

# Reconstruction of Regional Road 20

- Phases 2 & 3

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# Vision Zero Road Safety Initiative Overview

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# Reconstruction of Regional Road 20 – Phases 2 & 3

(West Street & St. Catharines)  
Between South Grimsby Road 6  
& Townline Road  
In the Township of West Lincoln

Project Update – September 21, 2020



# About the Project ...

The Niagara Region is working in partnership with Township of West Lincoln on the current project for the construction of the following elements:

- Construction of the Smithville Square Parkette and Parking Lot (Stage 1)
- Reconstruct the intersection of Regional Road 20 (West Street) and Regional Road 14 (Station Street) into a signalized intersection. (Stage 1)
- Construction of the Station Street Parkette, upgraded sidewalks and decorative illumination, milling and paving of the road surface of Regional Road 20 (West Street) between Station Street and the newly constructed Multi-Use Arena. (Stage 1)
- Reconstruct the intersection of Regional Road 20 (St. Catharines Street) and Townline Road into a single-lane roundabout, including storm drainage, sidewalks, bike lanes and illumination. (Stage 2)
- Reconstruct the intersection of Regional Road 20 (West Street) and South Grimsby Road 6 into a single lane roundabout, including storm drainage, sidewalks, bike lanes and illumination. (Stage 3)

# Construction of the Smithville Square Parkette and Parking Lot (Stage 1)

- This involves the conversion of an existing parking lot into a public green space which was still able to accommodate ample parking.





# Reconstruct the intersection of Regional Road 20 (West Street) and Regional Road 14 (Station Street) into a signalized intersection. (Stage 1)

- This involves the conversion of the 2-way stop into a signalized intersection, including new sidewalks and upgraded decorative signal poles



Construction of the Station Street Parkette, upgraded sidewalks and decorative illumination, milling and paving of the road surface of Regional Road 20 (West Street) between Station Street and the newly constructed Multi-Use Arena. (Stage 1)

Drone Video Footage Dated: September 4, 2020





Reconstruct the intersection of Regional Road 20 (St. Catharines Street) and Townline Road into a single-lane roundabout, including storm drainage, sidewalks, bike lanes and illumination. (Stage 2)



# Roundabout at Regional Road 20 and Townline Road

Drone Video Footage Dated: September 4, 2020





Reconstruct the intersection of Regional Road 20 (West Street) and South Grimsby Road 6 into a single lane roundabout, including storm drainage, sidewalks, bike lanes and illumination. (Stage 3)



# Roundabout at Regional Road 20 and South Grimsby Road 6

Drone Video Footage Dated: September 4, 2020



# How large vehicles should use the truck aprons in a roundabout.

Video courtesy of the City of Red Deer, Alberta





# Schedule of Remaining Works

- Project completion is anticipated by the first week of October, approximately 3 weeks ahead of the completion date.
- Current budget projection for the project is anticipated under the construction budget.

For additional information on this project please see the Project website, including scheduling, notices and contact information.

<https://niagararegion.ca/projects/regional-road-20/default.aspx>

# Vision Zero Road Safety Initiative Overview



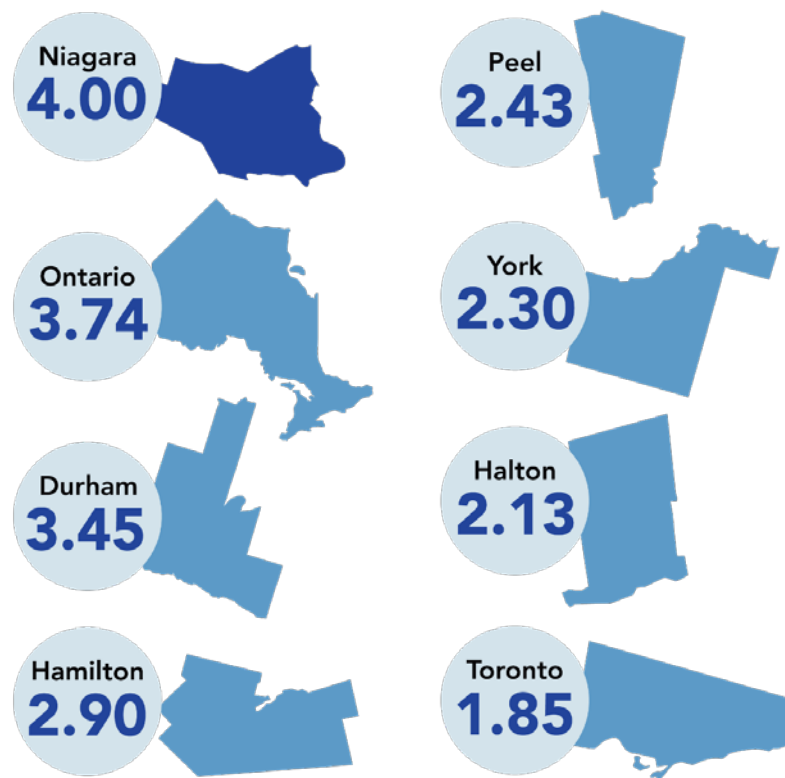
# Vision Zero Road Safety Initiative Overview

