

# WELCOME

## Township of West Lincoln Road Safety Action Plan

### Public Information Centre

Thursday, November 27, 2025

5:00 p.m. – 7:00 p.m.

318 Canborough Street, Smithville

**Please sign-in & fill out the comment form before you leave. Thank you!**

# Land Acknowledgement

---

The Township of West Lincoln, being part of Niagara Region is situated on treaty land. This land is steeped in the rich history of the First Nations such as the Hatiwendaronk, the Haudenosaunee, and the Anishinaabe, including the Mississaugas of the Credit First Nation. There are many First Nations, Métis, and Inuit from across Turtle Island that live and work in Niagara today. The Township of West Lincoln, as part of the Regional Municipality of Niagara, stands with all Indigenous peoples, past and present, in promoting the wise stewardship of the lands on which we live.

Let this acknowledgement serve as a reminder of our ongoing efforts to recognize, honour, reconcile and partner with Indigenous people who have lived and worked on this land historically and presently.

# Welcome

Welcome to the Public Information Centre (PIC) for the Township of West Lincoln Road Safety Action Plan.

This PIC has been arranged to provide an opportunity for you to learn about the study, ask questions, and provide input to the project team.



LEARN ABOUT THE  
PROJECT



ASK QUESTIONS

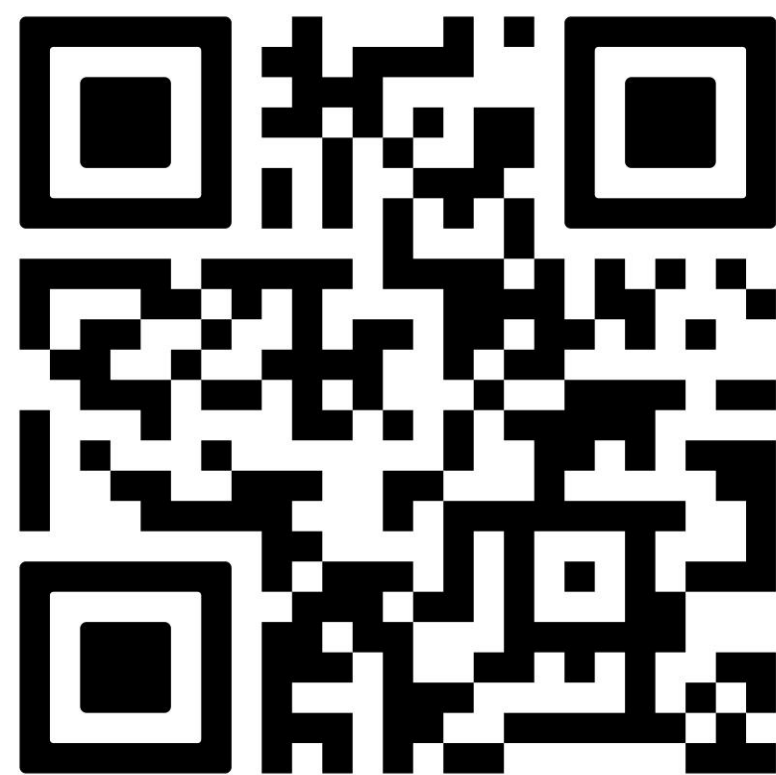


PROVIDE COMMENTS

Should you have any questions or additional feedback following this public meeting, please reach out to the Project Team for comments on this PIC contents and provide your feedback by the **end of the day on December 15, 2025.**



PROJECT WEBSITE



PUBLIC ONLINE ROAD  
SAFETY SURVEY



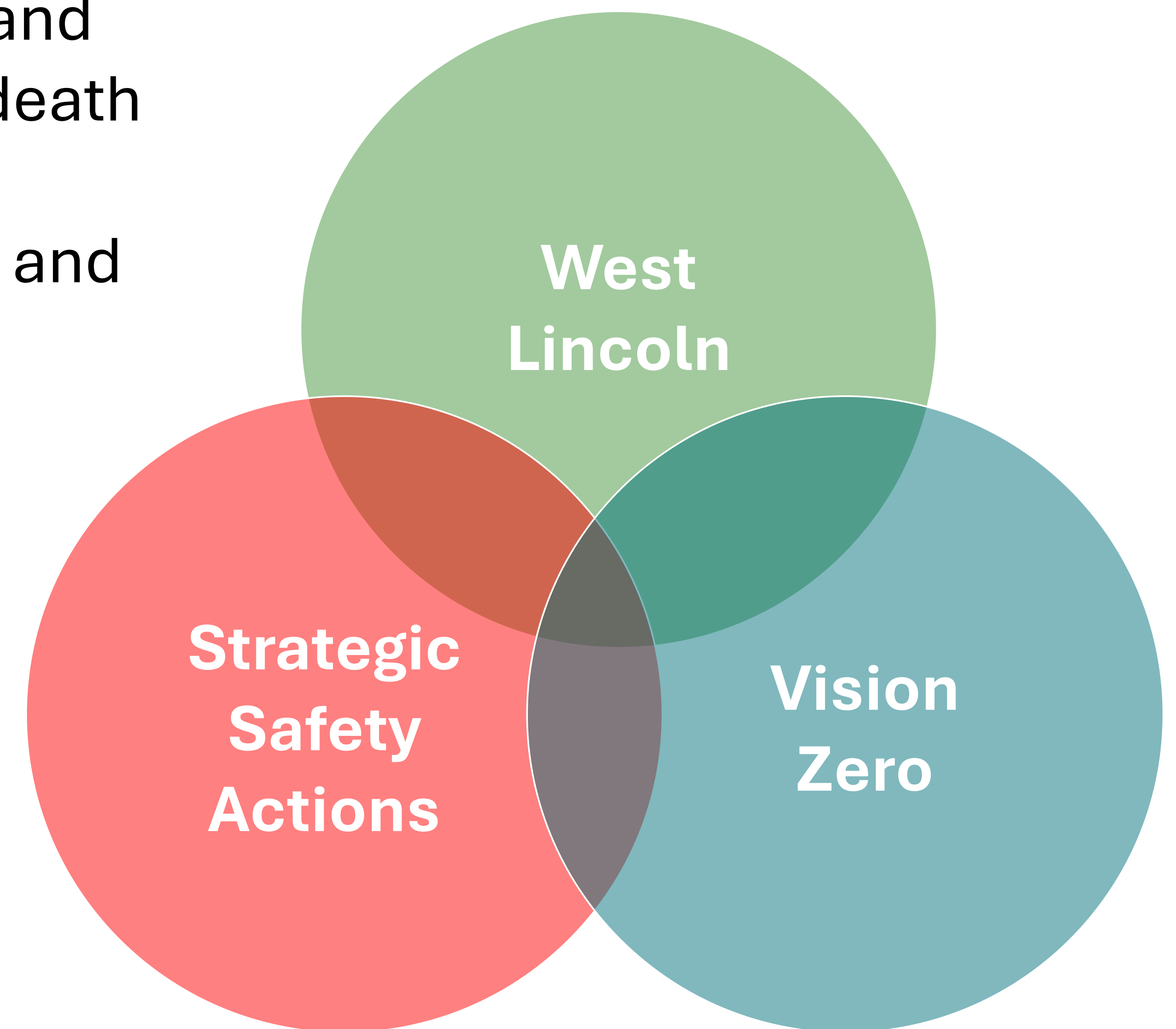
ONLINE ROAD SAFETY  
MAPPING SURVEY

# Importance of Road Safety

Injuries and deaths from motor vehicle collisions are a serious public health issue, causing serious harm to individuals, families, and placing pressure on health and social services. However, most of these injuries and death are preventable through targeted road safety efforts, including traffic calming infrastructure, enforcement, and education.

West Lincoln's Road Safety Action Plan aims to reduce motor vehicle collisions and enhance road safety for all users by applying Vision Zero and Safe Systems Approach.

