

TOWN OF MORINVILLE
TRAFFIC SAFETY PLAN
2018-2021





PURPOSE

The purpose of the 2018-2021 Traffic Safety Plan is to serve as an internal guiding document for operational decision-making related to traffic safety through 2018-2021. Its purpose is to document analyzed data, prioritize initiatives and improve road safety in accordance with the requirements of employers of Community Peace Officers, as outlined by the *Public Security Peace Officer Program – Policy & Procedures Manual*.

PREAMBLE

A Traffic Safety Plan is a mandatory requirement for all Authorized Employers of Community Peace Officers who conduct moving traffic enforcement. The intent of this plan is to bring awareness to the employer of the frequency and locations of motor vehicle collisions that involve serious injury or death and to then direct enforcement activities to target causal factors. It's the responsibility of the employer to ensure that the peace officers who perform traffic safety enforcement duties are aware of the Traffic Safety Plan and conduct their enforcement in accordance with the plan.

In order to ensure fair and consistent enforcement that improves traffic safety, Authorized Employers, who conduct active traffic enforcement, are required to file an updated Traffic Safety Plan with Public Security Division at minimum every three years. The plan must incorporate the most recent collision data available from the police service of jurisdiction. Public Security Division, at the direction of the Solicitor General and Minister of Public Security, will conduct audits to ensure compliance with this requirement.

GENERAL INFORMATION

Morinville has employed Community Peace Officers (formerly Special Constables or Bylaw Officers) since 1981 when it was a village of approximately 4,580 residents. Morinville has since grown to approximately 9893 residents currently employing three full-time Peace Officers one of which is a supervising sergeant, 5 casual Peace Officers and one full-time administrative assistant. The Royal Canadian Mounted Police is the contracted police force for the community. Morinville also uses a contractor for Automated Traffic Enforcement throughout the community. The staff operating through the contract services are designated Community Peace Officers and are restricted, in Morinville, to only providing speed enforcement by use of photo technology in areas posted 90km/hr or less.

The Enforcement Services office is located at the Morinville RCMP Detachment. Morinville's CAO oversees the



department through the Director of Protective and Community Services which is the Peace Officer Program designated contact person. Duties include local bylaw enforcement and compliance, provincial statutes enforcement, animal control, traffic enforcement and public safety education.

Secondary Highway 642 (known locally as 100th, avenue) runs directly through Morinville, eastbound and westbound. Morinville has approximately 56 kilometers of local roads including residential roadways, six schools, a recreational facility and several businesses located throughout town.

Morinville is a progressive community located within Sturgeon County approximately 20 minutes north of Edmonton. In an effort to help Morinville be a safe community in which to live it utilizes a three year traffic safety plan.

Morinville has a Traffic Advisory Committee and is also a member of CRISP. Both of these groups are traffic safety oriented and through these groups, Morinville is aware of the Vision Zero and Safe Systems.

When analyzing collision data in relation to the age of drivers involved in collisions, by comparison there is no real age variance of drivers involved in collisions in Morinville versus drivers involved in collisions across Alberta.

PHILOSOPHY

Morinville strongly believes in traffic safety and the overall safety of all residents and visitors. Morinville's Strategic Plan 2017-2019 outlines Public Safety as being one of the five major areas to focus on. The strategic plan states "we are committed to continuing to be a safe community in which to live". This statement is echoed in Morinville's 2017 business plan.

Enforcement Services will continue to liaise with other departments to ensure all four "E"'s of safety are met. The four "E"'s of safety are: Engineering, Enforcement, Education and Evaluation. This will be done through the use of the Traffic Advisory Committee, Public Works and Engineering, Planning and Development and Communications.

Morinville will utilize the Vision Zero philosophy and will accomplish that by adopting the safe systems philosophy and approach.



SUMMARY

Morinville Traffic Safety Plan 2018-2021 will serve as a model of traffic operations for Morinville. In order to



have a successful program, we need to achieve voluntary compliance by educating the public, public relations and being visible in our community.

Morinville's Traffic Safety Plan will primarily focus on four driving behaviors including speeding, distracted driving, crosswalk and pedestrian safety as well as intersection safety. Community Peace Officers will focus their enforcement efforts on all roadways within Morinville with extra focus on school zones and playground zones.

Morinville will continue and expand on safety awareness and projects within Morinville including but not limited to the Candy Cane Safety Initiative, Bicycle Safety Rodeo, Directed School Patrols in all school zones/areas, Playground Patrols in all playground zones/areas, Checkstops, Joint Force Operations and the Positive Ticketing Program.

Morinville Enforcement Services will work alongside other departments within Morinville ensuring that important safety messages and information about initiatives is easily accessible to the public.

The *Point, Pause, Proceed* education program, mock collisions, Option 4 program, speed data analyzing, PARTY Program and Standardization of School Zone Entrances are being considered by the Traffic Safety Committee and Enforcement Services and will look to implement these in 2018-2021.

TRAFFIC SAFETY PLAN 2018-2021

Areas of focus for the traffic safety plan include but are not limited to playground zones, school zones, local roadways and major arterial roadways.

