

# Road Safety Strategic Plan

Public Works Committee

April 8, 2025

Frank Tassone, Director, Transportation Services

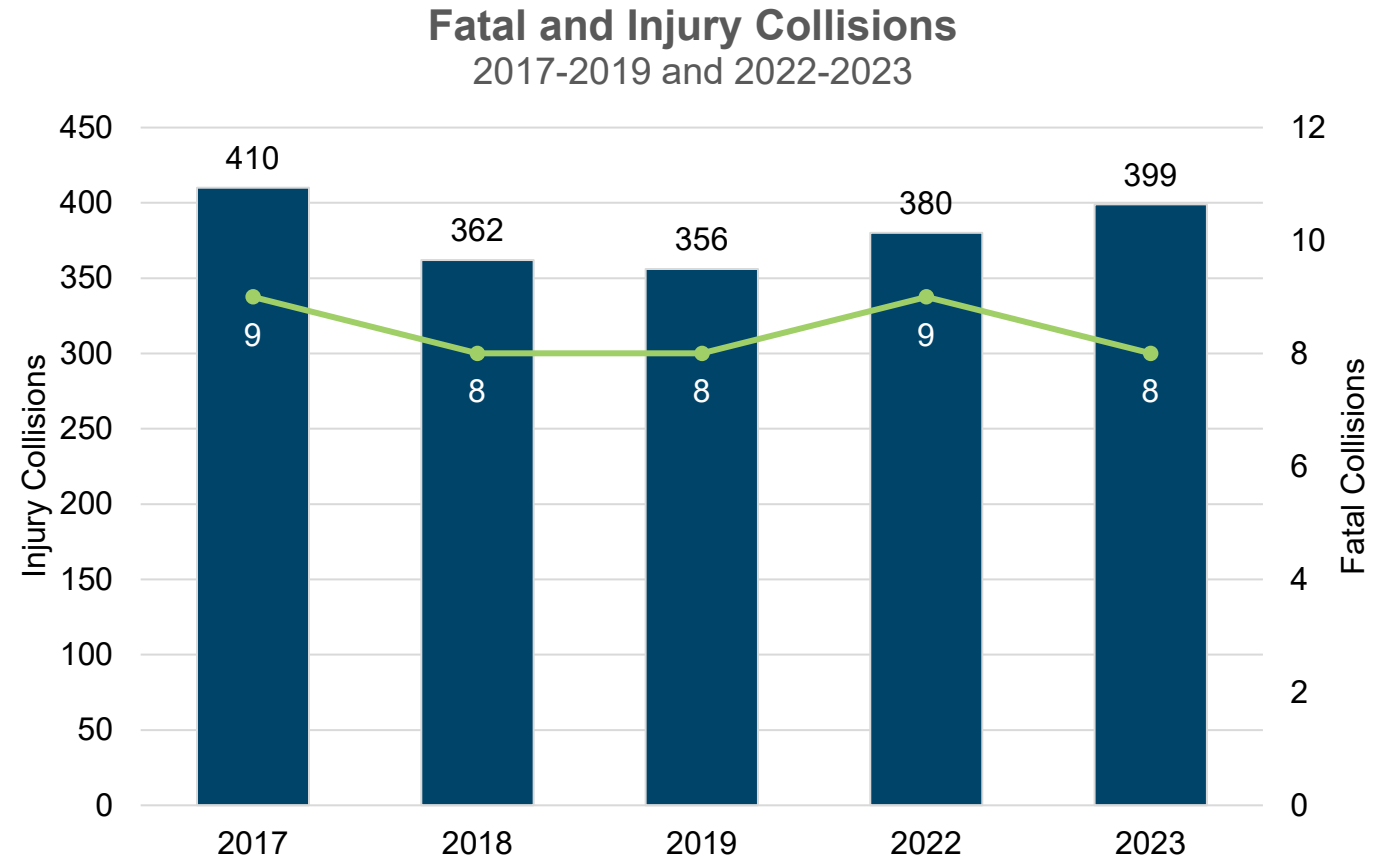
Scott Fraser, Associate Director, Transportation Planning

# Outline

- Road Safety in Niagara Today
- Developing a Road Safety Strategy
- Emphasis Areas & Countermeasures
- Action Plan
- Monitoring and Improving

# Road Safety in Niagara Today

- Data indicates a recent increase in the number of injury collisions on Regional Roads.
- There is an average of 8-9 fatal collisions per year.
- A targeted road safety strategy is required to address this challenge.



