the Traffic Unit will determine if there is a speed issue in the area.

Once determined speed is an issue and the area meets the Provincial Guidelines to be a photo radar site, approval is obtained from the Office of the Chief to make the area into a Photo Radar site.



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PUBLIC AWARENESS FOR PHOTO RADAR SITES

New sites are advertised with local media outlets, Facebook, Twitter and the MHPS website for 3 months prior to any enforcement.

The MHPS issues “warning notices” for the first four weeks a new site is activated.

Street signage is also posted prior to the start of enforcement to inform drivers.

Every day, 5 of the photo radar sites to be enforced are advertised on social media and by the media.



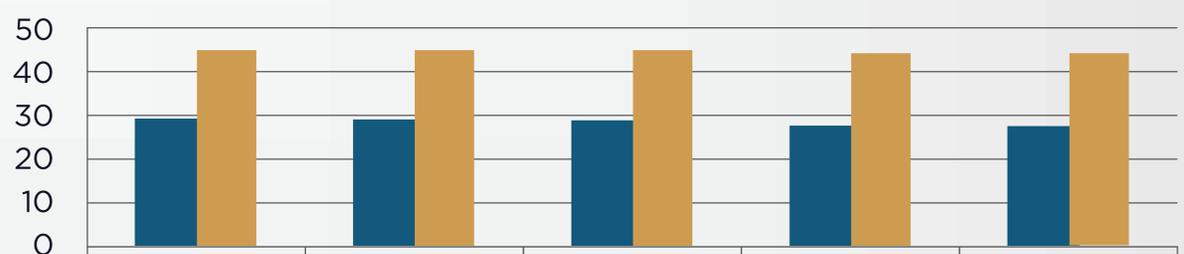
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SPEEDS IN PLAYGROUND AND SCHOOL ZONES

The chart below includes speeding data over five years and shows there has been a steady decrease in the average speed of violators.

The average speed of violators in the 30km/hr. zones is 44.80km/hr. which is 14.8km/hr. over the speed limit.

Average Speeds of Vehicles Monitored and Ticketed in 30 km/hr zones



■ Average Speed Monitored km/hr	28.54	28.51	28.53	28.43	28.33
■ Average Speed Ticketed km/hr	44.99	44.90	44.83	44.69	44.57



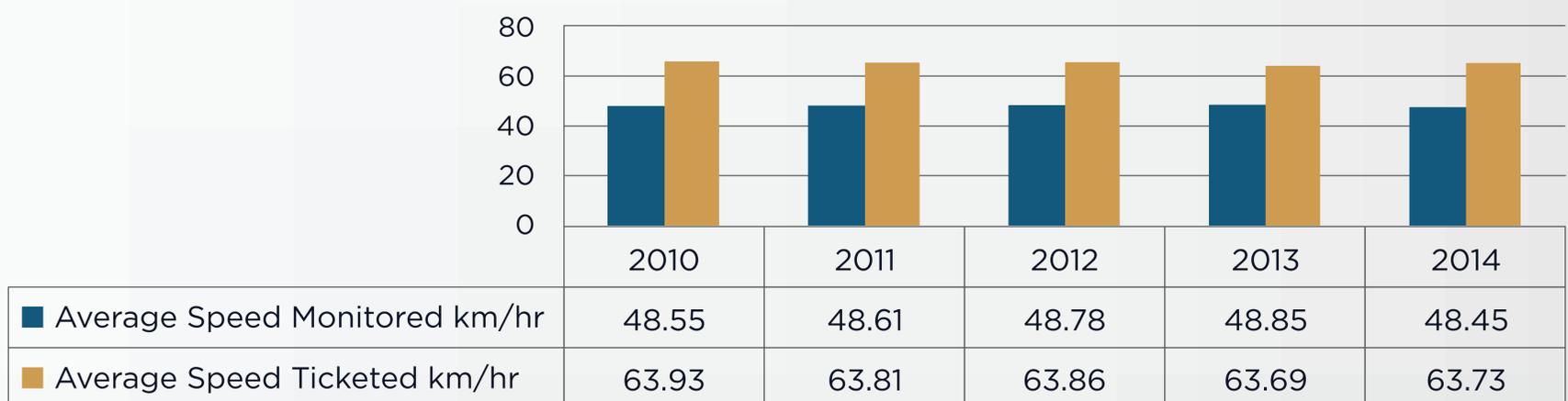
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AVERAGE SPEEDS 50 KM/HR ZONES

In 50 km/hr. zones the average speed of vehicles monitored has remained relatively stable with speeds of 48.65km/hr.