## Project Mission





# Safe Systems Approach

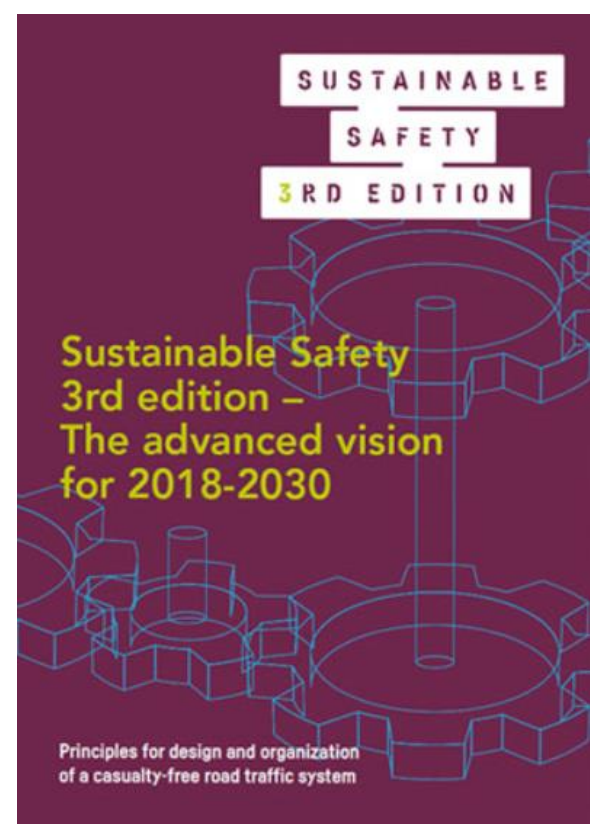
Vision Zero is a global road safety approach that aims to eliminate traffic related deaths and injuries by prioritizing human safety over mobility.

## Vision Zero

**Vision Zero:** Eliminating serious injuries and fatalities on West Lincoln Roadway Systems

**Safe Systems Approach:**  
Recent safety approach and practices

## Vision Zero History



Netherlands  
1973



Sweden  
1997



UN: 2010-20

## Overall Method



## Basic Principles

Traditional Approach vs Safe Systems Approach

Who is responsible?

Individual Road Users

Road Engineers, Planners, Policy Makers

How do we fix the problem?

Change Individual Road User Behaviour

Change the Environment to Promote Safe Roads



# Project Objectives & Scope

The Township of West Lincoln has initiated the development of a Road Safety Action Plan to enhance road safety on Township roads and reduce traffic-related injuries across both urban and rural areas.

## Key Objectives include:

- ☐ Create a comprehensive Road Safety Action Plan
- ☐ Align with Vision Zero/Safe Systems principles
- ☐ Develop a safety plan to create a safe road network for all road users
- ☐ Provide Council and staff with a clear, implementable roadmap towards road safety goals

## This Study will:

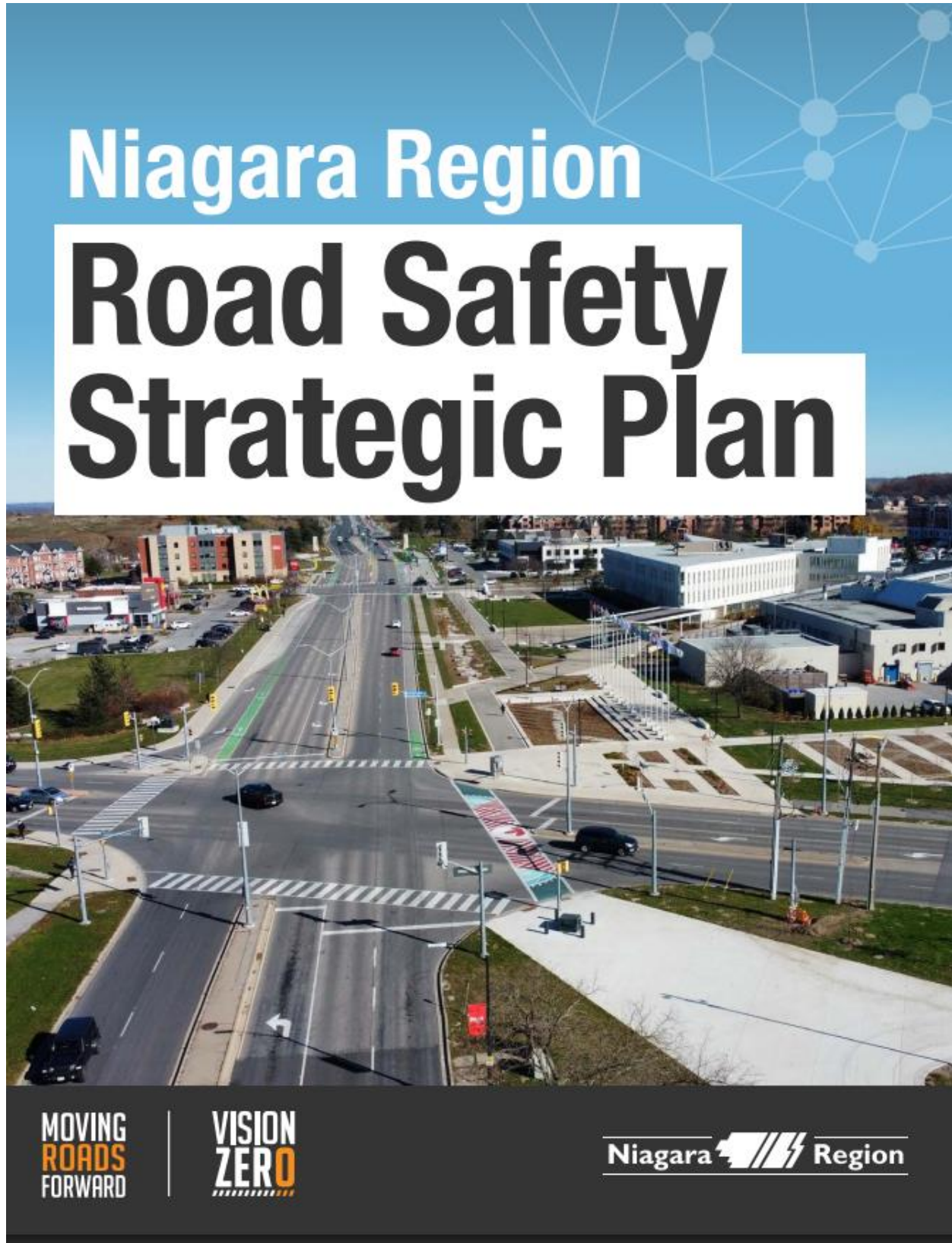
- ☐ Identify collision trends and hot spots in West Lincoln
- ☐ Review existing policies and industry standards/procedures
- ☐ Develop a Road Safety Campaign to promote education and awareness
- ☐ Develop an Urban and Rural Speed Reduction Pilot
- ☐ Gather public input from residents and stakeholders
- ☐ Recommend infrastructure improvements and urban/rural safety measures
- ☐ Propose sustainable funding options
- ☐ Regional Roads and intersections are not part of the Project Scope



# Policy & Background Research

A review of existing road safety policies from comparable municipalities has been conducted to identify key takeaways for West Lincoln. Notable policies were found for the following municipalities:

Municipality	Population Size (Approx)	Existing Policies
Township of West Lincoln	15,454	<ul style="list-style-type: none"><li>Speed Posting Reduction Policy</li></ul>
Niagara Region	478,000	<ul style="list-style-type: none"><li>Road Safety Strategic Plan</li></ul>
Town of Pelham	18,400	<ul style="list-style-type: none"><li>Neighbourhood Traffic Management Policy<ul style="list-style-type: none"><li>Speed Limit Review</li></ul></li></ul>
Town of Lincoln	24,700	<ul style="list-style-type: none"><li>40 km/h Speed Limit Pilot Project</li></ul>
Township of Zorra	8,100	<ul style="list-style-type: none"><li>Traffic Calming Measures Guide</li></ul>
Township of Clearview	14,800	<ul style="list-style-type: none"><li>Traffic Calming Policy</li></ul>
Township of Centre Wellington	30,000	<ul style="list-style-type: none"><li>Traffic Calming Policy</li></ul>
Middlesex Centre	18,928	Road Safety Plan, Traffic Calming, Speed Reduction Policy, Safety Campaign, Community Safety Zones



Comparable municipalities have adopted traffic calming strategies such as **community safety zones**, **automated speed enforcement**, and **red-light camera programs** to promote road safety.