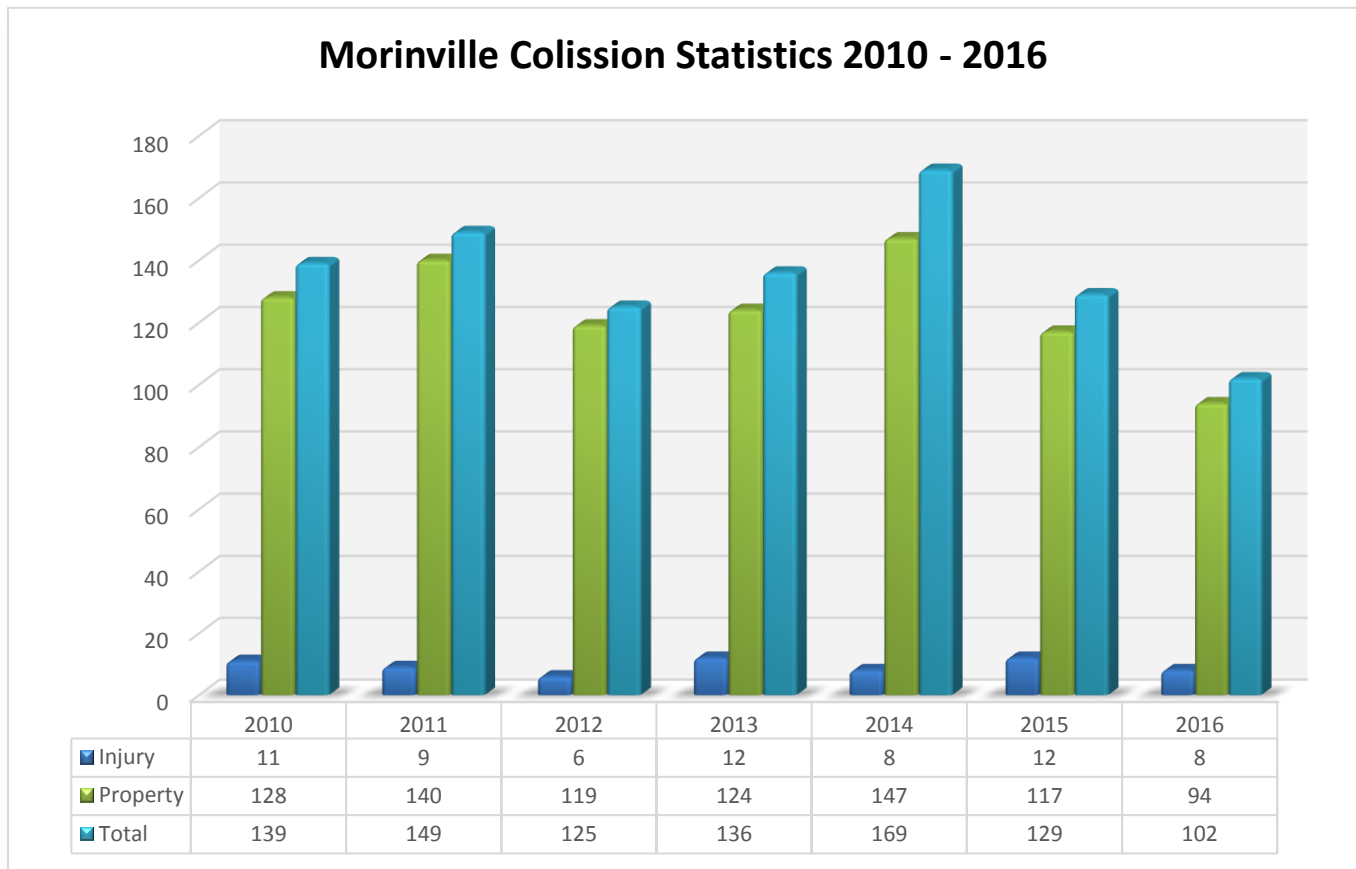
The following is a summary of specific targets that the Morinville traffic safety plan intends to meet:

- A) provide at a minimum, 25 officer hours of instructional/presentation time per year of Traffic Safety Education throughout the community.
- B) Be equivalent or less than 30% of the provincial overall rates per 10,000 population by 2021. (2015 Morinville had 129 collisions per 10,000, whereas the province rate was 335 per 10,000 putting Morinville in the 39th percentage).
- C) No more than 5 injury collisions per year by 2021.
- D) No more than 100 motor vehicle collisions per year by 2021.

Included in the above targets, the Town of Morinville, through the use and implementation of this Traffic Safety Plan, would like to achieve a reduction of traffic collisions with an emphasis on injury reduction collisions. As well, have an impact on reducing speeding violations and increase compliance with traffic safety regulations (i.e.: seatbelts, stop signs, distracted driving, ect).



Ultimately the community would like to achieve a rate of collisions that is the lowest in the region per capita.



**The above statistics are provided by Alberta Transportation. To note, 2016 numbers are currently unofficial.

PRIMARY FOCUS for 2018-2021

Driver behavior continues to be identified as a leading contributor to motor-vehicle collisions. Road safety utilizes law enforcement to change behaviors of road users when engineering and education do not achieve the desired results. Community Peace Officers will primarily focus traffic enforcement efforts on factors that lead to collisions, notably the following:

1. Speeding
2. Distracted Driving
3. Crosswalks/Pedestrian Safety
4. Intersection Safety



1. Speeding

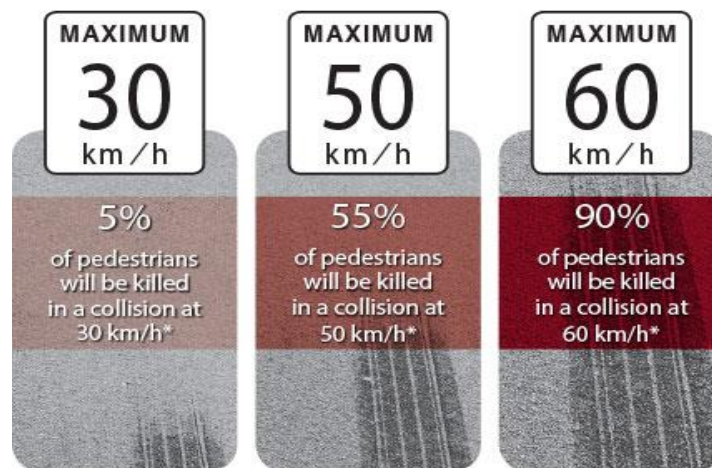
Speeding has been and continues to be one of the highest areas of focus for Peace Officers. Resident complaints and statistics compiled through enforcement activity and instrumentation demonstrates that speeding vehicles are concerning. The same statistics show that the trend is slowing and efforts being made are making a positive impact on motorists through Morinville. Efforts must continue to ensure the safety of all users of local roadways.

Enforcement services has strengthened the enforcement related relationship with the RCMP and partnering agencies. 2015 and 2016 saw the entire year and 2017 saw a large portion of the year schedule Joint Force Operations to target traffic initiatives and local supervisors meet regularly to discuss efforts being made in traffic areas.

The dangers of high level speeding (driving > 30 km/h above the posted limit) are pretty obvious. However, low level speeding (driving <15 km/h over the limit) contributes far more to collisions than high level speeding. Studies have found nearly 60% of fatal and injury crash risk could be eliminated by eliminating speeding up to 15 km/h over the limit (Source: <http://acrs.org.au/files/arsrpe/R2010870.pdf>).

The City of Edmonton's, "Traffic Safety Culture Survey: Summary of Key Findings 2016" Survey would highlight that people still feel that low level speeding is an acceptable risk. Overall, this study finds that there is sometimes a gap between peoples' attitudes and perceptions and how they actually behave on the roadway. (Source: <http://drivetolive.ca/wp-content/uploads/2017/03/TrafficSafetyCultureSurveyReport2016.pdf>).

