

# 2020 Region of Peel **Vision Zero** Road Safety Strategic Plan Year 3 Update

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**Sean Carrick**, C.E.T.  
Manager, Traffic Engineering  
Region of Peel

**Dr. Nicholas Brandon**, MD, MA, MSc, CCFP, FRCPC  
Associate Medical Officer of Health  
Region of Peel

# What is Vision Zero

- Road Safety framework that holds that:
  - “No loss of life as a result of a motor vehicle collision is acceptable.”
- Safety is the priority.
- Life, health, and safety cannot be exchanged for other societal benefits such as convenience.
- Transportation systems are designed to be forgiving.



# Peel Region's **Vision and Goal**

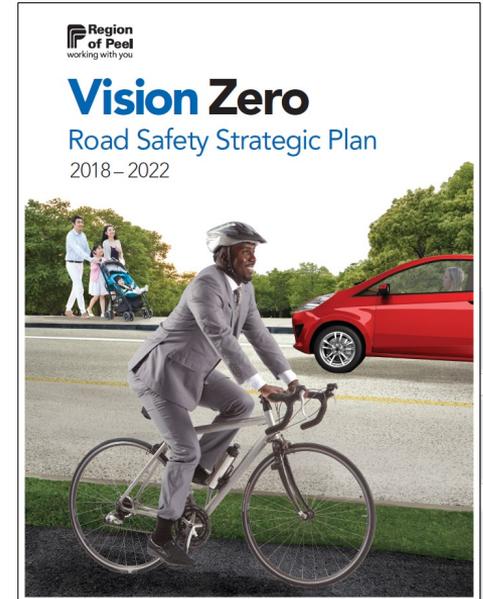
- **Vision:** Zero fatal and injury collisions for all road users.
- **Goal:** 10% reduction in fatal and injury collisions by 2022.

# Peel Region's Health Perspective

- Injuries due to motor vehicle collisions (MVCs) are among the top five causes of injury related morbidity and mortality among Peel residents.
- In Peel, rates of hospitalizations and death from motor vehicle collisions are lower than that of Ontario and rates of hospitalizations and death have decreased over the past decade.
- MVCs is the third leading cause of premature death from injury in Peel.

# Road Safety Strategic Plan

- A structured implementation plan to improve road safety in Peel through evidence-based initiatives, public and stakeholder collaboration, and incorporating Regional Council priorities.



# Project Stakeholders



Region of Peel



Peel Regional Police



Ontario Provincial Police



Town of Caledon



City of Brampton



City of Mississauga



Peel Regional Paramedic Services



Canadian Automobile Association



Mothers Against Drunk Driving



Bike Brampton



Brampton Cycling Awareness Committee



Mississauga Cycling Advisory Committee



Mississauga Road Safety Committee



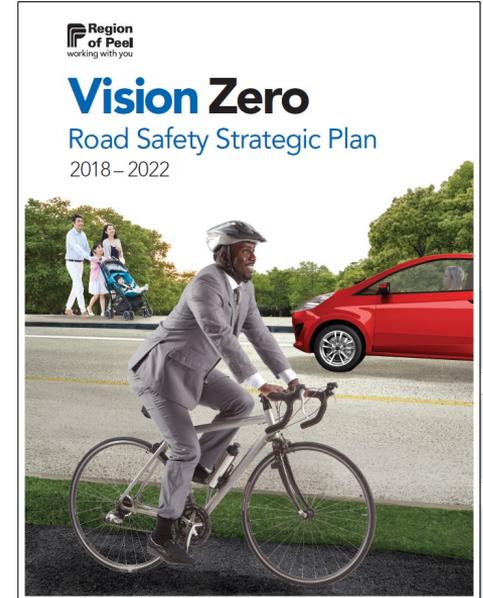
Teens Learn to Drive



Ministry of Transportation of Ontario

# Six Emphasis Areas

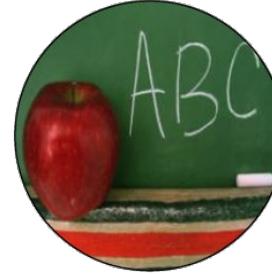
- Intersection Collisions
- Distracted Driving
- Impaired Driving
- Cyclist
- Pedestrian
- Aggressive Driving