# Stakeholder Consultation

Township of West Lincoln  
Road Safety Action Plan

## Technical Advisory Committee

- Township of West Lincoln
  - Public Works
  - Roads & Sidewalks
- Operations
  - Fire & Emergency Services
  - Planning & Development
- Region of Niagara
  - Transportation
  - Roads
  - Vision Zero
- Niagara Regional Polices Services
- Niagara Region Transit
- Niagara EMS
- Niagara Region Public Health
- MTO – Niagara
- Niagara Peninsula Conservation Authority

## Local Advisory Committee

- District School Board of Niagara
- Niagara Catholic District School Board
- Hamilton Health Services – West Lincoln Memorial Hospital
- West Lincoln Community Care
- Unified West Lincoln
- West Lincoln Chamber of Commerce
- West Lincoln Memorial Hospital Foundation
- West Lincoln Public Library
- Niagara Region Public Works Committee
- Local Schools and Parent Councils
- Niagara Cycling Organizations
- Rotary Club of Lincoln
- West Niagara Agricultural Society

## Other Key Stakeholder Groups

- Township Councillors
- Residents and Ratepayers
- Organizations
- Indigenous and Metis Communities

Consultation will occur throughout the project at key stages to gather insight into existing challenges and potential interventions:

- Study Launch & PIC #1
- Options Development
- Recommendations & PIC#2



# Public Engagement Strategy

To ensure that the Road Safety Action Plan reflects local values and safety concerns, public consultation with residents and key stakeholder groups is essential.

## Goal

Encourage participation from all stakeholders by raising awareness, providing accessible information, and ensuring community voices guide priorities concerns.

## Methods

Surveys, local community meetings, workshops, local/key location posters, pop-ups, online tools, tailored outreach to schools, seniors, youth, and vulnerable road users.



We Are  
Here!

Public Engagement Opportunities	Goals	Timeline
Stakeholder Meetings	<ul style="list-style-type: none"><li>Receive input from multiple stakeholders</li></ul>	Throughout Project
Public Information Centre #1	<ul style="list-style-type: none"><li>Introduce study to the public</li><li>Receive input regarding road safety concerns</li></ul>	November 27, 2025
Public Online Survey and Mapping Survey	<ul style="list-style-type: none"><li>Receive input regarding road safety concerns</li></ul>	Nov 13 to Dec 15 2025
Pilot Project (Reducing Speeds in Urban Subdivisions)	<ul style="list-style-type: none"><li>Feedback on initiatives/strategies</li></ul>	Spring 2026
Pilot Project (Reducing Speeds in Rural Areas)	<ul style="list-style-type: none"><li>Feedback on initiatives/strategies</li></ul>	Spring 2026
Public Information Centre #2	<ul style="list-style-type: none"><li>Present findings to the public</li><li>Receive feedback on proposed safety measures</li></ul>	Q2 or Q3 2026



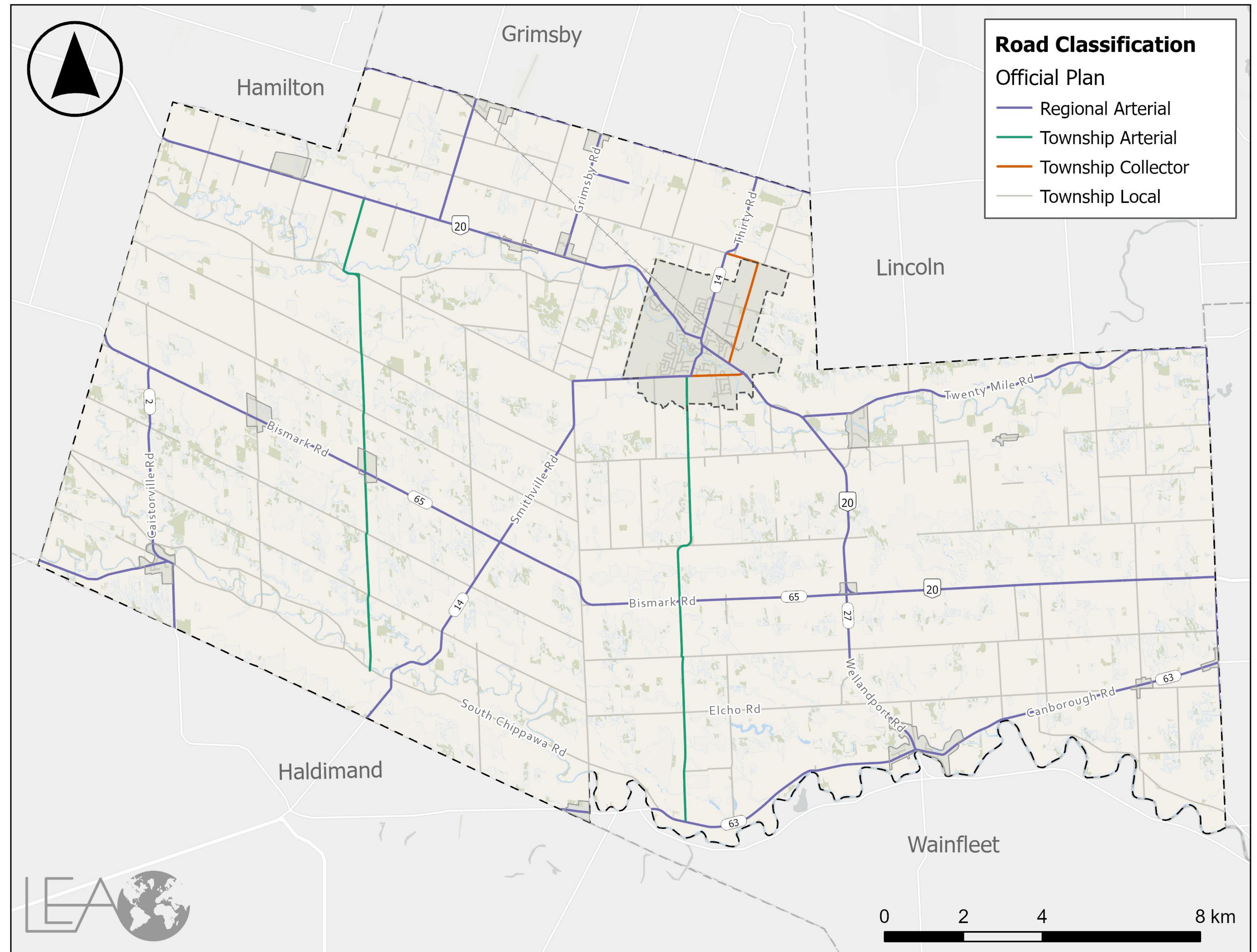
# Road Classification

## Inputs and Analysis:

- Project scope will focus on Township roads
- Partnership with regional for roads and intersections under Region's jurisdiction

## Conclusions:

- Limited number of regional roads but frequency of collisions due to higher traffic volumes





