

APPENDIX N

Community Safety Zones



WELLINGTON
COUNTY

Road Master Action Plan



Memo



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cc: Alan Zheng, Dennis Kar, Dillon Consulting Limited
Date: December 22, 2021
Subject: Wellington County RMAP – Community Safety Zones – Technical Review

1.0

Introduction

The following memo presents the results of a community safety zones review of 20 County road corridors within 12 primary urban centres and three (3) County road corridors within two (2) secondary urban centres in the County of Wellington. There are a total of 48 road segments where reviews and assessments were completed along 23 road corridors noted below. The purpose of the review was to:

- assess the built environment and existing road characteristics of the corridors;
- determine which road sections should be designated as a Community Safety Zone; and
- confirm the appropriate limits and boundaries of each recommended Community Safety Zone.

Each of the corridors was confirmed by the County of Wellington as these corridors are under the full jurisdiction of the County rather than the local municipality. In addition, no corridors that are currently identified as a provincial highway were considered. The full list of the urban centres and corridors reviewed are summarized below:

- Clifford (Wellington Road 2);
- Harriston (Wellington Road 109);
- Palmerston (Wellington Road 5, 8 and 123);
- Mount Forest (Wellington Road 6);
- Arthur (Wellington Road 14);
- Moorefield (Wellington Road 10);
- Drayton (Wellington Road 8 and 11);
- Elora/Salem (Wellington Road 7, 18 and 21);
- Fergus (Wellington Road 18 and 19);
- Hillsburgh (Wellington Road 24);
- Erin (Wellington Road 124);
- Rockwood (Wellington Road 27 and 50);
- Aberfoyle (Wellington Road 34 and 46); and
- Morriston (Wellington Road 36).

Methodology

Each County road corridor is divided into multiple road segments based on their distinct or changing road characteristics and environments. For example, a drastic change in street landscape or street type (from a suburban road to a community main street) and/or a change in the posted speed limit along the corridor clearly indicates a shift in road characteristics, which requires the division of a County road corridor into multiple road segments to permit a more detailed and appropriate evaluation.

The evaluation and assessment of corridors for a Community Safety Zone are based on the scoring of eight (8) community safety risk factors as identified within the approved Wellington County Speed Management Guidelines document. Depending on the built environment and characteristics of the road segment, the road segment were assessed as high, medium, or low risk for each risk factor. A high-risk factor will assign the road segment a score of three (3), a medium -risk factor will assign the segment a score of two (2), and a low-risk factor will assign the segment a score of one (1).

If the combined score of all eight (8) risk factors is equal to or greater than 18 (the approved threshold) for a road segment, some or all parts of the road segment would be warranted for the introduction of a Community Safety Zone.

A Community Safety Zone should also be considered when the combined score of all eight (8) risk factors is equal to 17 points and three or more factors are identified as high-risk. While the overall score does not meet the threshold of 18, the multiple high-risk factors along the road segment warrants further review by County staff to confirm that the introduction of a Community Safety Zone is appropriate.

The details of the scoring components are indicated in Table 1.

Table 1: Community Safety Zone - Risk Scoring Factors

Risk Factor	High (Score 3)	Medium (Score 2)	Low (Score 1)
Posted Speed (km/h)	40	50	60
Average Daily Traffic Volume	>10,000	5,000 – 10,000	<5,000
Number of Lanes (Both Directions)	>4	3 or 4	2
Presence of Community Facilities	School / Park (with playground)	Retirement Areas / Community Centre / Park (no playground)	None
Presence of Sidewalks	None	On one side	On both sides
Truck Volumes (as %)	>10%	5 – 10%	<5%
Pedestrians Crossing (8 hrs)	>25	10 – 25	<10
Intersections / Entrances (per km)	>10	4 – 10	<4

The identified risk factors of the posted speed, the number of lanes (both directions), the presence of community facilities, the presence of sidewalks, and the number of intersections and entrances per kilometre were evaluated through a desktop review of the street segments on the Google Maps in satellite view and via Google Street View. The identified risk components and scoring for the average daily traffic volume and truck percentages were assessed based on the traffic data supplied by the County of Wellington. The pedestrian crossing factor were evaluated through a high-level estimate of the local foot traffic based on the local built environment and facilities surrounding the specific county road corridor.

3.0

Corridor Analysis

3.1

Clifford (Wellington Road 2)

Table 2 provides the scoring of the County road corridors throughout Clifford.

Table 2: Community Safety Zone Scoring, Clifford

	Posted Speed (km/h)	Average Daily Traffic Volume	Number of Lanes (Both Directions)	Presence of Community Facilities	Presence of Sidewalks	Truck Volumes (as %)	Pedestrians Crossing (8 hrs)	Intersections / Entrances (per km)	Total Score
Wellington Road 2 (Minto Street N) (West Heritage Street - Allan Street W)	2	1	1	1	3	1	1	1	11
Wellington Road 2 (Allan Street W) (Minto Street S. - Highway 9)	2	1	1	3	1	1	3	2	14
Wellington Road 2 (Mill Street E) (Highway 9 - Seip Lane)	2	1	1	1	3	1	1	2	12

No road segment or corridor with Clifford received a score equal to or over 18; thus, a Community Safety Zone has not been recommended within Clifford.

Harriston (Wellington Road 109)

Table 2 provides the scoring of the County road corridors throughout Harriston.

Table 3: Community Safety Zone Scoring, Harriston

	Posted Speed (km/h)	Average Daily Traffic Volume	Number of Lanes (Both Directions)	Presence of Community Facilities	Presence of Sidewalks	Truck Volumes (as %)	Pedestrians Crossing (8 hrs)	Intersections / Entrances (per km)	Total Score
Wellington Road 109 (Elora Street N) (Arthur Street W. - Raglan Street W)	2	2	1	2	1	2	3	3	16
Wellington Road 109 (Elora Street N) (Raglan Street W. - Jessie Street)	2	2	1	1	1	2	2	2	13

No road segment or corridor with Harriston received a score equal to or over 18; thus, a Community Safety Zone has not been recommended within Harriston.

Palmerston (Wellington Roads 5, 8 & 123)

Table 2 provides the scoring of the County road corridors throughout Palmerston.

Table 4: Community Safety Zone Scoring, Palmerston

	Posted Speed (km/h)	Average Daily Traffic Volume	Number of Lanes (Both Directions)	Presence of Community Facilities	Presence of Sidewalks	Truck Volumes (as %)	Pedestrians Crossing (8 hrs)	Intersections / Entrances (per km)	Total Score
Wellington Road 5 (Whites Road) (Lett Street - Wellington Road 123)	2	1	1	2	2	2	1	2	13
Wellington Road 5 (Toronto Street) (Wellington Road 123 - Wellington Road 8)	2	1	1	1	2	2	2	2	13
Wellington Road 8 (King Street) (Wellington Road 123 - Mill Lane)	2	1	1	1	3	1	1	2	12
Wellington Road 8 (King Street) (Mill Lane - Toronto Street)	2	1	1	2	1	1	2	3	13
Wellington Road 123 (Main Street) (Highway 23 - Wellington Road 8)	2	2	1	1	3	2	1	3	15
Wellington Road 123 (Main Street) (Wellington Road 8 - Wellington Road 5)	2	2	1	3	1	3	3	3	18

Wellington Road 123 (Wellington Road 8 – Wellington Road 5) received a score of 18, which warranted a Community Safety Zone.