# Heat Map



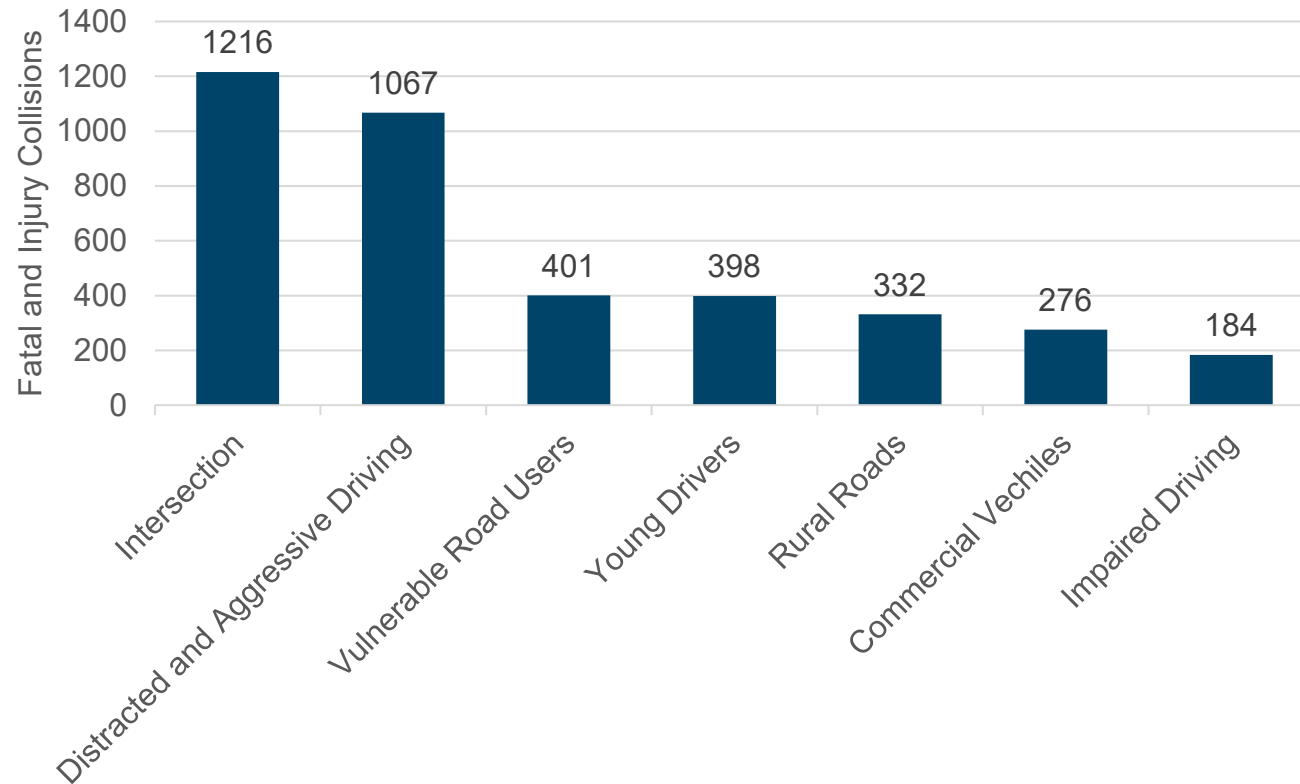
# Developing a Road Safety Strategy

- The **Road Safety Strategic Plan** will be our roadmap to improve the safety of the Regional Road network
- Aligned with the worldwide Vision Zero initiative
- Follow a data-driven approach to address collision trends
- Establish a clear framework for investment of road safety resources



# Emphasis Areas and Countermeasures

Fatal and Injury Collisions – Factors  
2017-2019 and 2022-2023



More than half of all serious collisions in Niagara either occur at an **intersection** or are related to **aggressive and distracted driving**.