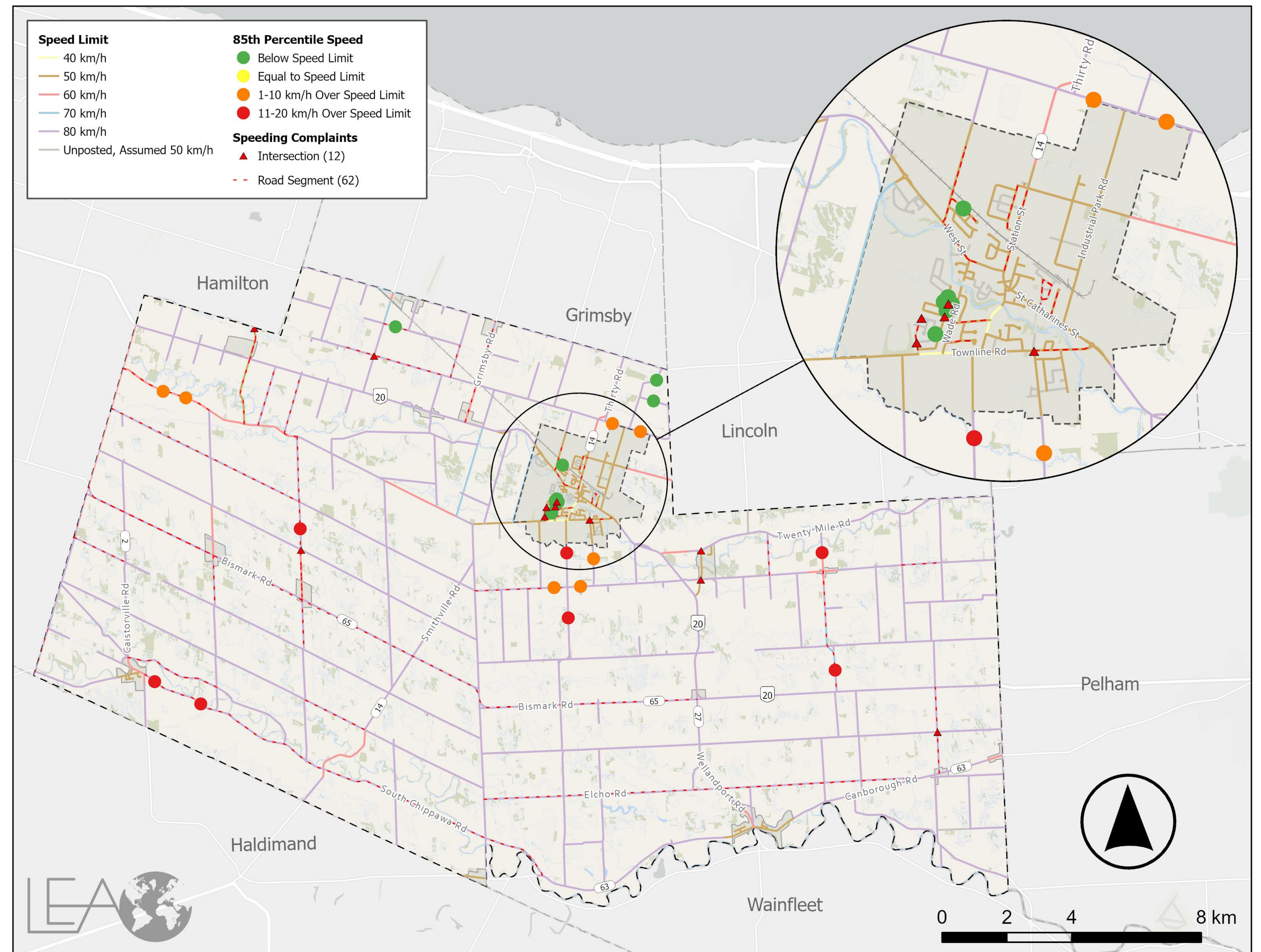
# Speed Data

## Inputs and Analysis:

- Speeding data from Township Radar
- Complaints from residents to Township Data

## Conclusions:

- Speeding issues are prevalent mainly in transition zones before entering urban or rural settlement areas





# Traffic Volume: Initial Summary

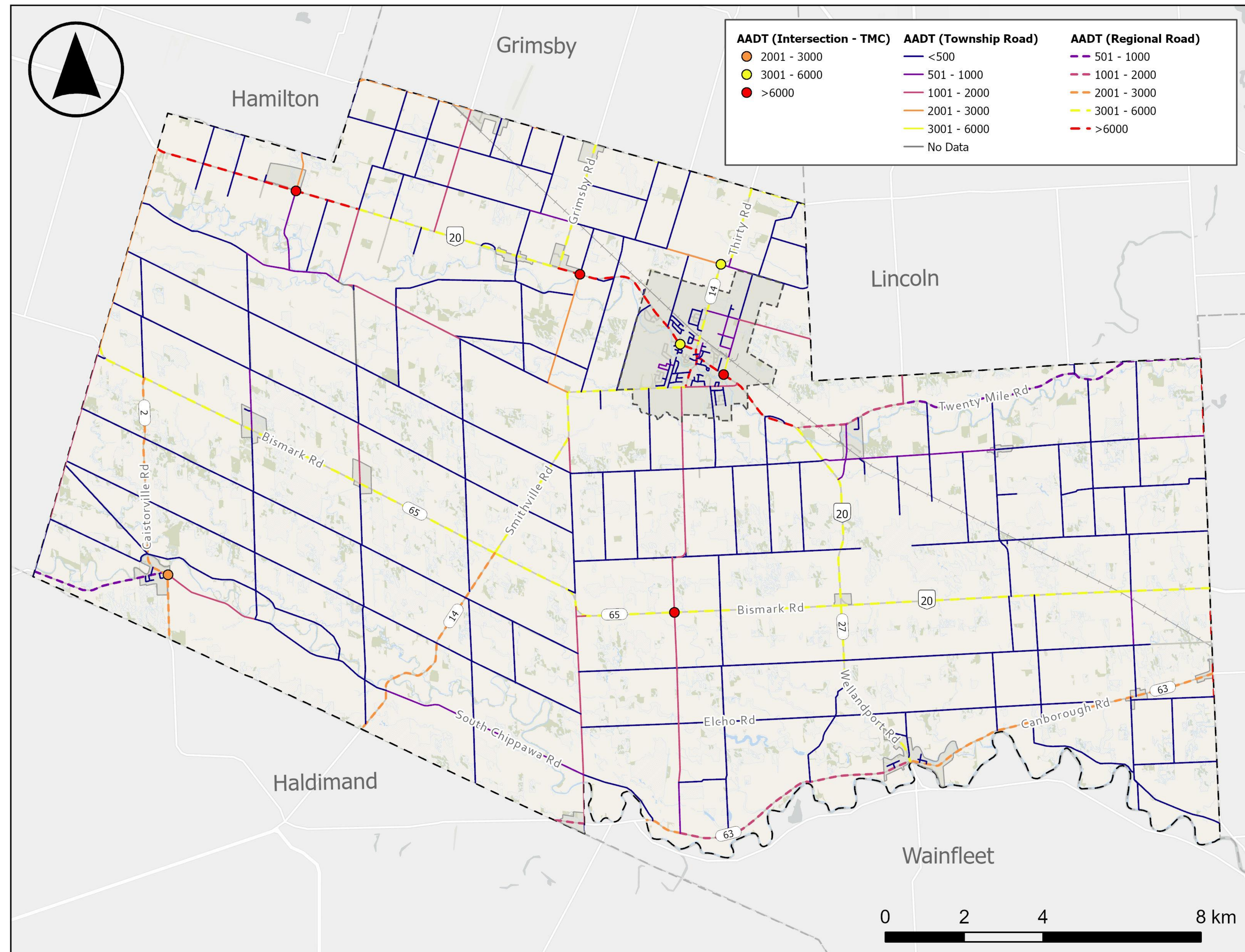
Township of West Lincoln  
Road Safety Action Plan

## Inputs and Analysis:

- Base layer = 2013 Segment AADT from Township
- Additional Layers:
  - Segment AADT from Township Speed Radar Data
  - Intersection AADT and from TMCs conducted by Region