Mount Forest (Wellington Road 6)

Table 2 provides the scoring of the County road corridors throughout Mount Forest.

Table 5: Community Safety Zone Scoring, Mount Forest

	Posted Speed (km/h)	Average Daily Traffic Volume	Number of Lanes (Both Directions)	Presence of Community Facilities	Presence of Sidewalks	Truck Volumes (as %)	Pedestrians Crossing (8 hrs)	Intersections / Entrances (per km)	Total Score
Wellington Road 6 (Sligo Road W) (Highway 89 - Highway 6)	2	1	1	1	3	2	2	3	15
Wellington Road 6 (Sligo Road E) (Highway 6 - London Road)	2	1	1	3	2	2	3	3	17

No road segment or corridor with Mount Forest received a score equal to or over 18; although a portion of Wellington Road 6 was found to score 17 points and also featured three categories that were deemed to be high-risk.

Arthur (Wellington Road 14)

Table 2 provides the scoring of the County road corridors throughout Arthur.

Table 6: Community Safety Zone Scoring, Arthur

	Posted Speed (km/h)	Average Daily Traffic Volume	Number of Lanes (Both Directions)	Presence of Community Facilities	Presence of Sidewalks	Truck Volumes (as %)	Pedestrians Crossing (8 hrs)	Intersections / Entrances (per km)	Total Score
Wellington Road 14 (Eliza Street) (Tucker Street - Domville Street)	2	1	1	3	2	2	2	1	14
Wellington Road 14 (Fredrick Street E) (Domville Street - Highway 6)	2	1	1	1	1	2	3	2	13

No road segment or corridor with Arthur received a score equal to or over 18; thus, a Community Safety Zone has not been recommended within Arthur.

Moorefield (Wellington Road 10)

Table 2 provides the scoring of the County road corridors throughout Moorefield.

Table 7: Community Safety Zone Scoring, Moorefield

	Posted Speed (km/h)	Average Daily Traffic Volume	Number of Lanes (Both Directions)	Presence of Community Facilities	Presence of Sidewalks	Truck Volumes (as %)	Pedestrians Crossing (8 hrs)	Intersections / Entrances (per km)	Total Score
Wellington Road 10 (McGivern Street) (Concession Road 8 - Ball Avenue)	2	1	1	1	1	2	2	3	13
Wellington Road 10 (McGivern Street) (Ball Avenue - Hilwood Drive)	3	1	1	3	2	2	2	2	16

No road segment or corridor with Moorefield received a score equal to or over 18; thus, a Community Safety Zone has not been recommended within Moorefield.

Drayton (Wellington Roads 8 & 11)

Table 2 provides the scoring of the County road corridors throughout Drayton.

Table 8: Community Safety Zone Scoring, Drayton

	Posted Speed (km/h)	Average Daily Traffic Volume	Number of Lanes (Both Directions)	Presence of Community Facilities	Presence of Sidewalks	Truck Volumes (as %)	Pedestrians Crossing (8 hrs)	Intersections / Entrances (per km)	Total Score
Wellington Road 8 (Main Street W) (Drayton Industrial Drive - Wellington Road 11)	2	1	1	2	2	1	2	2	13
Wellington Road 8 (Main Street E) (Wellington Road 11 - John Street)	2	1	1	1	1	1	3	2	12
Wellington Road 11 (Wellington Street S) (Andrews Drive - Wellington Road 8)	3	1	1	3	2	2	3	3	18
Wellington Road 11 (Wellington Street N) (Wellington Road 8 - Mary Street)	2	1	1	2	3	2	2	2	15

Wellington Road 11 (Andrews Drive - Wellington Road 8) received a score of 18, which warranted a Community Safety Zone.

Elora & Salem (Wellington Roads 7, 18 & 21)

Table 2 provides the scoring of the County road corridors throughout Elora & Salem.

Table 9: Community Safety Zone Scoring, Elora & Salem

	Posted Speed (km/h)	Average Daily Traffic Volume	Number of Lanes (Both Directions)	Presence of Community Facilities	Presence of Sidewalks	Truck Volumes (as %)	Pedestrians Crossing (8 hrs)	Intersections / Entrances (per km)	Total Score
Wellington Road 7 (William Street - Middlebrook Road/David Street W)	2	2	1	1	3	2	1	2	14
Wellington Road 7 (Middlebrook Road/David Street W - Ross Street)	2	3	1	3	2	2	1	2	16
Wellington Road 7 (Ross Street - First Line)	2	3	1	1	3	2	3	3	18
Wellington Road 18 (Woolwich Street W) (Wellington Road 7 - James Street)	2	2	1	1	2	1	2	2	13
Wellington Road 18 (Geddes Street) (James Street - Moir Street)	2	2	1	1	2	1	3	3	15
Wellington Road 18 (Geddes Street/Metcalf Street) (Moir Street – East Mill Street)	2	2	1	1	1	1	3	3	14
Wellington Road 18 (East Mill Street) (Wellington Road 21 - Chapel Street)	3	2	1	3	2	1	2	3	17
Wellington Road 21 (Metcalf Street / McNab Street) (Wellington Road 18 - Wellington Road 7)	2	1	1	2	1	1	3	3	14

Wellington Road 7 (Ross Street - 1 Line) received a score of 18, which warranted a Community Safety Zone. A separate portion of Wellington Road 18 was found to score 17 points and also featured three categories that were deemed to be high-risk.

3.9 Fergus (Wellington Roads 18 & 19)

Table 2 provides the scoring of the County road corridors throughout Fergus.

Table 10: Community Safety Zone Scoring, Fergus

	Posted Speed (km/h)	Average Daily Traffic Volume	Number of Lanes (Both Directions)	Presence of Community Facilities	Presence of Sidewalks	Truck Volumes (as %)	Pedestrians Crossing (8 hrs)	Intersections / Entrances (per km)	Total Score
Wellington Road 18 (St Andrew Street W) (Beatty Line - Highway 6)	2	2	1	3	1	1	3	3	16
Wellington Road 18 (Belsyde Road) (Highway 6 - Orangeville Road)	3	3	1	3	1	2	3	3	19
Wellington Road 19 (Garafraxa Street) (Highway 6 - Gartshore Street)	3	1	1	1	2	1	3	2	14
Wellington Road 19 (Garafraxa Street) (Gartshore Street - Anderson Street N)	3	1	1	3	3	1	1	2	15

Wellington Road 18 (Highway 6 - Orangeville Road) received a score of 19, which warranted a Community Safety Zone.

Hillsburgh (Wellington Road 24)

Table 2 provides the scoring of the County road corridors throughout Hillsburgh.

Table 11: Community Safety Zone Scoring, Hillsburgh

	Posted Speed (km/h)	Average Daily Traffic Volume	Number of Lanes (Both Directions)	Presence of Community Facilities	Presence of Sidewalks	Truck Volumes (as %)	Pedestrians Crossing (8 hrs)	Intersections / Entrances (per km)	Total Score
Wellington Road 24 (Trafalgar Road) (Howe Street - Church Street)	3	2	1	1	3	2	1	1	14
Wellington Road 24 (Trafalgar Road) (Church Street - Jane Street)	3	2	1	3	1	2	3	3	18

Wellington Road 24 (Church Street - Jane Street) received a score of 18, which warranted a Community Safety Zone.