The number of low level speeders contributes to a large proportion of the risk associated with speeding. By comparison, only a small proportion of the fatal and injury crash risk is due to drivers travelling at 31 km/h or more over the speed limit, because they represent so few drivers (Source: <http://acrs.org.au/files/arsrpe/R2010870.pdf>)



Recommended Actions

Continue monitoring speed through the use of Portable Speed Display Signs as well as enforcement to motorists that are exceeding the speed limit. Utilizing techniques such as education and awareness throughout the town to ensure voluntary compliance. Continuation of Joint Force Operations with other agencies and focus on speeding motor vehicles. As well, target areas identified through the use of technology.



Education/Marketing

Ensure that educational messages in relation to speed are accurate and disseminated through Corporate Communications to be displayed in various forms of media. This is to be conducted in line with the Alberta Transportation STEP Calendar.

Enforcement

Morinville Enforcement Services along with other law enforcement agencies will continue to enforce speeding legislation within Morinville. Enforcement by way of Radar and Laser technology will continue by Community Peace Officers. Morinville's Traffic Safety Plan includes the use of Automated Traffic Enforcement (ATE). Automated traffic enforcement will continue to comply with internal policies and procedures but will target areas frequented by high vulnerable users (ie. school zones) and identified areas of concern.

OTHER TOOLS AVAILABLE

Portable Speed Display Sign Operations

Enforcement requires an educational/preventative component to be effective. This is important when addressing traffic concerns – especially speed enforcement. For these reasons Morinville uses portable speed display signs. These portable signs are normally placed adjacent to a targeted roadway facing traffic, which is suspected to be traveling faster than the posted speed limit. The unit has a built-in, automated radar antenna, which measures the speed of oncoming vehicles. The speed is then displayed electronically to approaching drivers, notifying them of the speed they are traveling. This acts as a friendly reminder to potential speeders who may otherwise not be aware of their excessive speed.

The use of speed display signs in Morinville has been successful for several reasons. These signs are versatile enough to be used almost anywhere – even in areas where a manned speed enforcement operation is difficult. These signs do not require the attendance of an Officer. Instead, it can be setup at a targeted location and left alone, thanks to its internal rechargeable power source. The most unique advantage of this device is the element of citizen participation. Road data collection using speed display signs were used widespread across the community during the warmer months of 2015, 2016 and 2017. The data gathered is proving to be very valuable and usable in making safety decisions. Further use of the signs and year over year comparisons are being explored.



The data gathered will assist decision making and will allow for a comparison after change is implemented. In 2017 there were 2 more permanent speed signs installed in Morinville.

2018-2021 will see consideration to include an emphasize on the portable speed display signs to be used across the Town of Morinville in areas of concern.



AUTOMATED TRAFFIC ENFORCEMENT (ATE)

ATE Technology has been conducted to deter speeding and reduce motor vehicle collisions in Morinville since July 2009. Morinville's Automated Traffic Enforcement Policy ensures compliance with current provincial guidelines. The criteria approved by Morinville Council regarding ATE operations includes, but is not restricted to, high-risk, high frequency and high-collision locations. It is also essential that ATE Technology be used in conjunction with existing conventional enforcement and not a replacement for officer contact.

All selected ATE locations fall within the site criteria requirements listed in the *2009 Automated Traffic Enforcement Technology Guidelines* for the Province of Alberta and associated regulations. In addition, each location receives written approval from the Morinville RCMP, as per the same regulations.

In 2017, all the Automated Traffic Enforcement sites were fully reviewed and changes were implemented. The 2018-2021 Traffic Safety Plan schedules a full site review in 2019.

Public Awareness for ATE

A key element to the success of any enforcement practice is the implementation of a strong public awareness campaigns. In accordance with the Provincial *2009 Alberta Automated Traffic Enforcement Technology Guidelines*, permanent awareness signs are posted on primary access roadways entering Morinville, as well as major thoroughfares, school zones and other roads monitored regularly by ATE. Public awareness signs clearly advise motorists that speed is monitored using this technology. The goal of which is to increase voluntary compliance from motorists, and therefore reducing vehicles speeding at these high-risk locations.

SITE SELECTION CRITERIA

ATE sites are selected based on specific criteria. One or more of the following criteria must be met before ATE is deployed at a specific site:

- High-risk locations are those where the safety of citizens or 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 collisions.
- Where conventional enforcement is unsafe or ineffective.
- Areas or intersections with a history of collisions.
- Areas or intersections with an identifiable, documented history of speeding problems.
- High-speed, multi-lane arteries.
- School and playground zones or areas.
- Construction zones.

Areas where the public or a community has expressed concerns related to speeding.



2. Distracted Driving

Distracted driving has been a concern for law enforcement over the last decade due to the prevalence in the collisions it is associated too. Morinville Peace Officers have been and continues to actively monitor users of the roadway to ensure compliance.

The Provincial government has recently increased the penalties for distracted driving and attached demerit points to convictions. It has also been added to the annual Provincial STEP (Selected Traffic Enforcement Plan) calendar as an area of focus.

Peace Officers consistently observe distracted driving occurring within Morinville, notably in school zones and other areas where vulnerable users of the roadway network are interacting with motorists.

2018-2021 will see distracted driving added to an area of focus for the first time throughout Morinville.

Distractions such as cell phones, reading and eating take your attention off the road. Research shows that this reduces driver performance and increases the risk of error behind the wheel.

Alberta's distracted driving law restricts drivers from doing any of the following while driving:

- Using hand-held cellphones
- Texting or e-mailing
- Using electronic devices like laptop computers, video games, cameras, video entertainment displays, and programming portable audio players (e.g., ipods)
- Entering information on GPS units
- Reading printed materials in the vehicle
- Writing, printing or sketching
- Personal grooming



Recommended Actions

Marketing campaign through the use of social media and Candy Cane Check Stops, along with presentations in the local High School to ensure new road users are also made aware of the dangers of driving while distracted.

Education/Marketing

Ensure that educational messages in relation to distracted driving are accurate and disseminated through Corporate Communications to be displayed in various forms of media.

Enforcement Services will also work alongside the RCMP School Resource Officer to do presentations within the local High School on the dangers of distracted driving.

Enforcement

Morinville Enforcement Services will continue to enforce on distracted driving legislation within Morinville. Enforcement by way of officers observing in person as well as different tools that are made available to



them will continue by Community Peace Officers. Establish a monthly distracted driving specific operation

3. Crosswalks/Pedestrian Safety

Crosswalks continue to be an area of high concern both from complaints received as well as from observations by Peace Officers and incidents noted with enforcement partners. Crosswalk concerns vary depending on their use and location. Although immediate steps were made by the Morinville Traffic Advisory Committee (TAC) to assist with crosswalk safety there appears to be a larger theme being discussed. Crosswalk consistency, use, location and visibility balanced against concerns brought forward by the public and the TAC shows there is a need to address the method used in identifying crosswalks. Initiatives like *SafeRoutes* has been discussed and considered as future aspirations.