The average speed of violators for the last 5 years was 63.80km/hr. which is 13.8km/hr. above the posted speed limit.

Average Speeds of Vehicles Monitored and Ticketed in 50 km/hr zones



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REDUCING MOTOR VEHICLE COLLISIONS

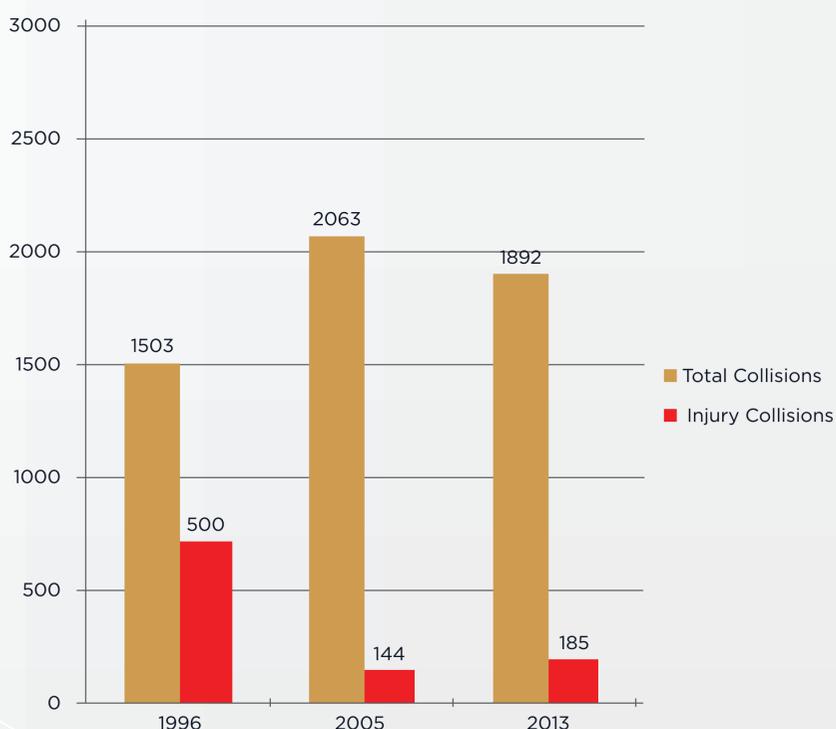
The MHPS uses Photo Radar to enhance road safety in combination with officer initiated enforcement and education.

Since the introduction of Photo Radar in 1997 motor vehicle collisions in Medicine Hat have remained relatively constant despite a population growth of 15,000 people.

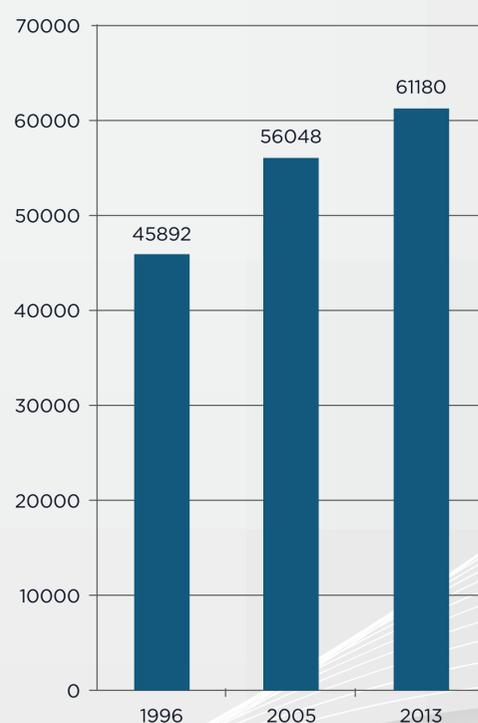
More significantly the number of motor vehicle collisions with injuries over the same period of time is trending downwards.