Erin (Wellington Road 52 & 124)

Table 2 provides the scoring of the County road corridors throughout Erin.

Table 12: Community Safety Zone Scoring, Erin

	Posted Speed (km/h)	Average Daily Traffic Volume	Number of Lanes (Both Directions)	Presence of Community Facilities	Presence of Sidewalks	Truck Volumes (as %)	Pedestrians Crossing (8 hrs)	Intersections / Entrances (per km)	Total Score
Wellington Road 124 (Main Street) (Erin Park Drive - Ross Street)	2	2	1	1	3	2	2	2	15
Wellington Road 124 (Main Street) (Ross Street - Wellington Road 52)	3	2	1	2	1	2	3	3	17
Wellington Road 52 (Wellington Road 124 - Ninth Line)	2	2	1	1	2	2	1	2	13

No road segment or corridor with Erin received a score equal to or over 18; although a portion of Wellington Road 124 was found to score 17 points and also featured three categories that were deemed to be high-risk.

Rockwood (Wellington Roads 27 & 50)

Table 2 provides the scoring of the County road corridors throughout Rockwood.

Table 13: Community Safety Zone Scoring, Rockwood

	Posted Speed (km/h)	Average Daily Traffic Volume	Number of Lanes (Both Directions)	Presence of Community Facilities	Presence of Sidewalks	Truck Volumes (as %)	Pedestrians Crossing (8 hrs)	Intersections / Entrances (per km)	Total Score
Wellington Road 27 (Main Street N) (Brebeuf Path - Gzowski Street)	3	1	1	1	2	1	1	2	12
Wellington Road 27 (Main Street N) (Gzowski Street - Highway 7)	2	1	1	1	1	1	3	3	13
Wellington Road 50 (Harris Street) (Sammon Drive - Highway 7)	2	1	1	1	2	1	1	2	11

No road segment or corridor with Rockwood received a score equal to or over 18; thus, a Community Safety Zone has not been recommended within Rockwood.

Aberfoyle (Wellington Roads 34 & 46)

Table 2 provides the scoring of the County road corridors throughout Aberfoyle.

Table 14: Community Safety Zone Scoring, Aberfoyle

	Posted Speed (km/h)	Average Daily Traffic Volume	Number of Lanes (Both Directions)	Presence of Community Facilities	Presence of Sidewalks	Truck Volumes (as %)	Pedestrians Crossing (8 hrs)	Intersections / Entrances (per km)	Total Score
Wellington Road 34 (Bull Frog Drive - Wellington Road 46)	1	2	1	1	3	2	1	2	13
Wellington Road 46 (Brock Road S) (Wellington Road 34 - Gilmour Road)	2	3	2	2	2	2	2	3	18
Wellington Road 46 (Brock Road S) (Gilmour Road - Highway 401)	1	3	2	1	3	2	1	2	15

Wellington Road 46 (Gilmour Road - Wellington Road 8) received a score of 18, which warranted a Community Safety Zone.

Morriston (Wellington Road 36)

Table 2 provides the scoring of the County road corridors throughout Morriston.

Table 15: Community Safety Zone Scoring, Morriston

	Posted Speed (km/h)	Average Daily Traffic Volume	Number of Lanes (Both Directions)	Presence of Community Facilities	Presence of Sidewalks	Truck Volumes (as %)	Pedestrians Crossing (8 hrs)	Intersections / Entrances (per km)	Total Score
Wellington Road 36 (Badenoch Street E) (Ochs Drive - Ochs Street)	2	1	1	1	3	1	1	1	11
Wellington Road 36 (Badenoch Street E) (Ochs Street - Highway 6)	2	1	1	1	1	1	2	2	11

No road segment or corridor with Morriston received a score equal to or over 18; thus, a Community Safety Zone has not been recommended within Morriston.

Summary of Corridor Analysis

Table 2 provides a summary of scoring of all County road corridors, listed with the highest to the lowest score.

Table 16: Summary of Community Safety Zone Scoring

Road Segment	Community	Total Score
Wellington Road 18 (Highway 6 - Orangeville Road)	Fergus	19
Wellington Road 123 (Wellington Road 8 - Wellington Road 5)	Palmerston	18
Wellington Road 11 (Andrews Drive - Wellington Road 8)	Drayton	18
Wellington Road 7 (Ross Street - First Line)	Elora & Salem	18
Wellington Road 24 (Church Street - Jane Street)	Hillsburgh	18
Wellington Road 46 (Wellington Road 34 - Gilmour Road)	Aberfoyle	18
Wellington Road 18 (Wellington Road 21 - Chapel Street)	Elora & Salem	17 ¹
Wellington Road 124 (Ross Street - Wellington Road 52)	Erin	17 ¹
Wellington Road 6 (Highway 6 - London Road)	Mount Forest	17 ¹
Wellington Road 7 (Middlebrook Road - Ross Street)	Elora & Salem	16
Wellington Road 18 (Beatty Line - Highway 6)	Fergus	16 ¹
Wellington Road 109 (Arthur Street W. - Raglan Street W.)	Harriston	16
Wellington Road 10 (Ball Avenue - Hilwood Drive)	Moorefield	16
Wellington Road 46 (Gilmour Road - Highway 401)	Aberfoyle	15
Wellington Road 11 (Wellington Road 8 - Mary Street)	Drayton	15
Wellington Road 18 (James Street - Moir Street)	Elora & Salem	15
Wellington Road 124 (Erin Park Drive - Ross Street)	Erin	15
Wellington Road 19 (Gartshore Street - Anderson Street)	Fergus	15 ¹
Wellington Road 6 (Highway 89 - Highway 6)	Mount Forest	15
Wellington Road 123 (Highway 23 - Wellington Road 8)	Palmerston	15
Wellington Road 14 (Tucker Street - Domville Street)	Arthur	14
Wellington Road 2 (Minto Street S. - Highway 9)	Clifford	14

¹ On these corridors scoring less than 18 points, three categories were noted as high-risk.

Road Segment	Community	Total Score
Wellington Road 18 (Moir Street - East Mill Street)	Elora & Salem	14
Wellington Road 21 (Wellington Road 18 - Wellington Road 7)	Elora & Salem	14
Wellington Road 7 (William Street - Middlebrook Road)	Elora & Salem	14
Wellington Road 19 (Highway 6 - Gartshore Street)	Fergus	14
Wellington Road 24 (Howe Street - Church Street)	Hillsburgh	14
Wellington Road 8 (Mill Lane - Toronto Street)	Palmerston	13
Wellington Road 5 (Lett Street - Wellington Road 123)	Palmerston	13
Wellington Road 34 (Bull Frog Drive - Wellington Road 46)	Aberfoyle	13
Wellington Road 8 (Drayton Industrial Drive - Wellington Road 11)	Drayton	13
Wellington Road 18 (Wellington Road 7 - James Street)	Elora & Salem	13
Wellington Road 52 (Wellington Road 124 - Ninth Line)	Erin	13
Wellington Road 109 (Raglan Street W. - Jessie Street)	Harriston	13
Wellington Road 10 (Concession Road 8 - Ball Avenue)	Moorefield	13
Wellington Road 27 (Gzowski Street - Highway 7)	Rockwood	13
Wellington Road 14 (Domville Street - Highway 6)	Arthur	13
Wellington Road 5 (Wellington Road 123 - Wellington Road 8)	Palmerston	13
Wellington Road 2 (Highway 9 – Seip Lane)	Clifford	12
Wellington Road 8 (Wellington Road 11 - John Street)	Drayton	12
Wellington Road 8 (Wellington Road 123 - Mill Lane)	Palmerston	12
Wellington Road 27 (Brebeuf Path - Gzowski Street)	Rockwood	12
Wellington Road 2 (W Heritage Street - Allan Street W.)	Clifford	11
Wellington Road 36 (Ochs Drive - Ochs Street)	Morrison	11
Wellington Road 36 (Ochs Street - Highway 6)	Morrison	11
Wellington Road 50 (Sammon Drive - Highway 7)	Rockwood	11