2018-2021 will see consideration to include an emphasize on the *point, pause, proceed* program to be taught to local youth within the community. Furthermore, curb bulbing is an initiative that will be explored to increase safety for pedestrians and other road users.

Recommended Actions

Increase patrols and enforcement of crosswalks including vehicles failing to stop for pedestrians, as well as vehicles parking too close to crosswalks. Community Peace Officers attending local schools to do presentations on *Point, Pause, Proceed*.

Education/Marketing

Ensure that educational messages in relation to crosswalk and pedestrian safety are accurate and disseminated through Corporate Communications to be displayed in various forms of media.

Enforcement Services will attend local Elementary Schools to do presentations on *Point, Pause, Proceed* throughout 2018-2021.

Enforcement

Target drivers that are failing to stop for pedestrians as well as target vehicles that are parked in/too close to crosswalks throughout Morinville.

4. Intersection Safety



Safety at intersections is an area of concern for Enforcement Services. Collisions occur at intersections because motor vehicles are in conflict with each other when crossing or turning in traffic. Throughout the province, the majority of fatal collisions are intersection- or driver behavior, such as red light running, speeding and non-compliance with stop signs. Other road users, such as pedestrians and cyclists can also be non-compliance at intersections, for example, crossing near the end of a signal cycle.



Traffic management, including the consistency of signage, speed limits and signal phasing, also affects intersection safety. Maintenance issues, such as faded line markings, road surface conditions and appropriate lighting, also contribute to intersection safety.

Recommended Actions

Enforcement action focused on intersection safety including but not limited to: stop signs, red lights, and crosswalk safety. Use single officer and multi officer approach to do targeted enforcement at these locations.

Education/Marketing

Ensure that educational messages in relation to intersection safety are accurate and disseminated through Corporate Communications to be displayed in various forms of media.

Enforcement

Enforce appropriate legislation while using officer discretion in relation to intersection safety throughout Morinville. Morinville's Traffic Safety Plan includes the use of Automated Traffic Enforcement (ATE) at the discretion of Morinville's council for use at intersections. Enforcement Services will target high collision intersections for driver errors. To assist in limiting distractions, enforcement services will ensure other distractions, such as signage, is restricted to intersections.

SAFETY AWARENESS & PROJECTS

Morinville is committed to ensure that safety awareness is addressed as it forms an integral part of every safety plan. Administration with the assistance of the Communications Coordinator continues to relay important safety messages and information about initiatives. Monthly Selected Traffic Enforcement Program (STEP) targets are communicated in line with the Town's traffic safety plan and the Province of Alberta's traffic safety plan. Community engagement and education will continue to be a focus for enforcement personnel.

Point, Pause, Proceed will to be a focus in 2018-2021 to better assist education in pedestrian traffic. This will also be a foundation for consideration of *saferoutes*.

CURRENT INITIATIVES

Enforcement Services will continue with ongoing initiatives. These initiatives are not projects that were previously mentioned for specific safety focus area, they include but are not limited to:

1. Candy Cane Safety Initiative
2. Bicycle Safety Rodeo
3. School Patrols in all school zones/areas
4. Playground Patrols in all playground zones/areas
5. Checkstops
6. Joint Force Operations



7. Positive Ticketing Program
8. Traffic Advisory Committee

1. Candy Cane Safety Initiative

The Candy Cane Safety Initiative is an annual initiative organized by Enforcement Services within the Town of Morinville. This initiative happens in December where Community Peace Officers, along with RCMP, Sheriffs, Fire Department, EMS and other agencies set up a safety initiative to hand out items; including candy canes, to drivers and remind them about the importance of safe driving year round and especially around Christmas time.

Enforcement Services will schedule and facilitate the Candy Cane Safety Initiative at least once per year in the month of December.

2. Bicycle Safety Rodeo

The Bicycle Safety Rodeo is an annual initiative organized by Enforcement Services within the Town of Morinville. This initiative happens in the spring months where Community Peace Officers, along with our partners set up a Bicycle Safety Rodeo within Morinville and teaches youth participants about the importance of riding their bicycles safely as well teaching the youth the proper hand signals.



Enforcement Services will schedule and facilitate the Bicycle Safety Rodeo with as many regional safety partners as possible at least once per year, preferably in the spring.

3. School Patrols in all School Zones/Areas

Morinville Enforcement Services has always been very active with being within the School Zones and Areas throughout Morinville with emphasis during peak times. Patrols come in different modes which include on foot, by bicycle or by vehicle. By having Enforcement Services within the School Zones/Areas it provides a deterrence to motorists to abide by all rules of the road and increases awareness.

Enforcement Services will have daily directed school patrols throughout schools in Morinville.

4. Playground Patrols in all Playground Zones/Areas

Morinville Enforcement Services has always been very active with being within the Playground Zones throughout Morinville. Patrols come in different modes which include on foot, by bicycle or by vehicle. By having Enforcement Services within the Playground Zones it provides a deterrence to motorists to abide by all rules of the road and increases awareness.

Enforcement Services will have daily directed playground patrols throughout playgrounds in Morinville.



5. Checkstops

Morinville Enforcement Services will actively participate where permitted by policy in checkstops performed by the RCMP. Morinville Enforcement Services will work with the RCMP in organizing the date, time and location of checkstops.

Enforcement Services will participate and assist the RCMP in every planned checkstop within Morinville.

6. Joint Force Operations

Morinville Enforcement Services will continue to participate and organize Joint Force Operations in town and the region. These Joint Force Operations may be conducted with other agencies including but not limited to; the RCMP, Alberta Sheriffs, Sturgeon County Enforcement Services and Alberta Health Services.

Joint Force Operations are used to have representatives from more than one agency working together targeting specific traffic violations. Morinville, along with our regional partners are committed to traffic safety.

Enforcement Services will participate in every planned Joint Force Operation with our partners in the region.

Furthermore, enforcement services will host a regional joint force operation at minimum of twice per year.

Enforcement Services will participate in a minimum of 12 Joint Force Operations per year.

7. Positive Ticketing Program

The Morinville Positive Ticket Program is a very progressive program where youth are “ticketed” for doing positive things throughout the community including following the rules of the road such as wearing a helmet while riding a bicycle, using the *Point Pause Proceed* method or doing good deeds to name a few.

