



Region of Waterloo

Region of Waterloo Road User Safety Program

Planning & Works Committee Meeting

April 4, 2023

Key Goal of the Road User Safety Program

- To reduce all collisions involving serious injuries and fatalities, with particular emphasis on reducing serious collisions involving vulnerable road users, including pedestrians and cyclists.

Region's 2019-2023 Strategic Plan:

Strategic objectives	Actions
2.4 Improve road safety for all users - drivers, cyclists, pedestrians, horse and buggies.	2.4.1 Continue to implement the Region's road safety program to reduce the number of severe and fatal injury collisions, using elements of engineering, education and enforcement, with a greater emphasis on reducing collisions involving active transportation users.
	2.4.2 Advocate with other levels of government to change legislation and regulations to improve road safety for all users.

Five E's of the Road User Safety Program

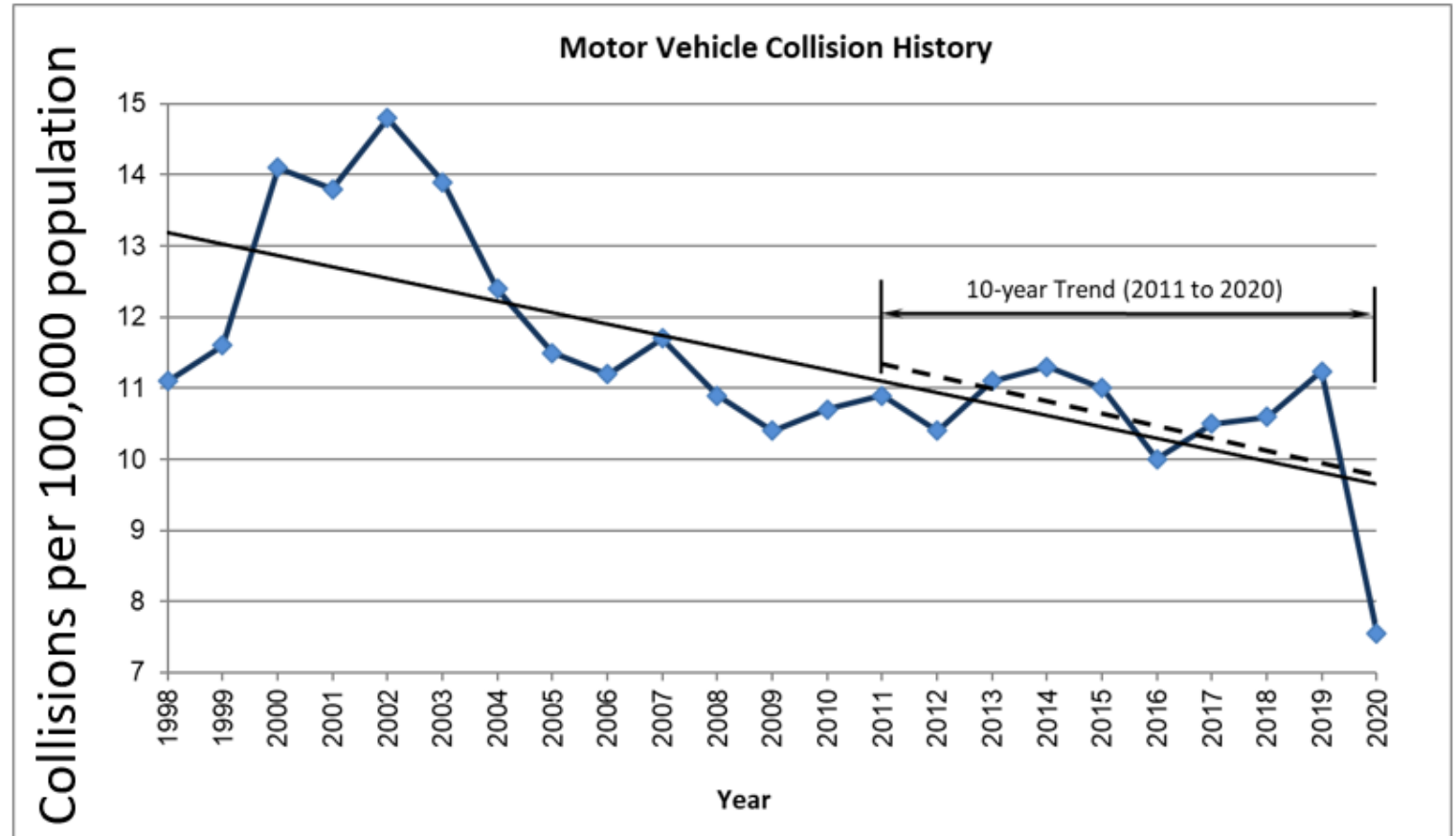
- The Region's Road User Safety Program (RUSP) requires the balanced use of 5 groups of elements:
 1. Evaluation;
 2. Engagement;
 3. Engineering;
 4. Education; and
 5. Enforcement.