A total of six County road segments were found to score 18 points or higher and are recommended to introduce a Community Safety Zone. Three additional corridors were found to score 17 points, where three factors were considered high-risk. These three road segments are recommended for further review by County staff to confirm the introduction of a Community Safety Zone.

Community Safety Zone Analysis

As seen in Table 2, the following six road segments along the County road network received a score of 18 or above:

- Palmerston
 - Wellington Road 123 (Wellington Road 8 – Wellington Road 5)
- Fergus
 - Wellington Road 18 (Highway 6 - Orangeville Road)
- Drayton
 - Wellington Road 11 (Andrews Drive - Wellington Road 8)
- Elora & Salem
 - Wellington Road 7 (Ross Street - 1 Line)
- Hillsburgh
 - Wellington Road 24 (Church Street - Jane Street)
- Aberfoyle
 - Wellington Road 46 (Wellington Road 34 – Gilmour Road)

The following three road segments along the County road network were noted to have received a score of 17 and in each of these three cases, at least three criteria in the scoring were granted three points (high-risk).

- Elora & Salem
 - Wellington Road 18 (Wellington Road 21 – Chapel Street)
- Erin
 - Wellington Road 124 (Ross Street – Wellington Road 52)
- Mount Forest
 - Wellington Road 6 (Highway 6 – London Road)

The following analysis will define the exact boundaries and limits of the recommended Community Safety Zone along the six identified road segments that scored 18 points or more and the three identified road segments that scored 17 points and featured at least three categories that met the high-risk factor.

4.1	Palmerston: Wellington Road 123 from Wellington Road 8 to Wellington Road 5
4.1.1	Road Segment Context
	<ul style="list-style-type: none"> • A two-lane road with a 50 km/h posted speed limit. • A built-up central “downtown” area is found along Wellington Road 123 between Henry Street and Norman Street. This area is assumed to have high pedestrian crossing and foot traffic. • The road segment has relatively high average daily traffic volume with a significant number of truck volumes. • A high number of intersections and entrances are present along the road segment.
4.1.2	Traffic Data
	<ul style="list-style-type: none"> • Posted speed limit: 50 km/h. • Average Daily Traffic Volume: 6,384 (Recorded in 2019). • Truck Volumes (as %): 11.3%.
4.1.3	Problem Statement
	<ul style="list-style-type: none"> • Higher traffic volume and high truck volumes constitute risk to pedestrians crossing. • There are sensitive community amenities including a park and secondary school adjacent to or along the corridor.
4.1.4	Community Safety Zone Recommendation
	<ul style="list-style-type: none"> • Recommend introducing a Community Safety Zone along Wellington Road 123 from Henry Street east to York Street as this section includes all the more sensitive community amenities including the downtown limits, the park and secondary school.

Figure 1 shows the recommended limits of the Community Safety Zone along this portion of Wellington Road 123 in Palmerston.

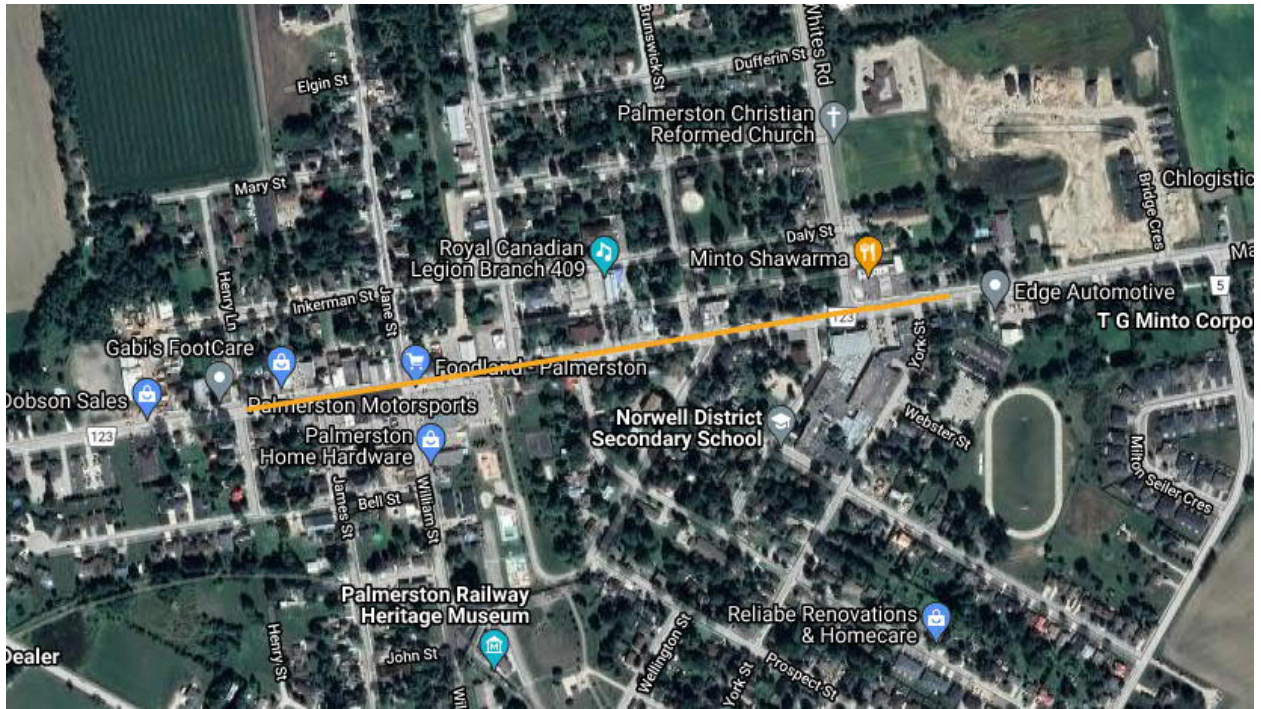


Figure 1: Recommended Community Safety Zone - Wellington Road 123, Palmerston

4.2

Fergus: Wellington Road 18 from Highway 6 to Orangeville Road

4.2.1

Road Segment Context

- Assessed separately within the Speed Management Corridor Reviews.
- A two-lane road with a 40 km/h² posted speed limit.
- A retirement community and two schools along the road segment from Highway 6 to McTavish Street, and large single-family homes and residential area from McTavish Street to Orangeville Road.
- The road segment has high average daily traffic volume with a notable percentage of truck volumes.
- High pedestrian crossing and foot traffic is assumed to be present along the road section from Highway 6 to McTavish Street.
- A high number of intersections and entrances are observed along the road segment.