**Positive
Ticket**

Morinville Enforcement Services in the past has worked with local businesses in securing sponsorships of this program whereas the youth are given a gift certificate alongside their ticket. Morinville Enforcement Services will continue to seek out the sponsorships where appropriate and partner with local businesses to maximize safety messaging.

Enforcement Services will issue 50 Positive Tickets per year to youth.

8. Traffic Advisory Committee

The Traffic Advisory Committee (TAC) is comprised of town department, representation from council and representation from the general public. The TAC is an avenue for safety concerns identified by any of the branches to discuss and address underlying concerns.



Enforcement Services will continue to be a part of the TAC committee.

NEW INITIATIVES FOR 2018-2021

Enforcement Services will seek new safety and awareness opportunities throughout the community during 2018-2021. These include but are not limited to:

1. *Point, Pause, Proceed*
2. Mock Collision
3. Option 4
4. Speed Data Analyzing
5. PARTY Program
6. School Zone Entrance Standardization

1. *Point, Pause, Proceed*

The Point, Pause, Proceed method is widely taught to people of all ages. When you are a pedestrian, it is your job to make sure drivers of vehicles see you. The *point, pause, proceed* method teaches the importance of signaling your intentions to cross the road, waiting until it is safe to cross and finally, safely crossing the crosswalk. Enforcement Services will also teach the importance of choosing appropriate options to being seen such as high visibility clothing and lights.

Enforcement Services will provide resources to local school to ensure all youth are being made aware of the Point, Pause, Proceed method.

Enforcement Services will ensure all Grade 3 students are taught the Point, Pause, Proceed method annually.

2. *Mock Collision*

Historically, Morinville Enforcement Services has participated in many of the Mock Collisions located at the local high school in Morinville. Morinville Enforcement Services would like to ensure continued participation and being more involved in the planning/execution of the Mock Collision.

Mock Collisions are important to show high school students the dangers of poor driving behaviors especially for Distracted Driving and Impaired Driving.

Enforcement Services will partner with the RCMP School Resource Officer to ensure the Mock Collision is being taught at minimum of once per year in the local high school.

3. *Option 4*

Option 4 is not a new idea for agencies throughout Alberta. However, Morinville will be taking a more active role in participating/executing option 4 programs for various safety initiatives. The option 4 initiative is the fourth option a person may exercise if they receive a violation ticket. The accused may elect to attend an



information session organized with the Town and after attending the information session, the ticket will be turned into a warning. This is not a standard option on all violation tickets, this would be used at specific times for specific offenses, as determined by Enforcement Services in consultation with all affected partners.

Enforcement Services will conduct, at minimum, of one Option 4 program per year.

4. Speed Data Analyzing

Road data collection using speed display signs were used widespread across the community during the warmer months of 2015, 2016 and 2017. The data gathered is proving to be very valuable and usable in making safety decisions. Further use of the signs and year over year comparisons are being explored. The data gathered will assist decision making and will allow for a comparison after change is implemented. In 2017, there were two more permanent speed signs installed in Morinville. These compliment the two speed signs installed by Automated Traffic Enforcement.

2018-2021 will see consideration to include an emphasize on the portable speed display signs to be used across the Town of Morinville in areas of concern.

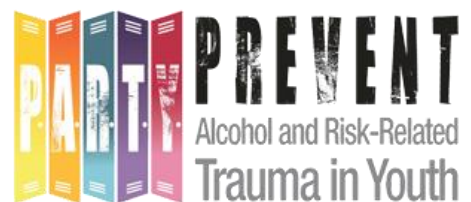
Attached in Appendix "A-D", it will show data collected in July 2017 when there are no speed signs present at the location, and again data collected in December 2017 when there is a speed sign present at the location.

Data collected will allow for high visibility by Community Peace Officers in problematic areas to target offenders.

Enforcement Services will continue to gather speed data and implement targeted enforcement at areas identified as a concern.

5. PARTY Program

The PARTY (Prevent Alcohol and Risk-Related Trauma in Youth) program is about prevention and awareness. It's about learning through vivid and emotional experiences from real people and their very real experiences. The PARTY program takes young people through the path of a trauma patient as they are rushed through the trauma doors, into surgery and if they are lucky enough, recovery. Participants will hear from law enforcement, paramedics, coroners and nurses to name a few to get a firsthand experience of decisions they make that could change their life forever.



Morinville Enforcement Services will implement this to Grade 9 students in Morinville. Enforcement Services will achieve this through partnerships with different agencies and town departments including the Family and Community Support Services.

6. School Zone Entrance Standardization

Morinville Enforcement Services will work alongside Morinville Public Works to standardize the entrances into



all of Morinville’s school zones to ensure they are consistency throughout the community. This will ensure consistent messaging to all road users.

Morinville Enforcement Services in conjunction with Public Works will establish a standardized entrance to all school zones by 2019.

OVERVIEW

This updated Traffic Safety Plan presents new and existing plans for Morinville, entrenching the belief that it is unacceptable for any road user to be injured or killed on our roadways.

Morinville’s Traffic Safety Plan will focus on various driving behaviors that contribute to collisions, while education pieces will focus on preventing collisions. Community Peace Officers will focus their enforcement efforts on all roadways within Morinville with extra focus on school zones and playground zones.

Morinville will continue to expand on existing safety awareness and projects throughout the community, as well as start new programs to benefit Morinville. Enforcement Services will achieve these goals by working alongside other municipal departments as well as outside agencies.