## Conclusions:

- Data gaps for intersection AADT exist along key Township intersections





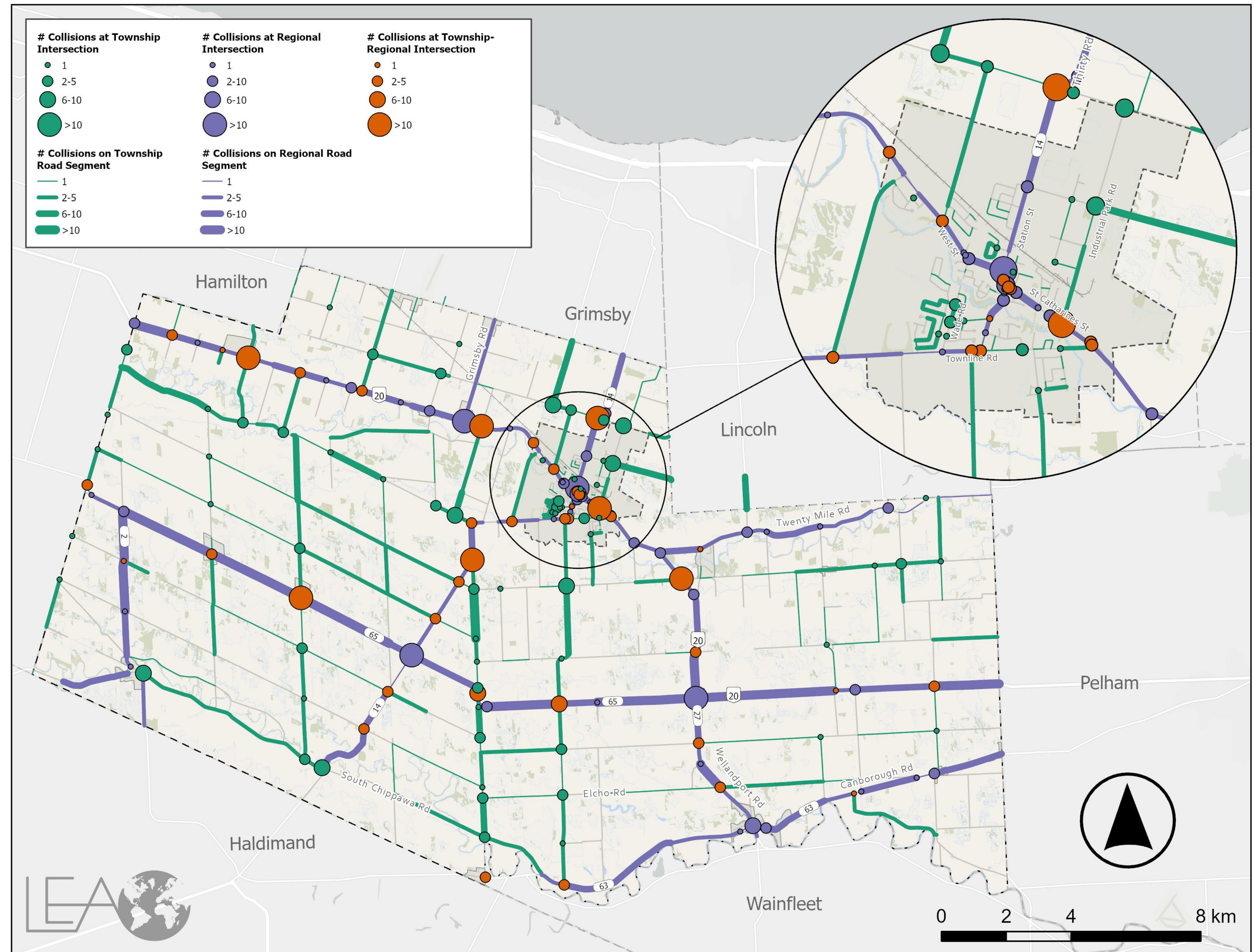
# Existing Collision Assessment

## Inputs and Analysis:

- Region Collision data over 10 years
- Collisions at Regional roads are shown for information only and will be responsibility of Region but the WLR SAP may help advance a Regional plan for those areas

## Conclusions:

- Traffic volumes gaps are observed at certain key Township intersections and segments where collisions are present





# Existing Collision Assessment

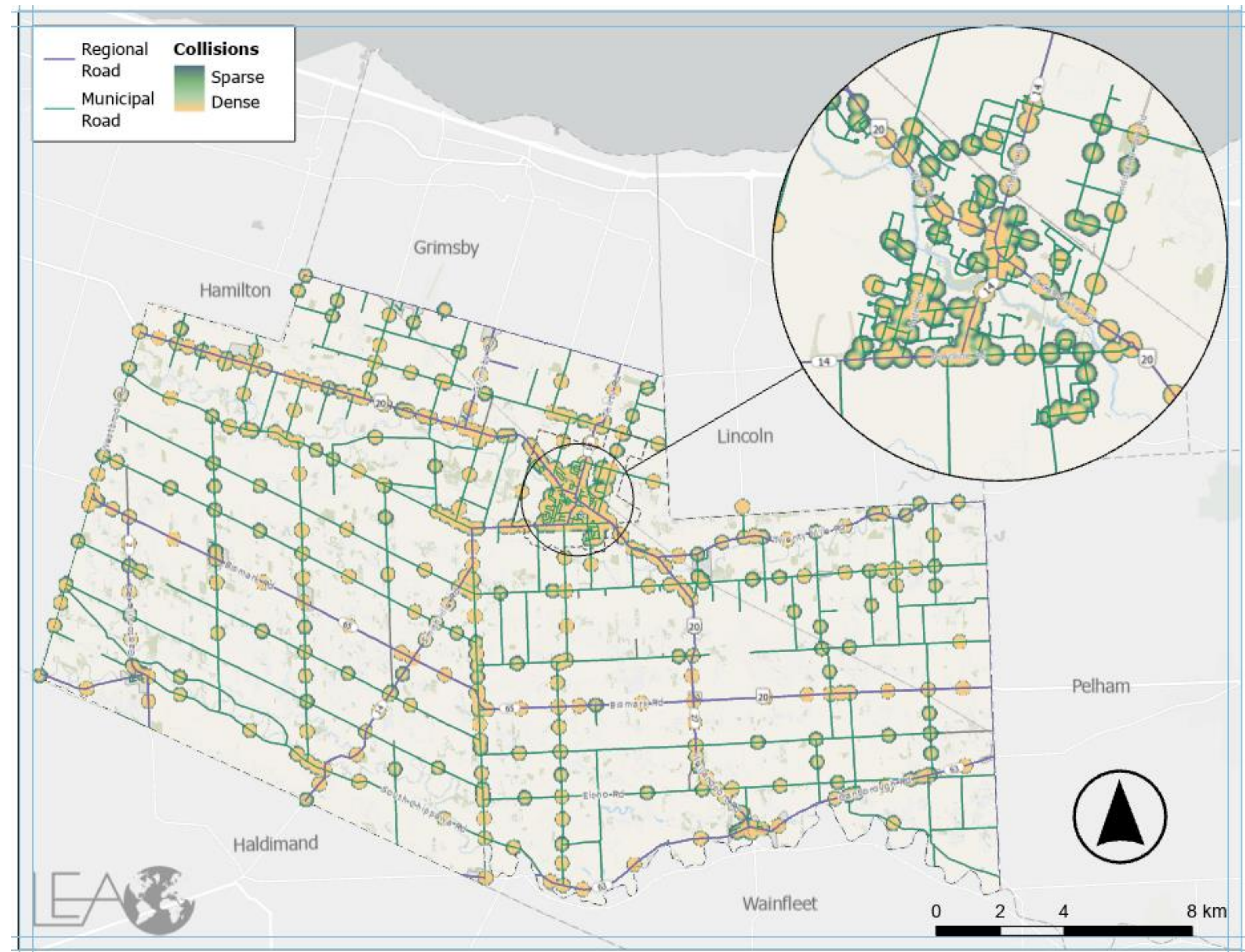
Township of West Lincoln  
Road Safety Action Plan

## Inputs and Analysis:

- Region Collision data over 10 years
- Collisions at Regional roads are shown for information only and will be responsibility of Region but the WLR SAP may help advance a Regional plan for those areas