4.2.2

Traffic Data

- Posted speed limit: 40 km/h
- Average Daily Traffic Volume: 11,082 (Recorded in 2019).
- Truck Volumes (as %): 7.7%

4.2.3

Problem Statement

- High traffic volume and truck volumes constitute risks to pedestrians crossing.
- There are sensitive community amenities including schools, churches and retirement lodge along the road segment.
- Lack of traffic calming and speed reduction measures in current community.

4.2.4

Community Safety Zone Recommendation

- Recommend introducing a Community Safety Zone on Wellington Road 18 between Highway 6 and McTavish Street as this road section contains all of the sensitive community amenities.
- The road section between McTavish Street and Orangeville Road are mainly rural residential community with considerably less foot traffic; thus, a Community Safety Zone is not being recommended on this road section.

² The previously developed Speed Management Corridor Reviews did recommend changes to the posted speed limit along this specific corridor (40 km/h to 50 km/h with a 'flashing when 40 km/h' speed limit fronting the elementary school).

Figure 2 shows the recommended limits of the Community Safety Zone along this portion of Wellington Road 18 in Fergus.

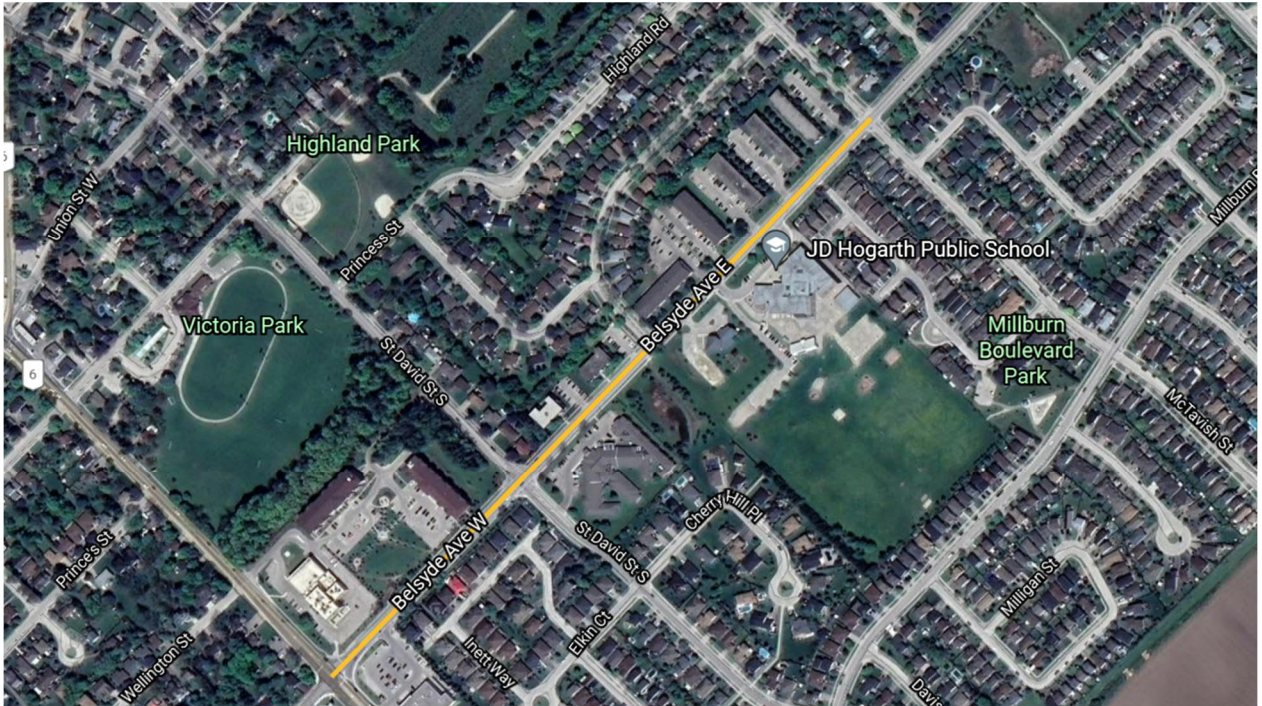


Figure 2: Recommended Community Safety Zone - Wellington Road 18, Fergus

4.3

Drayton: Wellington Road 11 from Andrews Drive to Wellington Road 8

4.3.1

Road Segment Context

- Assessed separately within the Speed Management Corridor Reviews.
- A two-lane road with a 40 km/h³ posted speed limit.
- A school, some community amenities including a supermarket, a plaza, a library and a church, as well as residential dwellings along this segment.
- The average daily traffic volume is relatively low with a medium percentage of truck volumes.
- High pedestrian crossing and foot traffic has been assumed for the road segment.
- A sidewalk is only available on one side.
- A high number of intersections and entrances are observed along the road segment.

4.3.2

Traffic Data

- Posted speed limit: 40 km/h.
- Average Daily Traffic Volume: 1,805 (Recorded in 2019).
- Truck Volumes (as %): 6.2%.

4.3.3

Problem Statement

- Traffic constitutes risk to pedestrians crossing especially around the elementary school.
- The roadway has a considerable downgrade portion towards Wellington Road 8.
- There are sensitive community amenities including a school and a church along the road segment.
- Lack of traffic calming, speed reduction measures, and sidewalk facilities along the current corridor.

4.3.4

Community Safety Zone Recommendation

- Recommend introducing a Community Safety Zone on Wellington Road 11 between Andrews Drive and Spring Street as this road section contains all of the sensitive community amenities.
- The section between Spring Street and Wellington Road 8 are mainly residential community with considerably less foot traffic; thus, a Community Safety Zone is not being recommended on this road section.

³ The previously developed Speed Management Corridor Reviews did recommend changes to the posted speed limit along this specific corridor (40 km/h to 50 km/h with a 'flashing when 40 km/h' speed limit fronting the elementary school).

Figure 3 shows the recommended limits of the Community Safety Zone along this portion of Wellington Road 11 in Drayton.