APPENDIX "A" - Cardiff Road EB at or Near 94 Street – July 2017 – No Speed Sign

Statistics for Zone [3301] Cardiff Road EB at or near 94 Street in Morinville Between 2017-07-14 12:00 am and 2017-07-20 11:59 pm								
Time	Sun	Mon	Tue	Wed	Thu	Fri	Sat	
12:00 AM to 12:30 AM	3	3	2	2	1	1	5	17
12:30 AM to 01:00 AM	2	0	2	2	1	1	3	11
01:00 AM to 01:30 AM	1	0	1	1	1	1	1	6
01:30 AM to 02:00 AM	0	2	2	1	0	0	0	5
02:00 AM to 02:30 AM	3	1	1	0	0	0	1	6
02:30 AM to 03:00 AM	5	1	1	0	1	0	1	9
03:00 AM to 03:30 AM	0	0	0	0	0	1	1	2
03:30 AM to 04:00 AM	0	0	0	1	0	0	0	1
04:00 AM to 04:30 AM	0	1	2	0	0	0	0	3
04:30 AM to 05:00 AM	1	0	2	0	1	0	1	5
05:00 AM to 05:30 AM	0	4	3	3	1	2	2	15
05:30 AM to 06:00 AM	4	3	4	5	5	5	2	28
06:00 AM to 06:30 AM	5	4	9	6	6	2	3	35
06:30 AM to 07:00 AM	6	12	7	8	13	7	2	55
07:00 AM to 07:30 AM	2	8	8	11	8	5	8	50
07:30 AM to 08:00 AM	3	9	13	5	10	5	4	49
08:00 AM to 08:30 AM	8	4	9	9	8	8	10	56
08:30 AM to 09:00 AM	8	7	7	12	3	7	7	51
09:00 AM to 09:30 AM	10	6	8	15	10	7	17	73
09:30 AM to 10:00 AM	7	11	6	7	13	9	5	58
10:00 AM to 10:30 AM	10	9	7	1	7	10	24	68
10:30 AM to 11:00 AM	11	11	9	2	7	15	16	71
11:00 AM to 11:30 AM	17	11	14	4	12	13	11	82
11:30 AM to 12:00 PM	9	7	8	7	17	21	12	81
12:00 PM to 12:30 PM	17	17	12	7	17	16	24	110
12:30 PM to 01:00 PM	20	16	13	16	13	14	21	113
01:00 PM to 01:30 PM	12	8	16	19	18	14	20	107
01:30 PM to 02:00 PM	27	18	9	12	11	13	16	105
02:00 PM to 02:30 PM	20	13	9	12	18	21	28	121
02:30 PM to 03:00 PM	16	17	24	14	9	15	18	113
03:00 PM to 03:30 PM	24	17	18	17	13	11	23	123
03:30 PM to 04:00 PM	19	15	22	15	20	15	14	120
04:00 PM to 04:30 PM	16	15	19	22	15	18	9	114
04:30 PM to 05:00 PM	19	23	17	20	16	20	13	128
05:00 PM to 05:30 PM	16	24	19	20	18	26	11	134
05:30 PM to 06:00 PM	19	22	24	12	20	16	20	133
06:00 PM to 06:30 PM	20	27	29	13	33	17	14	153
06:30 PM to 07:00 PM	20	21	19	16	12	12	24	124
07:00 PM to 07:30 PM	10	14	15	27	17	15	6	104
07:30 PM to 08:00 PM	15	19	15	17	6	10	10	92
08:00 PM to 08:30 PM	15	12	13	10	13	5	15	83
08:30 PM to 09:00 PM	13	13	14	6	18	12	11	87
09:00 PM to 09:30 PM	11	9	9	11	15	10	10	75
09:30 PM to 10:00 PM	6	9	7	6	9	12	6	55
10:00 PM to 10:30 PM	9	6	6	10	9	9	5	54
10:30 PM to 11:00 PM	0	4	4	4	4	3	4	23
11:00 PM to 11:30 PM	4	2	3	6	5	5	4	29
11:30 PM to 12:00 AM	0	3	1	2	1	4	4	15
Totals	463	458	462	416	455	433	465	3152

****152 Red Areas**



APPENDIX "B" - Cardiff Road EB at or Near 94 Street – December 2017 – Speed Signs Installed

Traffic Analysis Report										
Zone 3301 (Cardiff Road EB at or near 94 Street) in Morinville, AB										
November 30, 2017 00:00 to December 6, 2017 23:59										
Time	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Violations	Vehicles	%
	2017-12-03	2017-12-04	2017-12-05	2017-12-06	2017-12-07	2017-12-08	2017-12-09			
00:00 - 00:30	1	2	2	1	1	3	4	14	64	22%
00:30 - 01:00	2	2	0	0	3	2	0	9	43	21%
01:00 - 01:30	0	0	2	1	1	0	3	7	42	17%
01:30 - 02:00	2	1	0	1	1	0	2	7	29	24%
02:00 - 02:30	1	0	0	1	0	0	0	2	20	10%
02:30 - 03:00	1	0	0	0	0	0	3	4	22	18%
03:00 - 03:30	2	0	0	0	1	1	0	4	18	22%
03:30 - 04:00	0	0	0	1	0	0	1	2	9	22%
04:00 - 04:30	1	1	0	0	0	0	0	2	8	25%
04:30 - 05:00	0	2	1	0	0	1	0	4	23	17%
05:00 - 05:30	0	2	1	0	0	1	0	9	20	45%
05:30 - 06:00	1	3	3	1	1	0	0	9	20	45%
05:30 - 06:00	0	2	2	2	1	3	0	11	59	19%
06:00 - 06:30	0	3	2	2	1	3	0	11	59	19%
06:30 - 07:00	1	4	8	2	6	4	4	29	120	24%
06:30 - 07:00	1	4	8	2	6	4	4	29	120	24%
07:00 - 07:30	2	2	4	1	1	5	2	17	144	12%
07:30 - 08:00	0	3	3	5	4	1	1	17	170	10%
08:00 - 08:30	2	4	1	2	1	1	1	12	193	6%
08:00 - 08:30	2	4	1	2	1	1	1	12	193	6%
08:30 - 09:00	8	4	1	2	3	0	5	23	225	10%
08:30 - 09:00	8	4	1	2	3	0	5	23	225	10%
09:00 - 09:30	4	4	3	2	4	3	6	26	221	12%
09:00 - 09:30	4	4	3	2	4	3	6	26	221	12%
09:30 - 10:00	11	3	2	10	3	4	7	40	257	16%
09:30 - 10:00	11	3	2	10	3	4	7	40	257	16%
10:00 - 10:30	10	5	1	2	5	5	8	36	266	14%
10:00 - 10:30	10	5	1	2	5	5	8	36	266	14%
10:30 - 11:00	8	6	0	1	4	6	9	34	270	13%
10:30 - 11:00	8	6	0	1	4	6	9	34	270	13%
11:00 - 11:30	7	4	1	5	5	3	7	32	341	9%
11:00 - 11:30	7	4	1	5	5	3	7	32	341	9%
11:30 - 12:00	6	2	0	4	3	5	7	32	341	9%
11:30 - 12:00	6	2	0	4	3	5	7	32	341	9%
12:00 - 12:30	15	7	0	3	14	15	6	59	445	13%
12:00 - 12:30	15	7	0	3	14	15	6	59	445	13%
12:30 - 13:00	8	12	1	7	10	8	3	49	459	11%
12:30 - 13:00	8	12	1	7	10	8	3	49	459	11%
13:00 - 13:30	10	7	4	9	5	6	16	57	439	13%
13:00 - 13:30	10	7	4	9	5	6	16	57	439	13%
13:30 - 14:00	17	9	6	1	8	13	8	62	421	15%
13:30 - 14:00	17	9	6	1	8	13	8	62	421	15%
14:00 - 14:30	13	10	4	4	11	5	14	61	422	14%
14:00 - 14:30	13	10	4	4	11	5	14	61	422	14%
14:30 - 15:00	13	5	9	6	9	11	10	57	678	8%
14:30 - 15:00	13	5	9	6	9	11	10	57	678	8%
15:00 - 15:30	10	8	8	5	10	6	10	57	708	9%
15:00 - 15:30	10	8	8	5	10	6	10	57	708	9%
15:30 - 16:00	8	8	10	8	6	8	19	67	708	9%
15:30 - 16:00	8	8	10	8	6	8	19	67	708	9%
16:00 - 16:30	11	13	9	7	10	8	7	65	739	9%
16:00 - 16:30	11	13	9	7	10	8	7	65	739	9%
16:30 - 17:00	9	9	12	15	10	18	9	82	831	10%
16:30 - 17:00	9	9	12	15	10	18	9	82	831	10%
17:00 - 17:30	2	8	13	16	9	7	12	67	725	9%
17:00 - 17:30	2	8	13	16	9	7	12	67	725	9%
17:30 - 18:00	10	14	6	8	10	9	7	64	688	9%
17:30 - 18:00	10	14	6	8	10	9	7	64	688	9%
18:00 - 18:30	8	5	7	13	12	14	5	64	631	10%
18:00 - 18:30	8	5	7	13	12	14	5	64	631	10%
18:30 - 19:00	6	7	5	8	11	6	8	51	493	10%
18:30 - 19:00	6	7	5	8	11	6	8	51	493	10%
19:00 - 19:30	4	6	8	5	3	3	5	34	394	9%
19:00 - 19:30	4	6	8	5	3	3	5	34	394	9%
19:30 - 20:00	5	8	10	5	7	9	4	48	387	12%
19:30 - 20:00	5	8	10	5	7	9	4	48	387	12%
20:00 - 20:30	8	4	6	6	4	8	3	39	325	12%
20:00 - 20:30	8	4	6	6	4	8	3	39	325	12%
20:30 - 21:00	7	6	4	8	6	2	5	38	301	13%
20:30 - 21:00	7	6	4	8	6	2	5	38	301	13%
21:00 - 21:30	4	5	3	6	5	4	3	30	285	11%
21:00 - 21:30	4	5	3	6	5	4	3	30	285	11%
21:30 - 22:00	3	3	8	4	3	4	1	26	237	11%
21:30 - 22:00	3	3	8	4	3	4	1	26	237	11%
22:00 - 22:30	1	4	1	6	10	2	4	28	174	16%
22:00 - 22:30	1	4	1	6	10	2	4	28	174	16%
22:30 - 23:00	1	3	1	4	1	2	2	14	125	11%
22:30 - 23:00	1	3	1	4	1	2	2	14	125	11%
23:00 - 23:30	3	3	0	1	4	3	1	15	114	13%
23:00 - 23:30	3	3	0	1	4	3	1	15	114	13%
23:30 - 24:00	1	0	3	2	2	4	2	14	76	18%
23:30 - 24:00	1	0	3	2	2	4	2	14	76	18%
Violations	247	221	174	203	228	225	239	1537		
Vehicles	1642	1936	1903	1933	2092	2251	1877		13634	
%	15%	11%	9%	11%	11%	10%	13%			11%