## Niagara Region Among Others

Niagara Region's fatality collision Rate is larger than that of Ontario

Based on 2010-2014 Average Fatal Collisions per 100,000 Population

Motor Vehicle Fatalities per 100,000 population



# Vision Zero Road Safety Initiative Overview

## VISION ZERO Overview

- Approved by parliament in Sweden in 1997 with one goal: ***Eliminate death and serious injury due to traffic collisions***
- No loss of life is acceptable

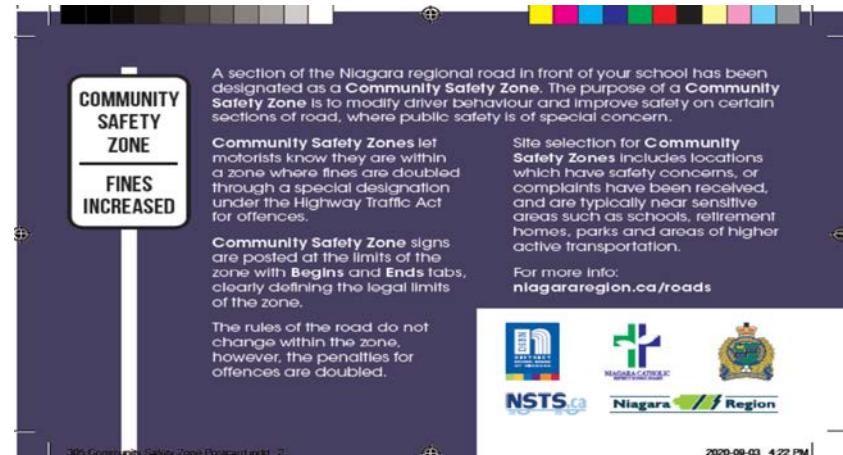


# Vision Zero Road Safety Initiative Overview

## 1. Community Safety Zones (CSZs)



- To modify driver behaviour and improve safety on certain sections of road, particularly vulnerable road users like children and seniors



- Implemented at twelve locations in Niagara Region since September 2019, under Bill 26 - An Act to promote public safety



# Vision Zero Road Safety Initiative Overview

## 2. Automated Speed Enforcement (ASE)

- Speeding is a primary crash factor and a leading road safety problem, often contributing to one-third of fatal crashes and serving as an aggravating factor in most crashes.
- Bill 65 amendments to the HTA will permit Municipalities to utilize ASE in school zones and in community safety zones (O Reg. 398/19 approved Dec/19)
- The Region is participating in the ASE Working Groups (established in 2017) to allow all municipalities, together with the province; facilitated by the Ontario Traffic Council and supported by technical experts to use a technology based solution as a tool to address vehicle speed concerns and collision patterns involving speeding



**Automated**  
Speed Enforcement

# Vision Zero Road Safety Initiative Overview

## 3. Red Light Cameras (RLCs)

- Introduced in the Province in 2000, since then the cameras are proven to reduce right angle collisions by 25%
- The cameras are proven to be an effective means to reduce the incidences of red light infractions making streets safer for all users



# Vision Zero Road Safety Initiative Overview

## Reinvestment Opportunities and Plan

- per Provincial Guidelines

Municipal revenue, collected under an Municipal ASE program, that exceeds the costs of delivering the Municipal ASE program is used to support local public safety and educational initiatives

- Reinvestment Areas include:

- Public safety
- Infrastructure upgrades:
  - Intersection Improvements, Geometrics/Roads, Street Lighting
  - Signage and Pavement Markings, Pedestrian Crossovers (PXOs)
- Communication/Education platforms
- Strategically increasing program

- Safety of all modes of travel in alignment with goal of a Multi-model shift
- Next Steps with LAMS

# Questions?