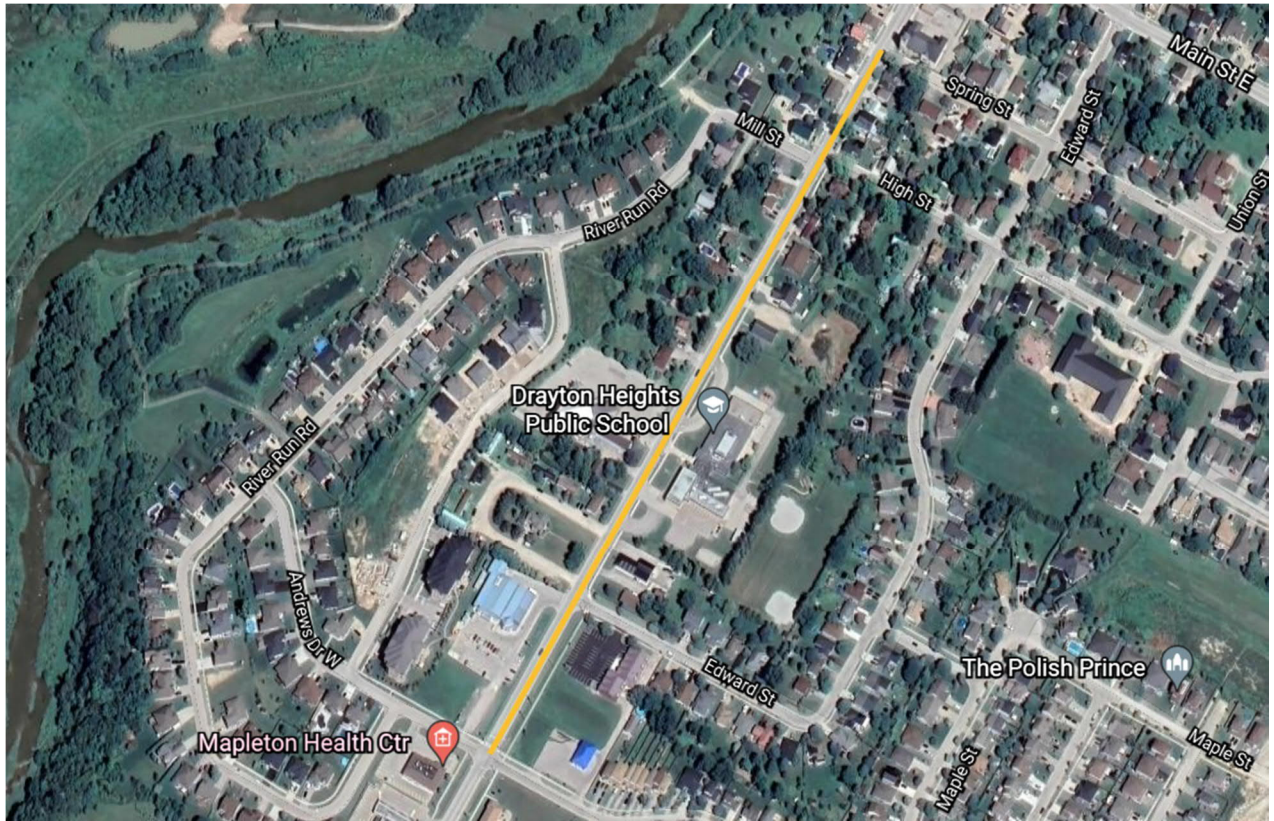


Figure 3: Recommended Community Safety Zone - Wellington Road 11, Drayton

4.4

Elora & Salem: Wellington Road 7 from Ross Street to 1 Line

4.4.1

Road Segment Context

- Assessed separately within the Speed Management Corridor Reviews.
- A 2-lane road with a 50 km/h⁴ posted speed limit.
- There are some community facilities including shops, a plaza and supermarket along this segment.
- The average daily traffic volume is high with a notable percentage of truck volumes.
- High pedestrian crossing and foot traffic is expected for the road segment in some locations
- No sidewalk on either side of the road, with generally a rural cross-section in place.
- A high number of intersections and entrances are observed along the road segment.

4.4.2

Traffic Data

- Posted speed limit: 50 km/h.
- Average Daily Traffic Volume: 11,222 (Recorded in 2019).
- Truck Volumes (as %): 6.5%.

4.4.3

Problem Statement

- Higher volumes of traffic constitutes risk to pedestrians crossing.
- There are some community amenities including shops, markets, a hotel, and a plaza along this segment.
- Lack of any urban infrastructure (curbs, sidewalks, etc.) within section.

4.4.4

Community Safety Zone Recommendation

- Recommend introducing a Community Safety Zone on the portion of Wellington Road 7 between Wellington Road 21 and Speers Road as this road section contains the major community amenities.
- The road section between Ross Street and Wellington Road 21 and between Speers Road and 1 Line are mainly rural residential community or agricultural farmland with considerably less foot traffic and/or driveway accesses and intersections; thus, a Community Safety Zone is not being recommended on these road sections.

⁴ The previously developed Speed Management Corridor Reviews did recommend changes to the posted speed limit along this specific corridor (50 km/h to 60 km/h).

Figure 4 shows the recommended limits of the Community Safety Zone along this portion of Wellington Road 7 in Elora & Salem.

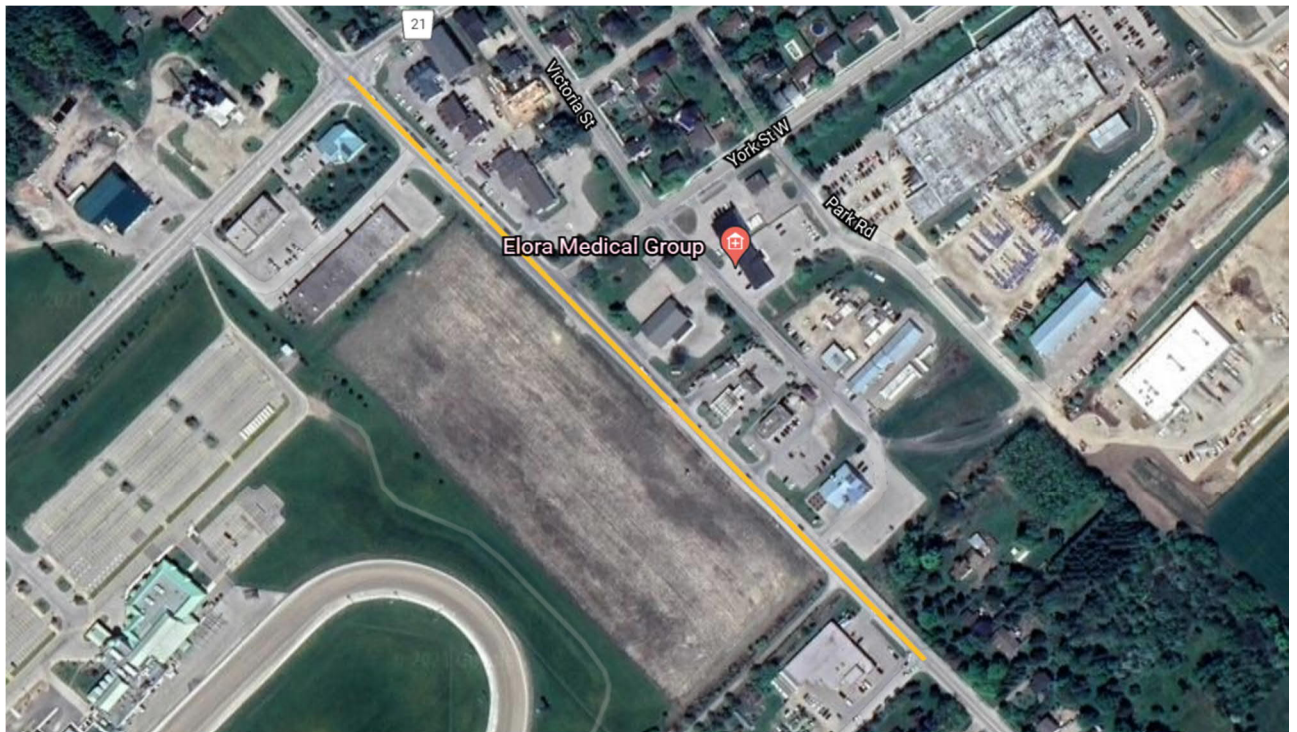


Figure 4: Recommended Community Safety Zone - Wellington Road 7, Elora & Salem

4.5.1

Road Segment Context

- Assessed separately within the Speed Management Corridor Reviews.
- A two-lane road with a 40 km/h⁵ posted speed limit.
- There is a school and some community facilities including shops, plaza, an elementary school and a supermarket along the road segment.
- The road segment has some community “main street” elements.
- The average daily traffic volume is medium level with a medium percentage of truck volumes.
- High pedestrian crossing and foot traffic has been assumed for the road segment.
- A high number of intersections and entrances are observed along the road segment.