Source: Global Traffic Counters

****43 Red Areas**



APPENDIX "C" - Cardiff Road WB at or Near 94 Street – July 2017 – No Speed Sign

Statistics for Zone [3302] Cardiff Road WB at or near 94 Street in Morinville Between 2017-07-14 12:00 am and 2017-07-20 11:59 pm								
Time	Sun	Mon	Tue	Wed	Thu	Fri	Sat	
12:00 AM to 12:30 AM	3	0	2	1	2	0	2	10
12:30 AM to 01:00 AM	1	0	0	1	1	0	0	3
01:00 AM to 01:30 AM	0	0	0	0	0	0	1	1
01:30 AM to 02:00 AM	0	0	0	0	0	0	0	0
02:00 AM to 02:30 AM	0	1	0	0	0	0	1	2
02:30 AM to 03:00 AM	0	1	1	0	1	0	0	3
03:00 AM to 03:30 AM	0	0	0	0	0	1	0	1
03:30 AM to 04:00 AM	1	1	0	0	1	0	1	4
04:00 AM to 04:30 AM	0	0	2	1	1	1	0	5
04:30 AM to 05:00 AM	0	0	1	0	1	2	1	5
05:00 AM to 05:30 AM	0	6	6	8	7	6	2	35
05:30 AM to 06:00 AM	1	9	13	13	17	10	3	66
06:00 AM to 06:30 AM	3	22	25	16	14	14	8	102
06:30 AM to 07:00 AM	6	19	18	23	17	17	8	108
07:00 AM to 07:30 AM	4	14	16	22	16	13	4	89
07:30 AM to 08:00 AM	6	7	16	17	13	18	5	82
08:00 AM to 08:30 AM	5	5	11	12	11	18	20	82
08:30 AM to 09:00 AM	9	8	9	11	9	13	10	69
09:00 AM to 09:30 AM	7	7	9	10	13	13	9	68
09:30 AM to 10:00 AM	8	7	9	15	11	13	13	76
10:00 AM to 10:30 AM	12	6	14	2	9	7	12	62
10:30 AM to 11:00 AM	10	2	7	1	4	6	11	41
11:00 AM to 11:30 AM	8	9	8	0	8	15	11	59
11:30 AM to 12:00 PM	10	7	10	3	11	9	13	63
12:00 PM to 12:30 PM	13	9	7	8	17	10	18	82
12:30 PM to 01:00 PM	13	6	8	5	10	5	12	59
01:00 PM to 01:30 PM	20	11	4	7	11	6	10	69
01:30 PM to 02:00 PM	5	9	7	10	13	12	18	74
02:00 PM to 02:30 PM	12	7	7	12	12	16	9	75
02:30 PM to 03:00 PM	8	4	3	6	12	5	7	45
03:00 PM to 03:30 PM	10	10	7	10	6	6	11	60
03:30 PM to 04:00 PM	15	12	11	11	13	14	11	87
04:00 PM to 04:30 PM	15	10	10	8	13	14	14	84
04:30 PM to 05:00 PM	11	14	9	22	21	16	10	103
05:00 PM to 05:30 PM	6	12	16	8	10	15	13	80
05:30 PM to 06:00 PM	5	10	11	7	19	18	11	81
06:00 PM to 06:30 PM	8	11	14	5	15	7	7	67
06:30 PM to 07:00 PM	11	10	14	11	12	13	15	86
07:00 PM to 07:30 PM	9	8	11	9	14	14	11	76
07:30 PM to 08:00 PM	9	11	12	5	9	8	12	66
08:00 PM to 08:30 PM	11	7	4	4	6	16	9	57
08:30 PM to 09:00 PM	13	5	17	5	16	8	10	74
09:00 PM to 09:30 PM	5	8	7	20	3	9	6	58
09:30 PM to 10:00 PM	1	12	10	3	7	4	5	42
10:00 PM to 10:30 PM	3	1	7	2	2	6	3	24
10:30 PM to 11:00 PM	2	2	2	2	5	3	1	17
11:00 PM to 11:30 PM	0	0	3	2	1	1	3	10
11:30 PM to 12:00 AM	0	0	1	0	1	6	3	11
Totals	299	320	379	338	415	408	364	2523