## Conclusions:

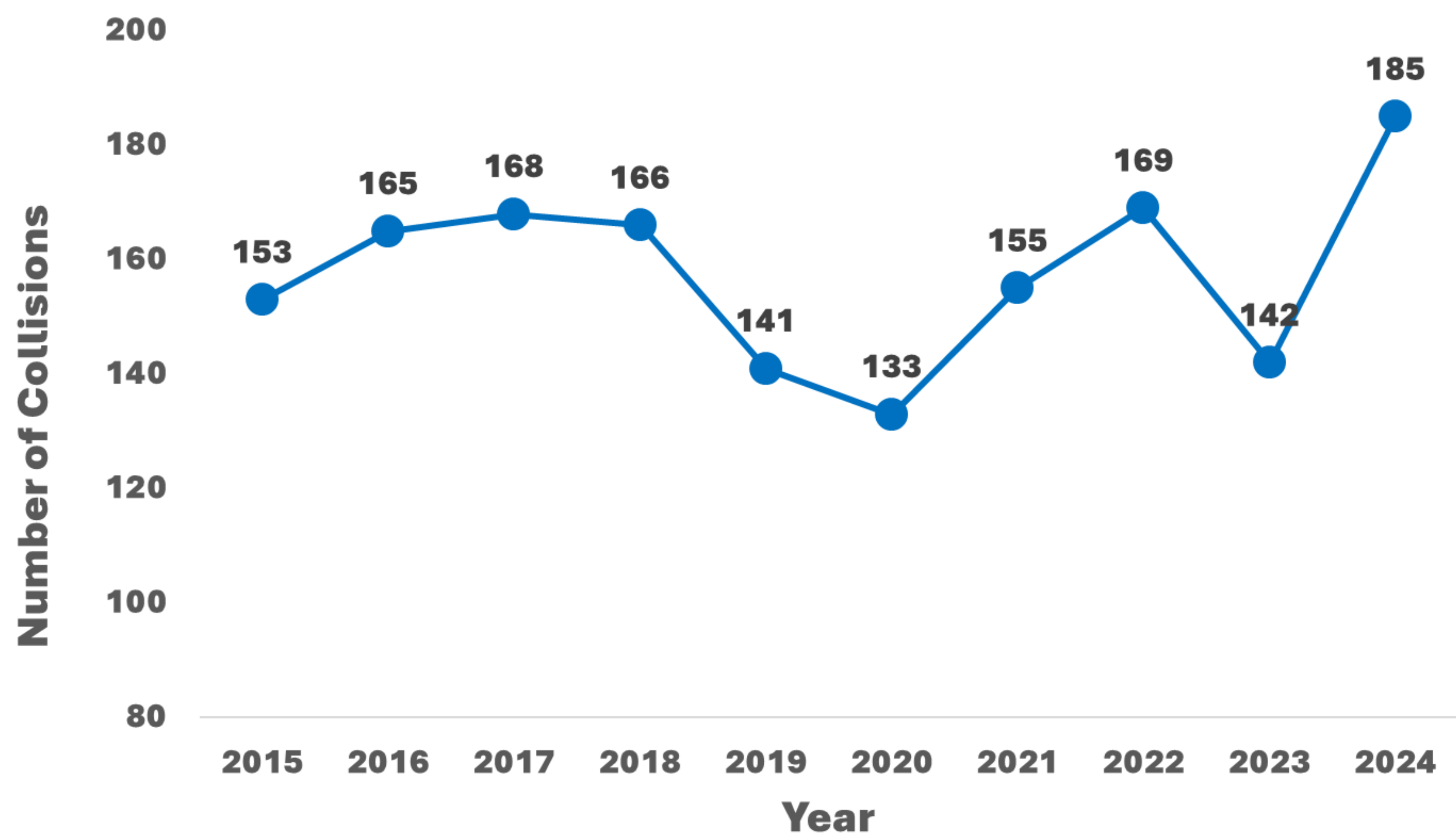
- Traffic volumes gaps are observed at certain key Township intersections and segments where collisions are present





# Collision Analysis Findings

## Collision Trend (2015-2025)



## Types of Major Collisions

- Single motor vehicle ~54%
- Angle/turning ~18%
- Rear-end ~12%
- Head-on ~4%
- Sideswipe ~4%
- Other ~7%

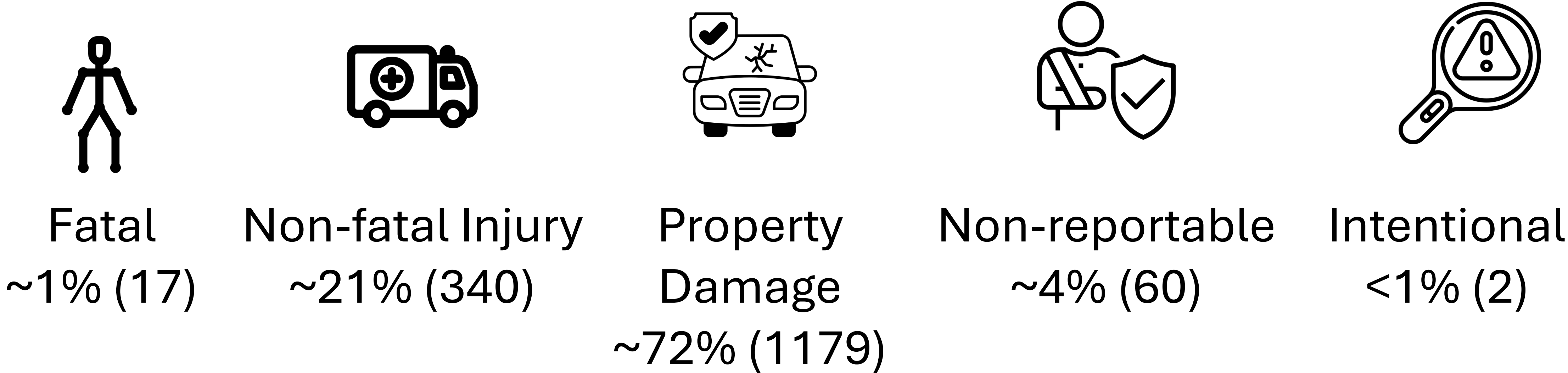
## Collision Locations

## Vehicle Involved in Collision

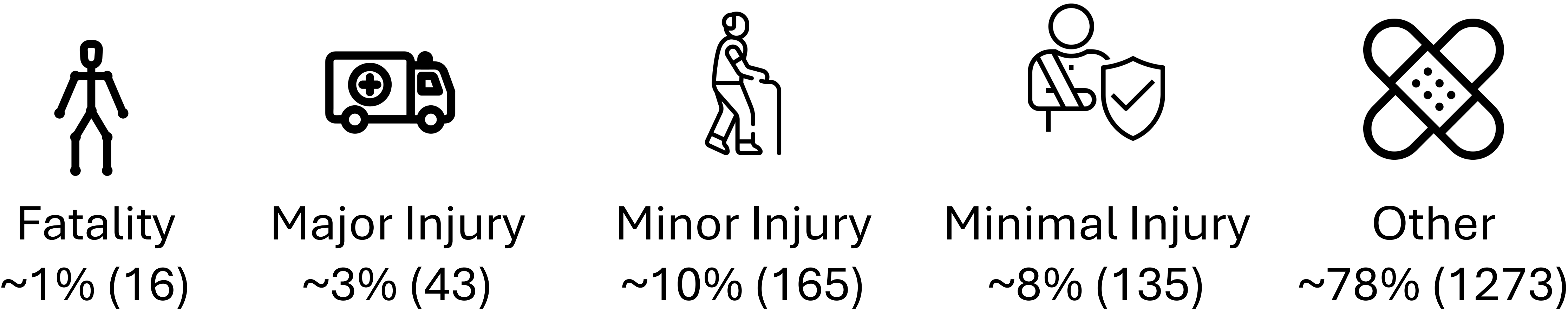
Intersection ~33%	Road Segments ~67%	Automobile ~66% (1069)	Pickup/Truck/Van ~29.4% (480)	Pedestrian/ Bicycle/School ~1.1% (18)	Motorcycle ~1.8% (29)	Farm/Police/ Other ~2.2% (15)

# Collision Analysis Findings (Cont'd)

## Collision Class



## Injury Level



## Collision Causes

Other	6.1%
Disobeyed traffic control	2.8%
Driving properly (external factors)	35.8%
Exceeding speed limit	2.4%
Failed to yield right-of-way	9.1%
Following too close	4.6%
Improper lane change	0.6%
Improper passing	1.2%
Improper turn	3.9%
Lost control	24.1%
Other	5.2%
Speed too fast for condition	4.0%
Speed too slow	0.1%
Wrong way on one-way road	0.1%



# Collision Analysis Findings (Cont'd)

## Top 20 Intersections by Collision Frequency

Intersection	Number of Collisions	Class
Bismark Road @ Smithville Road	35	Regional
Thirty Road @ Young Street	18	Township-Regional
St Catharines Street @ Industrial Park Road	17	Township-Regional
Bismark Road & Highway 20 @ Wellandport Road	16	Regional
Bismark Road @ Caistor Centre Road	14	Township-Regional
Highway 20 @ South Grimsby Road 8	14	Township-Regional
Griffin Street North @ Station Street/West Street	13	Regional
Grimsby Road @ Highway 20	12	Regional
Highway 20 @ South Grimsby Road 18	12	Township-Regional
Smithville Road @ Caistor Gainsborough Townline Road	12	Township-Regional
Highway 20 @ Sixteen Road	11	Township-Regional
RR20/St Catharines Street @ Griffin Street	10	Regional
South Grimsby Road 6 @ Young Street	10	Township
Bismark Road @ Port Davidson Road	9	Township-Regional
Canborough Road @ Regional Road 27/Wellandport Road	9	Regional
Industrial Park Road @ Spring Creek Road	8	Township
Port Davidson Road @ Sixteen Road	8	Township
Caistorville Road @ South Chippawa Road	7	Township
Industrial Park Road @ Young Street	7	Township
Smithville Road @ South Chippawa Road	7	Township
South Grimsby Road 8 @ Twenty Road	7	Township