Aiming to address both objective and subjective safety issues.

1. Evaluation

- Annual network screening to identify collision hot spots within the Regional network.
- Annual pulse check on overall collision rates across the Region.



2. Engagement

- Regular engagement with many partners, including:
 - Region of Waterloo Public Health
 - Waterloo Regional Police Services
 - Local area municipalities (through Transportation Coordinating Committee)
 - Other municipalities in Ontario
- Regular engagement with members of the community:
 - Project-specific outreach
 - Inquiries through Service First Call Centre

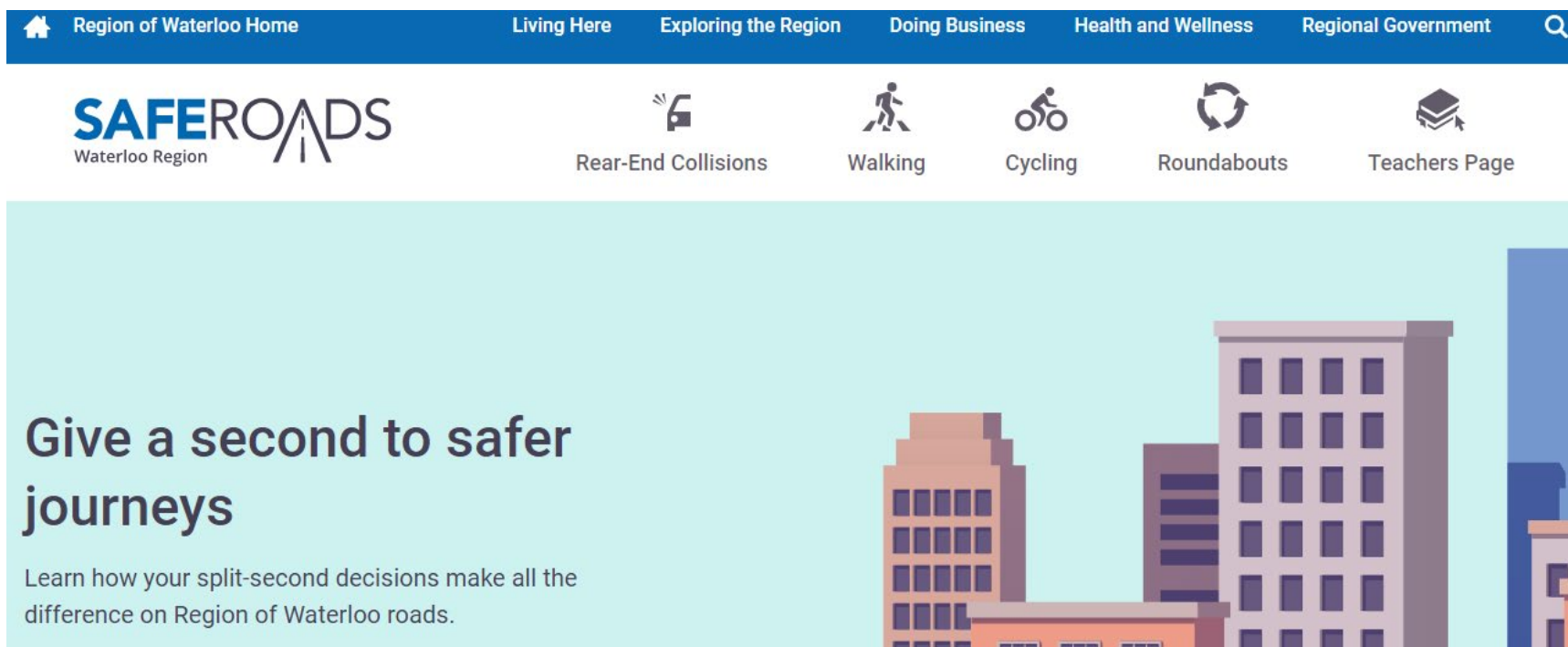
3. Engineering

- Physical solutions to address systemic collision problems or location-specific collision problems.
- Systemic safety improvements:
 - Pedestrian refuge islands; and
 - Durable crosswalk and stopbar pavement markings.
- Site-specific safety improvements:
 - Flashing beacons at or approaching critical intersections; and
 - Offset crosswalks at intersections.



4. Education

- Safety-themed education through traditional and social media.
- New safety campaign for 2023 (building on SafeRoads site).