****127 Red Areas**



APPENDIX "D" - Cardiff Road WB at or Near 94 Street – December 2017 – Speed Sign installed in opposite direction.

Traffic Analysis Report										
Zone 3302 (Cardiff Road WB at or near 94 Street) in Morinville, AB										
November 30, 2017 00:00 to December 6, 2017 23:59										
Time	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Violations	Vehicles	%
	2017-12-03	2017-12-04	2017-12-05	2017-12-06	2017-11-30	2017-12-01	2017-12-02			
00:00 - 00:30	0	0	0	0	0	1	1	2	17	12%
00:30 - 01:00	4	1	0	0	0	0	2	7	20	35%
01:00 - 01:30	0	0	0	0	0	0	0	0	12	
01:30 - 02:00	2	0	0	0	0	0	1	3	15	20%
02:00 - 02:30	1	1	0	0	0	1	1	4	8	50%
02:30 - 03:00	0	0	1	1	0	0	0	2	10	20%
03:00 - 03:30	0	0	1	1	0	0	0	5	15	33%
03:30 - 04:00	0	1	0	1	0	0	0	2	15	13%
04:00 - 04:30	0	4	3	2	3	2	0	14	24	58%
04:30 - 05:00	1	4	3	3	2	2	0	15	38	39%
05:00 - 05:30	0	7	7	10	8	5	0	37	114	32%
05:30 - 06:00	0	6	2	2	3	5	2	20	133	15%
06:00 - 06:30	1	15	11	14	13	15	5	74	341	22%
06:30 - 07:00	1	14	14	19	13	14	1	76	406	19%
07:00 - 07:30	1	11	8	21	8	11	8	58	481	12%
07:30 - 08:00	2	7	5	14	11	9	9	57	647	9%
08:00 - 08:30	11	16	7	14	10	11	10	79	515	15%
08:30 - 09:00	10	11	13	8	10	16	11	81	417	19%
09:00 - 09:30	9	10	5	9	12	13	10	68	382	18%
09:30 - 10:00	6	7	12	8	5	17	20	65	392	17%
10:00 - 10:30	10	13	4	11	3	11	21	75	393	19%
10:30 - 11:00	17	13	1	8	5	10	14	68	420	16%
11:00 - 11:30	19	4	1	6	6	11	10	51	397	13%
11:30 - 12:00	10	7	1	8	7	6	17	56	433	13%
12:00 - 12:30	12	7	3	7	10	5	15	57	391	15%
12:30 - 13:00	12	7	3	7	10	5	15	57	391	15%
12:30 - 13:00	10	6	4	2	13	5	8	45	410	11%
13:00 - 13:30	10	6	4	2	13	7	13	70	381	18%
13:00 - 13:30	15	14	5	4	12	7	13	64	340	19%
13:30 - 14:00	13	7	13	6	8	10	9	87	403	22%
14:00 - 14:30	21	10	4	9	11	10	22	90	431	21%
14:30 - 15:00	16	7	14	7	15	8	23	90	431	21%
14:30 - 15:00	16	7	14	7	15	8	23	83	382	22%
15:00 - 15:30	25	22	12	8	10	14	12	76	371	20%
15:30 - 16:00	10	9	7	7	10	16	11	99	444	22%
16:00 - 16:30	21	11	8	18	12	14	15	90	443	20%
16:30 - 17:00	13	15	6	6	25	14	11	90	443	20%
16:30 - 17:00	13	15	6	6	25	14	11	64	419	15%
17:00 - 17:30	8	9	6	13	20	7	11	52	418	12%
17:30 - 18:00	5	9	3	9	8	9	9	48	386	12%
18:00 - 18:30	6	6	9	6	5	9	7	55	315	17%
18:30 - 19:00	10	8	7	11	6	7	6	37	267	14%
19:00 - 19:30	1	3	4	9	5	10	5	37	267	14%
19:00 - 19:30	1	3	4	9	5	10	5	33	205	16%
19:30 - 20:00	4	2	11	2	1	9	4	33	205	16%
19:30 - 20:00	4	2	11	2	1	9	4	23	174	13%
20:00 - 20:30	3	3	5	0	3	4	5	23	157	15%
20:00 - 20:30	3	3	5	0	3	4	5	24	157	15%
20:30 - 21:00	4	4	3	5	3	3	2	24	132	18%
20:30 - 21:00	4	4	3	5	3	3	2	24	132	18%
21:00 - 21:30	2	3	3	4	3	3	1	11	72	15%
21:00 - 21:30	2	3	3	4	3	3	1	11	72	15%
21:30 - 22:00	1	0	3	3	0	1	2	7	67	10%
21:30 - 22:00	1	0	3	3	0	1	2	7	67	10%
22:00 - 22:30	1	1	0	2	0	0	0	6	41	15%
22:00 - 22:30	1	1	0	2	0	0	0	6	41	15%
22:30 - 23:00	0	0	3	2	1	0	0	4	43	9%
22:30 - 23:00	0	0	3	2	1	0	0	4	43	9%
23:00 - 23:30	0	0	1	0	2	0	1	4	32	13%
23:00 - 23:30	0	0	1	0	2	0	1	4	32	13%
23:30 - 24:00	0	0	0	0	2	0	2	4	32	13%
23:30 - 24:00	0	0	0	0	2	0	2	4	32	13%
Violations	290	300	228	290	1915	2050	1700	2072	12369	17%
Vehicles	1440	1776	1738	1750	16%	16%	20%			
%	20%	17%	13%	17%	16%	16%	20%			

Source: Global Traffic Counters

****97 Red Areas**