## Top 20 Road Segments by Collision Frequency

Road Segment	Number of Collisions	Class
Bismark Road btwn Caistor Centre Road & Abingdon Road	24	Regional
Highway 20 btwn Bismark Road & Wellandport Road & Concession 4 Road	20	Regional
Bismark Road btwn Abingdon Road & Caistorville Road	18	Regional
Highway 20 btwn Highway 20 West & Vineland Townline Road & Boyle Road & Rosedene Road	18	Regional
Bismark Road btwn Allen Road & Caistor Centre Road	17	Regional
Highway 20 btwn South Grimsby Road 21 & Westbrook Road	16	Regional
Bismark Road btwn Port Davidson Road & Berryman Road	15	Regional
Highway 20 btwn Schram Road & Bismark Road & Wellandport Road	15	Regional
Caistorville Road btwn Concession 3 Road & Bismark Road	14	Regional
Bismark Road btwn Highway 20 & Wellandport Road & Krick Road	13	Regional
Caistor Gainsborough Townline Road btwn Concession 5 Road & Sixteen Road	12	Township
Caistorville Road btwn Concession 2 Road & Concession 3 Road	12	Regional
Highway 20 btwn Highway 20/Rosedene Road & Highway 20	11	Regional
Wellandport Road btwn Elcho Road & Baldwin Road	11	Regional
Highway 20 btwn Concession 4 Road & St Ann's Road	10	Regional
Highway 20 btwn Grimsby Road & South Grimsby Road 10	10	Regional
Smithville Road btwn South Chippawa Road & Concession 2 Road	10	Regional
Thirty Road btwn Spring Creek Road & Station Street & Young Street	10	Regional
Bismark Road btwn Cosby Road & Smithville Road	9	Regional
Caistor Gainsborough Townline Road btwn Concession 3 Road & Berryman Road	9	Township
Caistor Gainsborough Townline Road btwn South Chippawa Road & Elcho Road	9	Township
Canborough Road btwn Heaslip Road & Welland Street	9	Regional
Highway 20 btwn Boyle Road & Rosedene Road & Gee Road	9	Regional
Smithville Road btwn Caistor Gainsborough Townline Road & Townline Road & Twenty Road	9	Regional
Twenty Mile Road btwn Silverdale Road & Snyder Road	9	Regional
Wellandport Road btwn Vaughan Road & Bismark Road & Highway 20	9	Regional
West Street btwn Griffin Street North & Station Street & Wade Road North	9	Regional

- Township Roads and Intersections
- Intersection between Regional and Township Roads
- Township Roads and Intersections

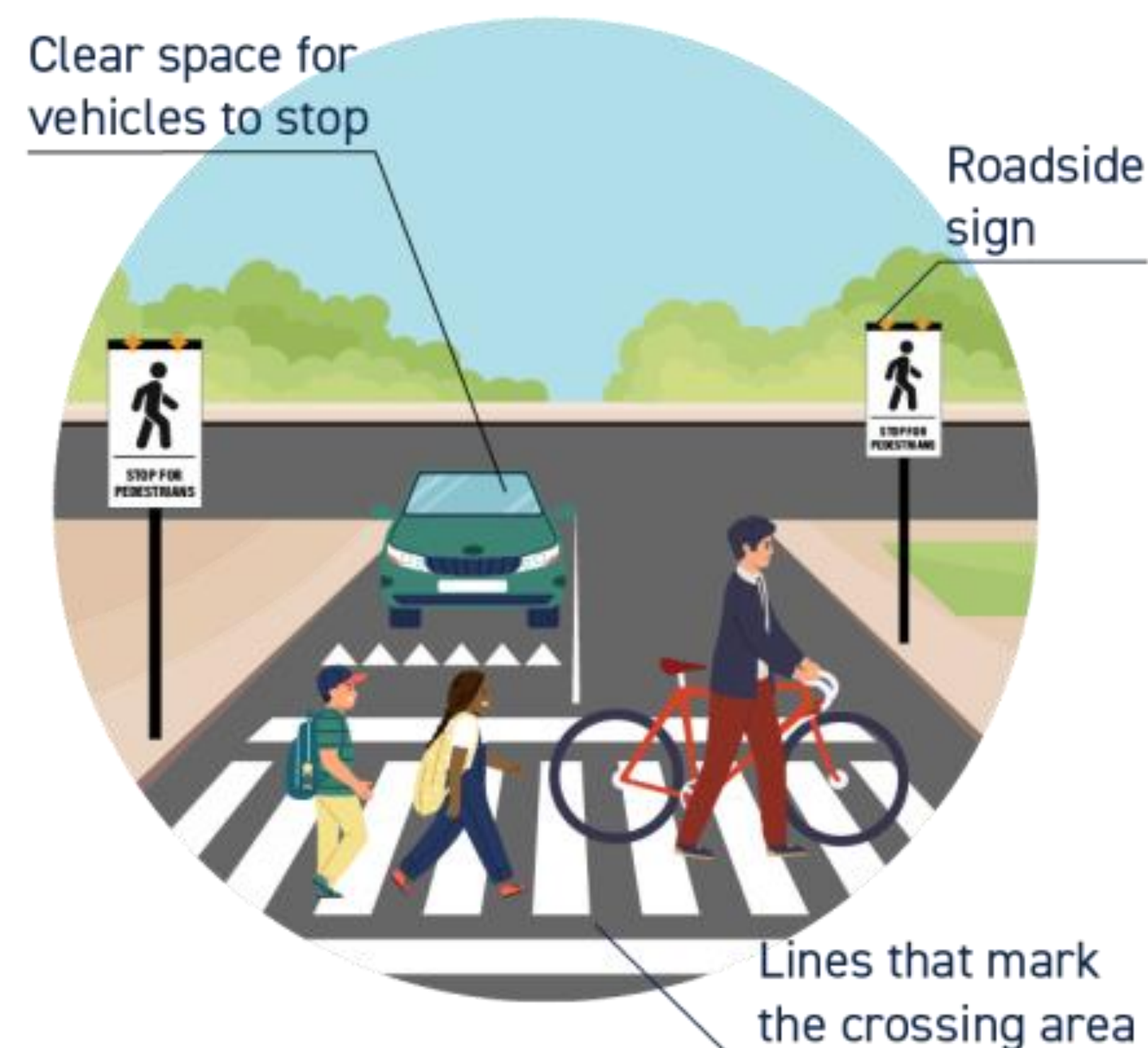
Please note that the above ranking of priority safety improvements is subject to change. It will be updated after collision data is compared with traffic volumes and additional safety analysis is conducted in Winter 2026.