5. Enforcement

- Collaboration with WRPS on Selective Traffic Enforcement Program (STEP).
- Administration of camera-based enforcement programs:
 - Automated Speed Enforcement (ASE); and
 - Red-Light Cameras (RLC)



Automated Speed Enforcement

- 16 sites currently in use.
- Council approval for 8 new sites in 2023.
- Staff report re: 8 additional new sites for 2023 coming to P&W on May 9.
- Staff report re: further accelerated expansion coming to P&W in summer 2023.
- Staff currently reviewing opportunity for use of Community Safety Zones.



Ongoing Pilot Projects

- **Time/Day/Month Speed Restrictions** in School Zones along Regional Roads.
- Centre- and Curb-mounted **Flexible Speed Limit Signs** in rural hamlet areas.
- **Right-Turn-on-Red (RTOR) Restrictions** at critical locations.
- **Cyclist Warning Signs** at select critical locations.
- **Rural All-Way Stop Control** for collision reduction in rural areas.

New Safety Initiatives

- Improvements for pedestrian safety and comfort at roundabouts:
 - Raised crosswalks
 - Flashing beacons with Accessible Pedestrian Signals
 - Improved illumination



New Safety Initiatives

- Dutch-Style Roundabout Design Readiness



New Safety Initiatives

- Protected intersection designs



Design Features

- | | |
|-----------------------|----------------------------|
| (A) Crossride setback | (C) Corner safety island |
| (B) Forward stop bar | (D) Accessibility features |

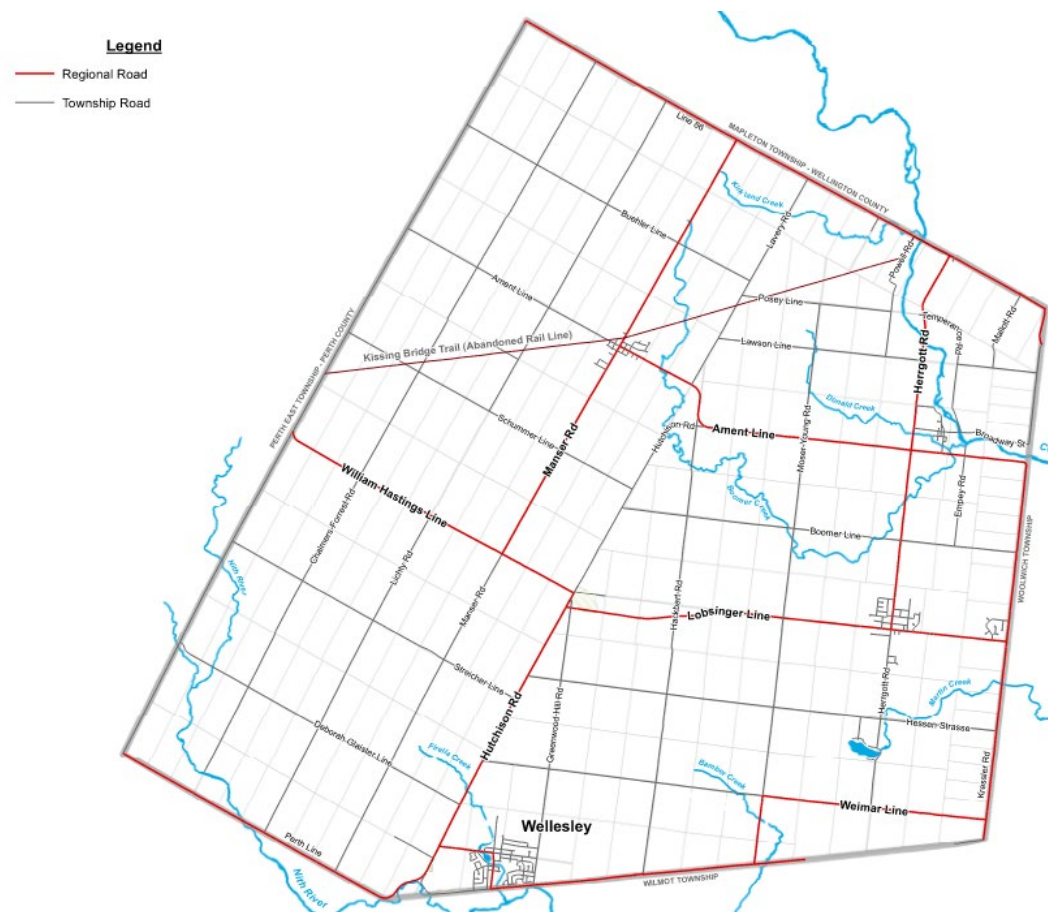
New Safety Initiatives

- Review of traffic control warrants for pedestrian crossings



New Safety Initiatives

- Rural traffic speed compliance program
 - As directed by Council at February 7, 2023 P&W Committee meeting
 - Collaboration with Township staff
 - Program kick-off meeting scheduled for May 2, 2023.



New Safety Initiatives

- Increased use of Right-Turn-on-Red Restrictions