Total Collisions and Injury Collisions in Medicine Hat

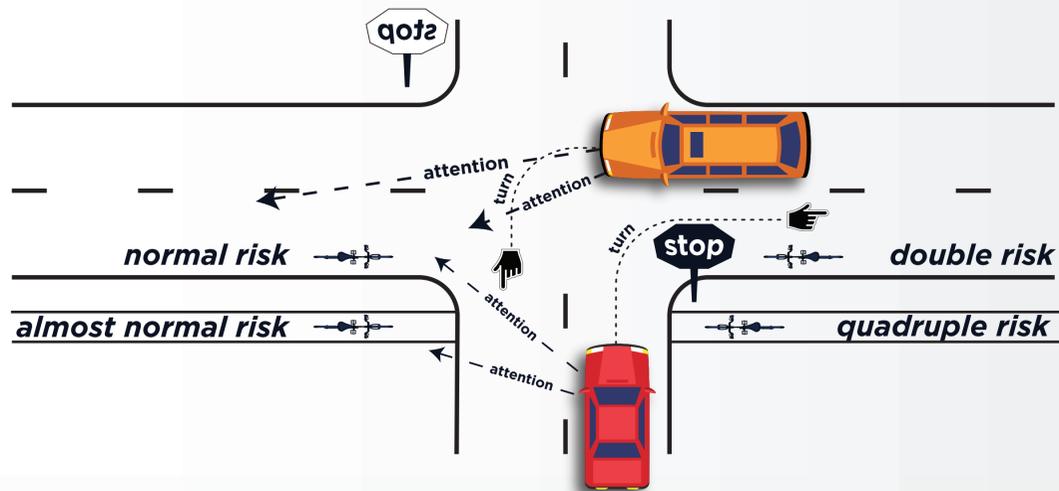


Population of Medicine Hat



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PHOTO RADAR'S EFFECT ON COLLISIONS



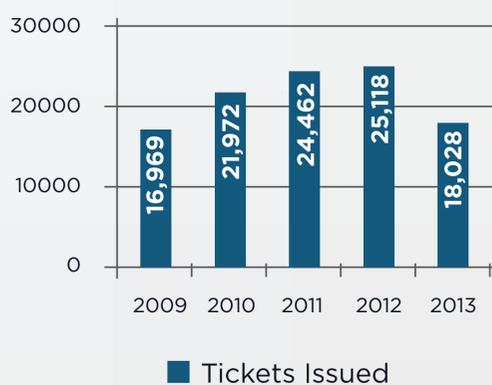
When Photo Radar tickets increase, the amount of intersection collisions decreased.

The following are taken from the MHPS annual reports:

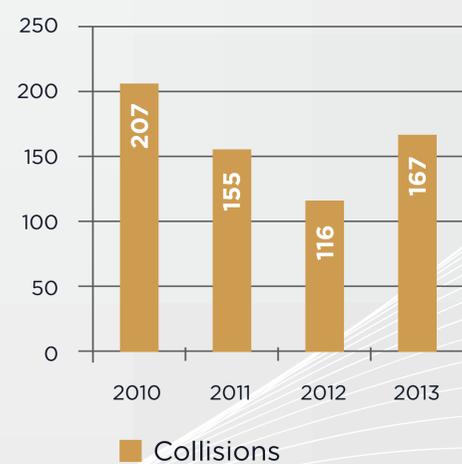
In 2009: Within photo radar sites, there was a 17% decrease in motor vehicle collisions and a 31% decrease in motor vehicle collision injuries.

In 2010: Within photo radar sites there was a 14.5% reduction in motor vehicle collisions compared to 2009.

Intersection ATE Tickets Issued



Intersection Collisions



Source: RMS and Solicitor General Reports



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FINE REVENUE FROM PROVINCIAL TICKETS

In 2015 the Government of Alberta increased speeding traffic fines. The average increase of a photo radar speeding ticket was raised 26%.

The Government also increased their ticket administration fee that went from 31.67% to 41.67% for each ticket.

B12605972D  **B12605972D** **VIOLATION TICKET CANADA Province of Alberta** **OFFENCE NOTICE**

On or about the 29TH DAY OF SEPTEMBER, 2015 at or near MEDICINE HAT, Alberta
 NAME **DOE, JOHN** ADDRESS **123 MAIN ST MEDICINE HAT, AB T1A8H2**

DID UNLAWFULLY CONTRAVENE Section 160(1) of the Traffic Safety Act - owner of vehicle involved in a contravention of Section 115(2)(p) of the Traffic Safety Act - exceed maximum speed limit

OFFENCE NOTICE
 I believe on reasonable and probable grounds and certify that the person named above committed the offence as indicated .

BROWN, L. **1006** **MHPS**
 Issuing Officer Badge/Regiment Number Law Enforcement Agency

IN THE NAME OF HER MAJESTY THE QUEEN YOU ARE THEREFORE COMMANDED TO APPEAR BEFORE A JUSTICE AT
Provincial Court of Alberta, Front Counter, 460 - 1st Street S.E. Medicine Hat, Alberta
on Friday, 8TH DAY OF JANUARY, 2016 at 9:00am
 AND TO ATTEND THEREAFTER AS REQUIRED BY LAW.