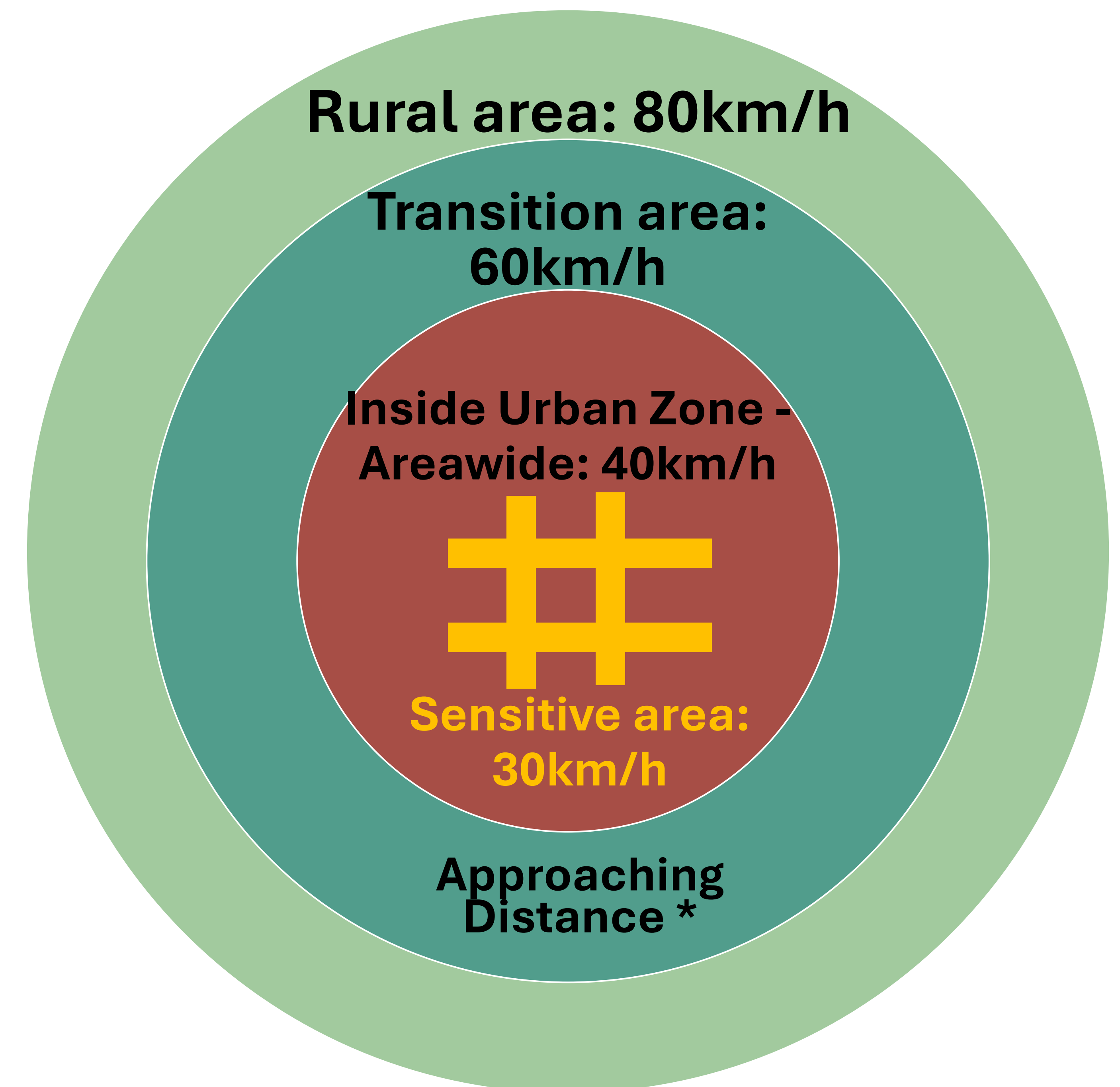
## Overall Approach

### Pilot project in Spring 2026

- **Area-wide speed reduction:** residential and local roads
- **Sensitive areas speed reduction:** school, hospital, senior centres



## Strategic Speed Approach





## Strategic Approach

### 3 Types of Areas:

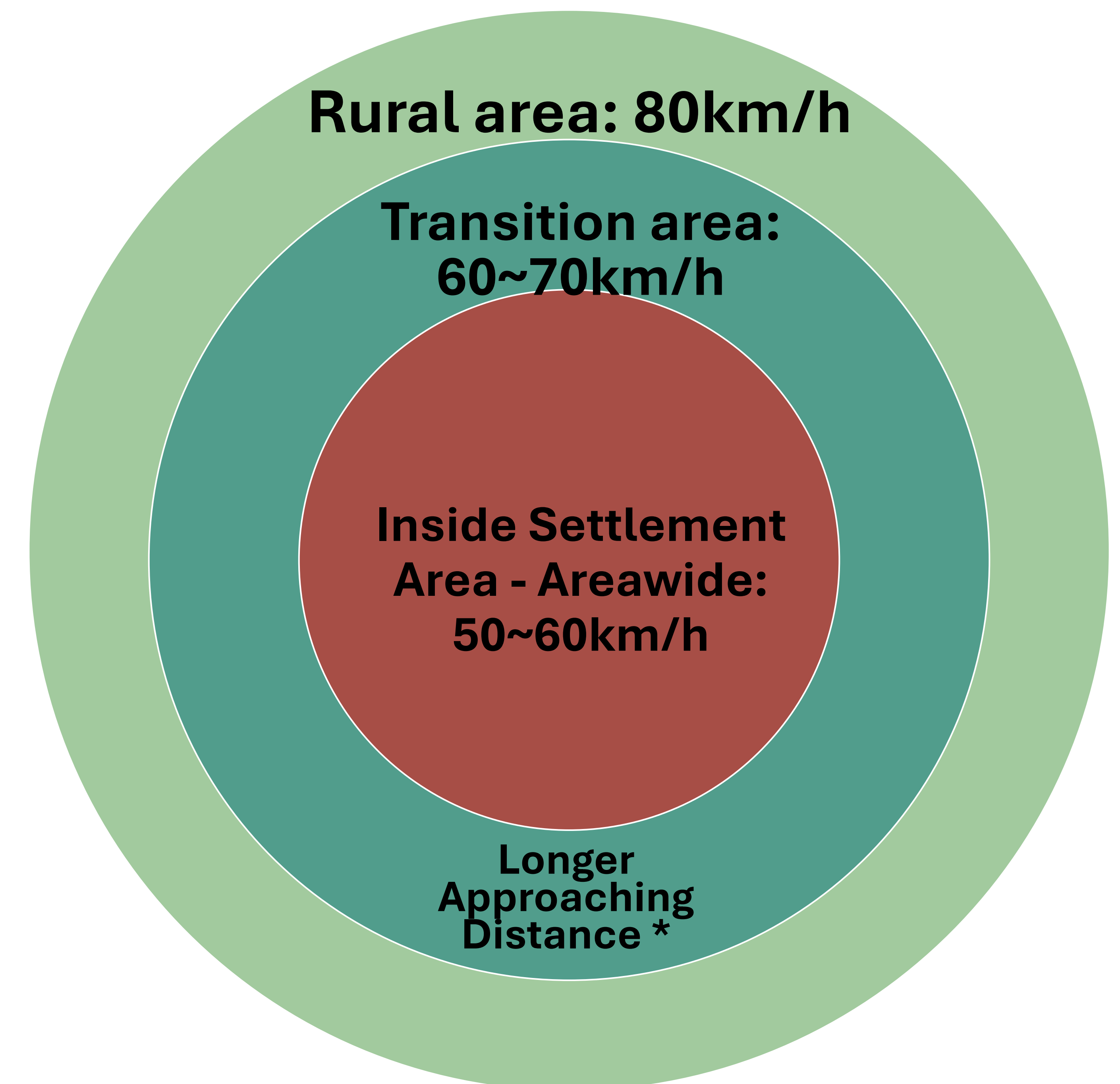
- Transit Area: Speed Reduction
- Settlements: Internal Areas
- Rural Road Segments

### Potential 3 Types of Pilot Installation (Spring 2026)

- Speed Reduction
- Complex geometry (curve, hills etc.)
- Unpaved roads or Runoff collision-prone area/segment



## Strategic Speed Approach



\* Will be determined per established manuals, guidelines & new best practices



## Potential Funding Options

- General sources (include in roadway related development charges )
- Dedicated revenues (requirements for new development)
- Federal or provincial grants and partnerships
- Regional co-operation and partnerships

## Potential Implementation Strategies:

- Periodic road safety campaign and awareness
- Integration with capital works programs
- Default safety program as part of new area development
- Safety programs, actions and specifications tied to general road improvements
- Road safety plans (e.g. speed reduction, traffic calming) as part of capital programs
- Strategy for resurface and reconstruction with default inclusion of road safety actions
- Coordination with Niagara Region to implement road safety actions
- Official plan/bylaw updates
- Program, staffing & resource needs (gap analysis)





## Inputs and Analysis:

- Complaints from interactive map
- Online Survey

## Conclusions:

- Summary for each topic from breakout session

## Summary :

- Comments on Maps or Boards

## Contact Project Team Members:

Mike DiPaola  
Director, Infrastructure  
Township of West Lincoln  
905-957-3346 ext. 5142  
mdipaola@westlincoln.ca

Dewan Karim, P.Eng., PTOE  
Consultant Project Manager  
LEA Consulting Ltd.  
647-518-4087  
dkarim@lea.ca



# Workshop Board

---

Township of West Lincoln  
Road Safety Action Plan

**We would love to hear your ideas!**

Please use sticky notes on this board to illustrate and generate discussion

**We will take this back!**

The project team will prepare a summary of the ideas generated and it will be made public