4.5.2

Traffic Data

- Posted speed limit: 40 km/h.
- Average Daily Traffic Volume: 5,587 (Recorded in 2019).
- Truck Volumes (as %): 8.2%.

4.5.3

Problem Statement

- Traffic volumes constitutes risk to pedestrians crossing.
- There is a school and some community amenities including shops, markets, and a plaza along the corridor.
- Considerable downgrade for vehicles entering Hillsburgh from the north.
- Lack of traffic calming, speed reduction measures, and pedestrians crossing facilities along the corridor.

4.5.4

Community Safety Zone Recommendation

- Recommend introducing a Community Safety Zone on Wellington Road 24 between Church Street and Station Street as this road section contains the majority of the community amenities and has the most pedestrian traffic.
- The road section between Station Street and Jane Street are mainly rural residential community or green space with considerably less foot traffic. Alternative road safety measures were recommended surrounding the elementary school as part of the Speed Management Corridor Reviews. Thus, a Community Safety Zone is not being recommended on this road section.

⁵ The previously developed Speed Management Corridor Reviews did recommend changes to the posted speed limit along this specific corridor (40 km/h to 50 km/h).

Figure 5 shows the recommended limits of the Community Safety Zone along this portion of Wellington Road 124 in Hillsburgh.

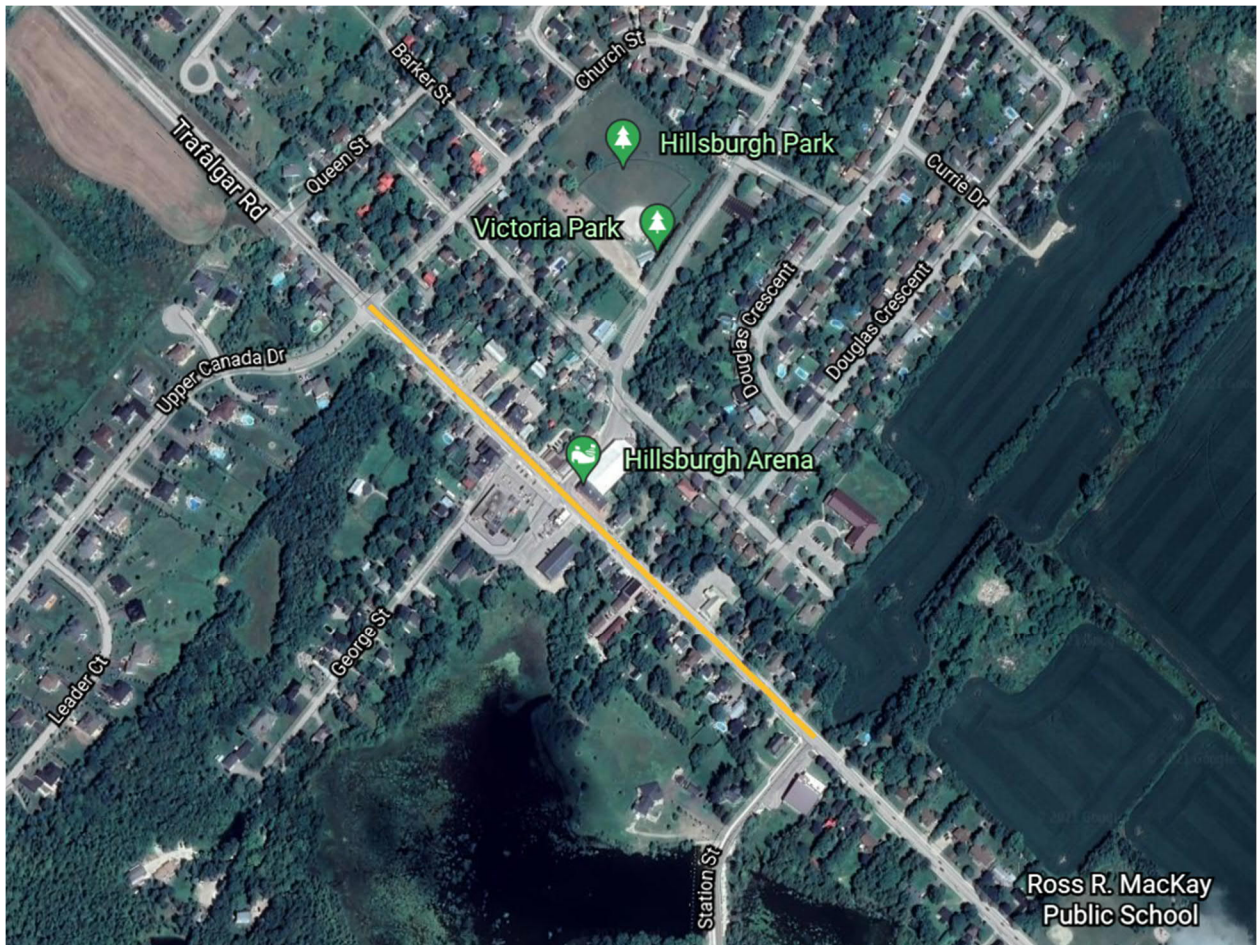


Figure 5: Recommended Community Safety Zone - Wellington Road 24, Hillsburgh

4.6

Aberfoyle: Wellington Road 46 from Wellington Road 34 to Gilmour Drive

4.6.1

Road Segment Context

- A four-lane road with a 50 km/h posted speed limit.
- One of the primary access routes between Highway 401 and the City of Guelph.
- The average daily traffic volume is high with a medium percentage of truck volumes.
- High pedestrian crossing and foot traffic has been assumed for the road segment.
- A crossing guard is present at the Wellington Road 46 and Old Brock Road.

4.6.2

Traffic Data

- Posted speed limit: 50 km/h.
- Average Daily Traffic Volume: 19,393 (Recorded in 2018).
- Truck Volumes (as %): 5.0%.

4.6.3

Problem Statement

- Four lane corridor with high daily traffic volumes and moderate truck traffic.
- Anticipated high number of pedestrians crossing Wellington Road 46 at Old Brock Road traffic signal.

4.6.4

Community Safety Zone Recommendation

- Recommend introducing a Community Safety Zone on Wellington Road 46 through Aberfoyle. The limits of this zone are recommended to be between 225 metres north of Old Brock Road to 300 metres south of Old Brock Road.

Figure 6 shows the recommended limits of the Community Safety Zone along this portion of Wellington Road 46 in Aberfoyle.