# Emphasis Areas and Countermeasures



## Engineering

Changes to the physical geometry of the roadway



## Enforcement

Improve compliance and encourage desirable behaviours



## Education

Enhance road user knowledge and awareness



# Action Plan

- A three-pronged data driven **Action Plan** identifies high-collision locations and will recommend countermeasures to reduce collisions.
- Available resources are targeted where they will have the most impact

1

**Incorporate Road Safety in Capital Projects**

2

**Directly Target High-Collision Areas**

3

**Network-wide Countermeasure Programs**



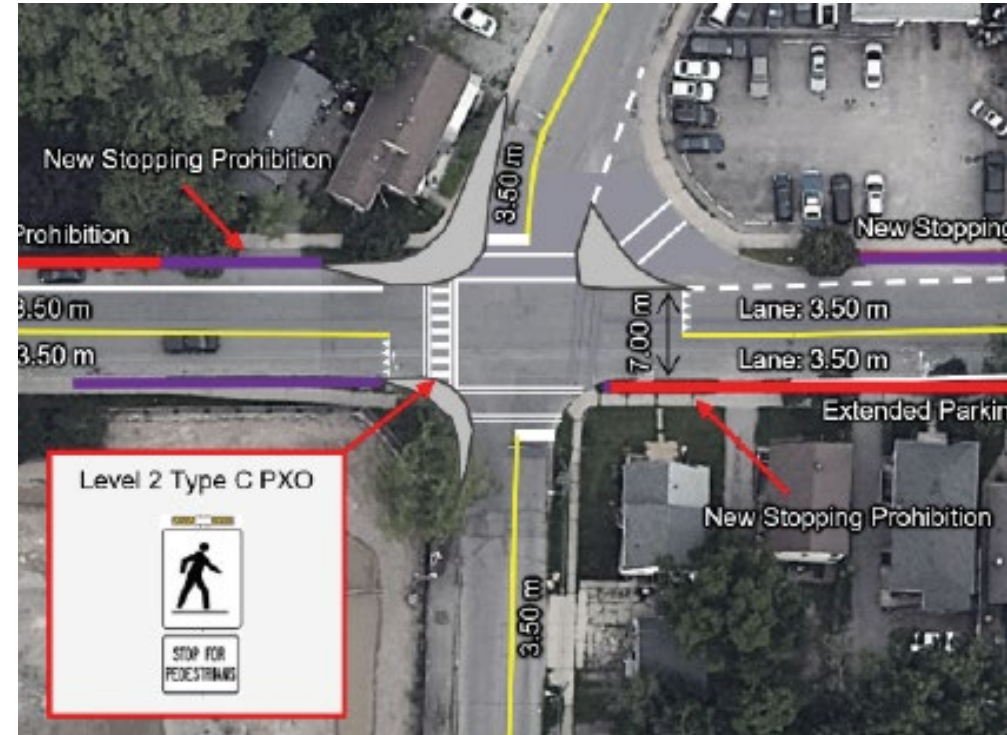
# 1 Incorporate Road Safety in Capital Projects

- Planned road reconstruction projects are prioritized as they provide the best opportunity for meaningful safety improvements.
- Many projects are in Niagara's highest-collision areas.
- **Road Safety Audits** will formalize existing practices of incorporating safety into major road reconstruction projects.



## 2 Directly Target High-Collision Areas

- Use **Network Screening** to identify locations with the highest potential for safety improvement that are not already addressed by a capital project.
- Complete five (5) annual **In-Service Road Safety Reviews** targeting these locations.
- Recommendations from the previous year's safety reviews will be implemented annually.





# 3 Network-wide Countermeasure Programs

- Implement network-wide countermeasures across the region.
  - Speed Display Boards
  - Traffic Calming Bollards
  - Education Campaigns
- Each initiative will be tied to quantitative criteria to determine locations.
- Funding is allocated to each emphasis area based on its proportional share of collisions.



# Investment

- Total estimated cost of \$5.61M across two years (2025-2026) to fund the action plan.
- In 2025:
  - \$1.75M in previously approved capital funding to support safety review implementation and traffic calming equipment.
  - \$1.50M in a pending transfer from the Vision Zero Road Safety Program Reserve to the Road Safety Programs operating budget to support conduct of new safety reviews, a sightline review study, and education campaigns.

# Investment

- A one-time budget amendment is required to transfer 2024 net automated enforcement revenues from the Vision Zero Road Safety Program Reserve.
  - This transfer will have no impact on the 2025 general tax levy.
- In 2026:
  - \$1.50M capital budget request to fund construction of countermeasures from reviews completed in 2025
  - \$0.86M transfer from the Vision Zero Road Safety Program Reserve to the Road Safety Programs operating budget to support roadside safety reviews and continued education campaigns

# Monitoring and Improving

- The Plan identifies two Key Performance Indicators.
- The goal is an ongoing reduction in the number of serious collisions.
- An annual report will update progress.

**83**

Fatal and Injury  
Collisions per 100,000  
residents

**623**

Total Collisions per  
100,000 residents

# Questions