THE FOLLOWING DOES NOT FORM PART OF THE CHARGE

SPEED LIMIT: 50 km/h RECORDED SPEED: 67 km/h
 OFFENCE TIME: 9:17 PM
 PLACE OF OFFENCE: Site 408 - Dunmore Rd SE - Carry Dr SE to 22 St SE - NB OP 6596

VOLUNTARY PAYMENT OPTION	\$149.00
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OPTIONS: CHOOSE ONE OPTION ONLY.
 YOU MAY PLEAD GUILTY TO THE OFFENCE CHARGED BY MAILING OR DELIVERING THIS TICKET TOGETHER WITH THE VOLUNTARY PAYMENT IN THE AMOUNT INDICATED.

OPTION 1: PAY THE VOLUNTARY PAYMENT amount on or before the appearance date as indicated above. This ticket may be paid in person at any Registry Office or Provincial Court. You must bring this ticket with you when making a payment. If you wish to mail your payment, see below for mailing instructions. You may also pay this ticket using the Internet by following the instructions on the website at www.finepayment.gov.ab.ca. Service fees will apply at a Registry Office or if you use the website. If you wish to mail your payment send it to:

Mailing Address: **Provincial Court, 460 - 1st Street S.E., Medicine Hat, AB T1A 0A8**

Include your ticket with your payment and write the ticket number on the back of your cheque or money order. Do not send cash through the mail. Cheques or money orders in Canadian Funds must be made payable to: **Government of Alberta.**

NOTE: Where authorized, the voluntary payment option includes a victims surcharge. The victims surcharge is used to assist victims of crime in the Province of Alberta.

OPTION 2: PLEAD NOT GUILTY by mailing this ticket to the address indicated after signing the following statement:
 I wish to **Plead Not Guilty** to the offence I have been charged with and **Will Appear at the Trial Date** set for me. I understand that I will be advised of this trial date by ordinary mail which will be sent to my address above unless I indicate a different address below. I understand that should I fail to appear for my trial I may be convicted in my absence without a hearing and I will be responsible for payment of any penalty plus late payment charges that may become applicable.
 Print Name : _____ Date : _____ Signature : _____

OPTION 3: APPEAR BEFORE A JUSTICE at the appearance address and date indicated above. You may plead guilty or not guilty to the offence charged. If you plead guilty, you may ask for time to pay the fine, but if you wish to make submissions as to penalty, you may be referred to a First Appearance Prosecutor, where one is available, or a hearing may be set for a later date. If you plead not guilty, a trial date will be set.

WARNING: The onus is on you to ensure that payment or any other action reaches the Court Office prior to your appearance date. If you choose the Voluntary Payment Option, your payment must be received on or before the appearance date to avoid late payment charges. Should you be convicted of the offence in your absence and fail to pay the fine imposed within the time allowed if any, you will be subject to late payment charges. The amount of the late payment charge will be \$20 or 20% of the above Voluntary Payment amount whichever is greater.

You have the right to retain and instruct counsel regarding this matter.

If you fail to respond to this Offence Notice as required by law by the appearance date indicated above, or if you plead not guilty and fail to appear in court in person or by agent on your trial date, you will be deemed not to dispute the charge, and you may be convicted of the offence in your absence without a hearing. If you are convicted, until the fine plus any late payment charges are paid in full, you will not be allowed to obtain or renew your Driver's Licence and/or Motor Vehicle Licence(s).

Change of Address
 Please complete if your address is different than shown above.
 Street : _____ City/Town : _____ Province : _____ Postal Code : _____

B12605972D **PART 3**

← Specified penalty for speeding

\$62.08
Gov. Admin. Fee

\$86.91
to City in fine revenue



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2015 PHOTO RADAR FINE REVENUE

Using the 6 year averages of Photo Radar to Officer Initiated Tickets (OIT) of 77% and 23% respectively, the 2015 fine revenue projected breakdown for Photo Radar is as follows:

Photo Radar (ATE) Revenue

\$2,672,566

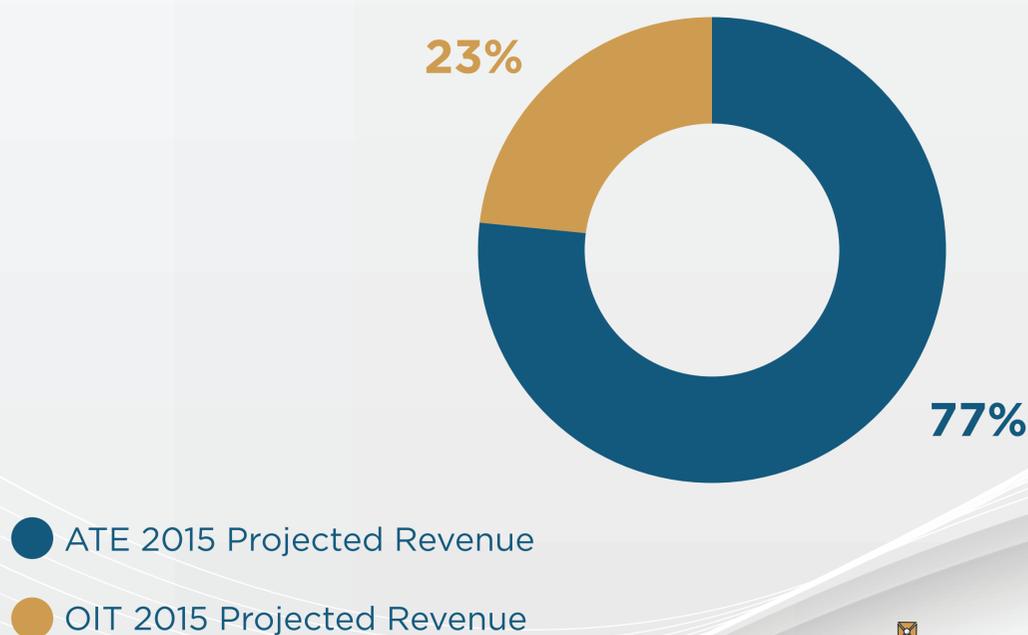
OIT Revenue

\$798,299

Total

\$3,470,865

2015 Fine Revenue Projections of ATE and OIT



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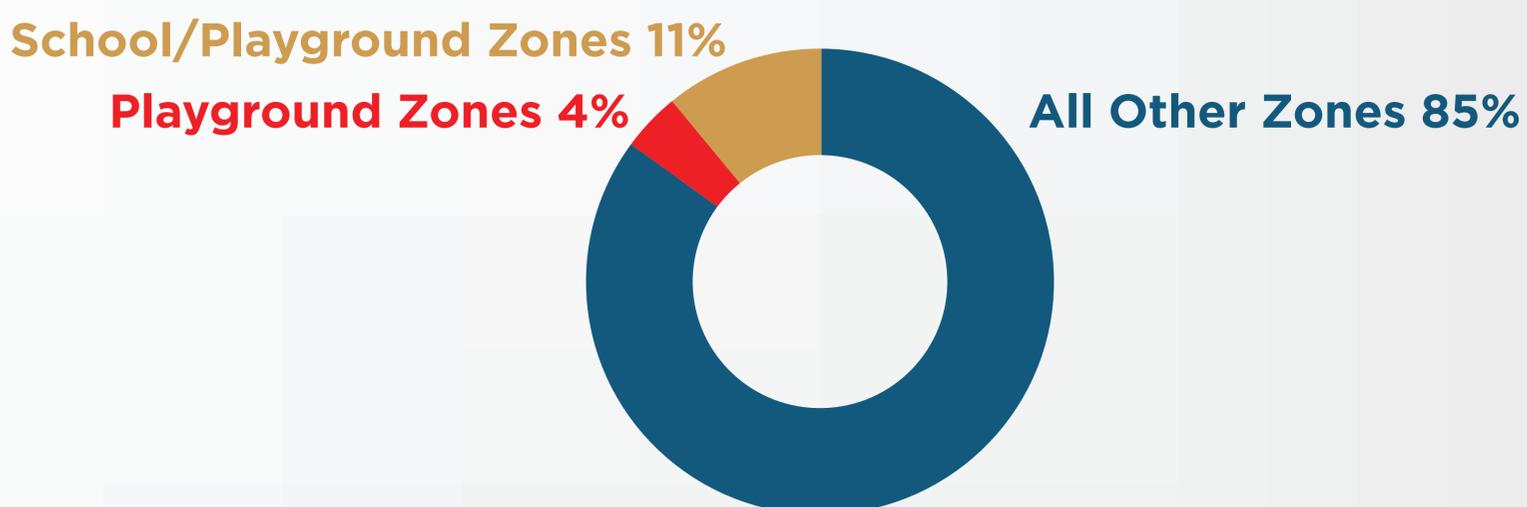
PHOTO RADAR FINE REVENUE

The fine revenue from Photo Radar comes from 3 categories.

1. Other zones/sites
make up **85%** of ticket revenue

2. Playground zones
make up **4%** of ticket revenue

3. School/Playground combination zones
make up **11%** of ticket revenue



Source: Solicitor General Statistics for 2009-2014.

The following represents a breakdown of which zone types the ATE fine revenue projections in 2015 will likely come from:

1. All other sites \$2,271,681
2. Playground zones \$106,903
3. School zones \$293,982

Total Photo Radar Revenue \$2,672,566



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