# “4-Es” of Road Safety



Engineering



Education



Enforcement



Empathy

# Examples of Countermeasures in Peel



Radar Feedback Sign



Cyclist Crossride



Bollards for Traffic Calming



Red Light Camera

# Safety Trends

Total Collisions, Region of Peel Road Network (2017-2020), per 100,000 population

Collisions per 100,000 population	2017 Baseline	2018	2019	2020	Per Cent (%) Change 2020 compared to 2017
Total Collisions on Regional Roads, fatal, injury and property damage	396	439	417	267	33% ↓
Number of Fatal Collisions	0.7	0.8	0.5	0.9	29% ↑
Number of Injury Collisions	60	57	51	32	47% ↓
Number of Property Damage Collisions	335	381	366	234	30% ↓

# Peel Region's Hospitalization Trending

- For the more severe MVC-related injuries (i.e., those resulting in hospitalization or death), rates are:
  - Higher among males than females
  - Higher in older adults (aged 70 years and older for hospitalizations; 80 years for deaths).

# Safety Trends

## Fatal & Injury Collisions, Region of Peel Road Network (2017-2020)

Emphasis Areas	Fatal and Injury Collisions (per 100,000 population)				Per cent (%) Change 2020 compared to 2017
	2017	2018	2019	2020	
Intersection Driving	45	45	40	26	42% ↓
Aggressive Driving	26	26	25	17	35% ↓
Distracted Driving	23	19	20	12	48% ↓
Pedestrian Collisions	7	6	6	4	43% ↓
Cyclist Collisions	0.8	0.5	0.4	0.7	13% ↓
Impaired Driving	2.2	2.6	3.2	2.2	0% (No Change)

# Program Updates

1. Automated Speed Enforcement
2. School Bus Stop Arm Camera
3. Micro Mobility
4. Red Light Camera

# Automated Speed Enforcement

- A system that uses a camera and a speed measurement device to capture images of vehicles exceeding the speed limit.
- Pilot program implemented in Fall 2020.



# Automated Speed Enforcement

- Pilot Program results and recommendations on future of program to be brought to Regional Council in 2022.
- **Locations Operated by the Region of Peel**
  - Old Church Road east of Innis Lake Road – September 2020
  - Charleston Sideroad east of Kennedy Road – April 2021
  - King Street east of Kennedy Road – October 2021

# School Bus Stop Arm Camera

- Staff are in negotiations with a vendor to establish a Region of Peel program.
- Program will utilize cameras installed on school buses to automatically detect vehicles that pass the bus illegally when the stop arm is actuated.



# Micro-Mobility Program

- Region looking to amend their traffic by-law in support of the MTO Pilot for e-scooters.
- Currently working with and supporting local municipalities with this program.
- Staff will forward a full detailed report to Council in 2022.

# Red Light Camera

- Cameras installed at intersections to capture images of vehicles that run red lights.
- 34 Active Locations in Peel
  - Kennedy Road and Mayfield Road installed in November 2020



# Red Light Camera

- Fatal and injury collisions at locations where Red Light Cameras are installed decreased by an average of 47%.
- Collisions from 2020 at each location were compared to the reported collisions in the year before a camera was installed.



# Next Steps

- Continued collaboration with local municipalities and other Vision Zero partners and stakeholders, particularly Peel Public Health.
- Second iteration of the Road Safety Strategic Plan (2023 – 2027) in the early stages of development.

# Thank You

## 2020 Region of Peel Vision Zero Road Safety Strategic Plan Year 3 Update

Contact info:

**Sean Carrick, C.E.T.**

Manager, Traffic Engineering

Region of Peel

[Sean.Carrick@peelregion.ca](mailto:Sean.Carrick@peelregion.ca)