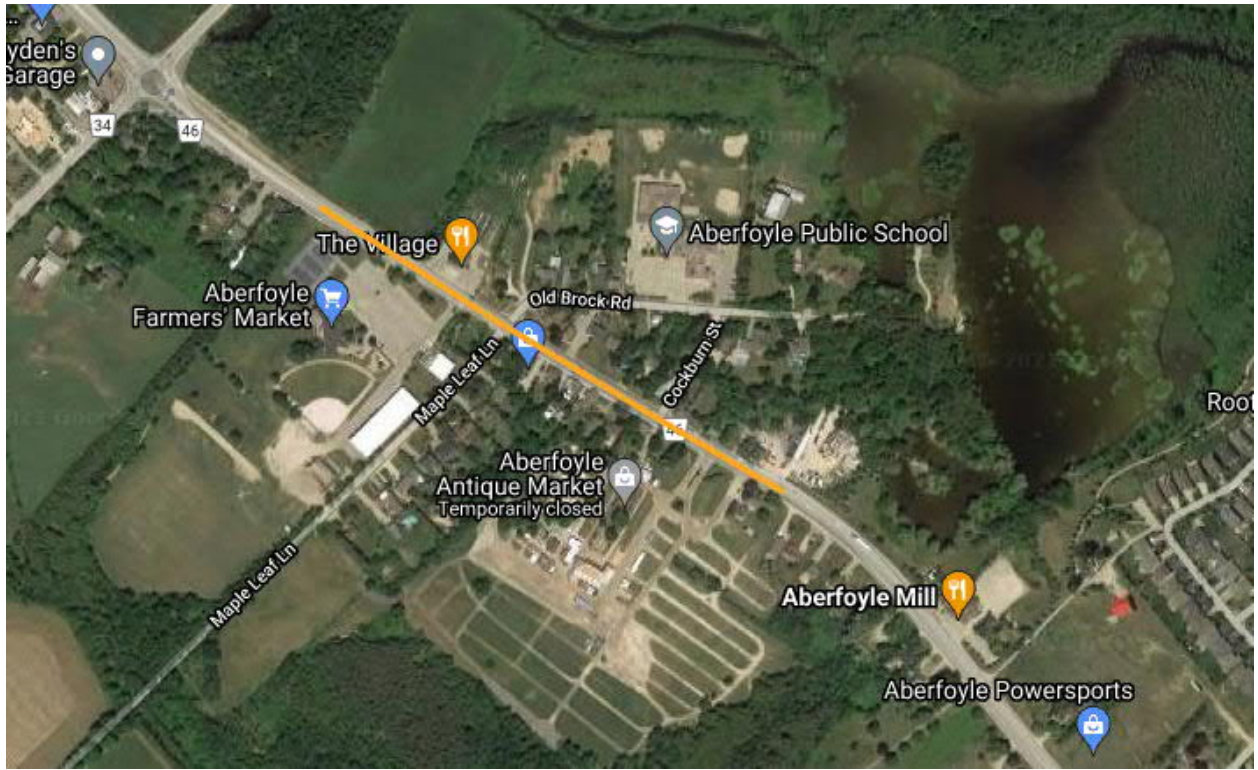


Figure 6: Recommended Community Safety Zone, Wellington Road 46 - Aberfoyle

4.7**Elora & Salem: Wellington Road 18 from Wellington Road 21 to Chapel Street****4.7.1****Road Segment Context**

- A two-lane road with a 40 km/h posted speed limit.
- A sidewalk on the north side of the corridor only.
- One of the primary County road corridors between Elora and Fergus.
- Presence of Elora Public School and the Elora Quarry Conservation Area along the easterly limits of the corridor.
- Connects to Wellington Road 21 near downtown Elora.

4.7.2**Traffic Data**

- Posted speed limit: 40 km/h.
- Average Daily Traffic Volume: 8,449 (Recorded in 2019).
- Truck Volumes (as %): 0.8%.

4.7.3**Problem Statement**

- Presence of Elora Public School and the Elora Quarry Conservation Area along the corridor.

4.7.4**Community Safety Zone Recommendation**

- Recommend introducing a Community Safety Zone on a portion of Wellington Road 18 fronting the Elora Public School and the Elora Quarry Conservation Area. The limits of this zone are recommended to be between Chapel Street and Kertland Street.

Figure 7 shows the recommended limits of the Community Safety Zone along this portion of Wellington Road 18 in Elora.

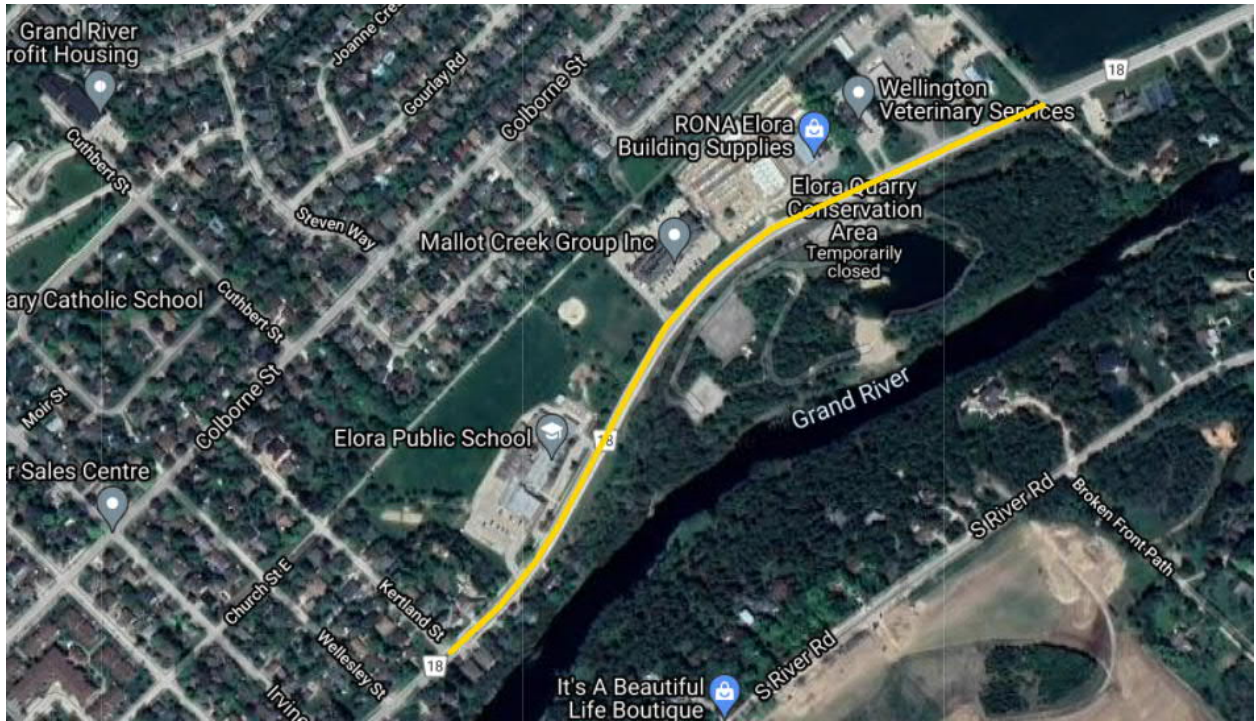


Figure 7: Recommended Community Safety Zone, Wellington Road 18 - Elora

4.8.1 Road Segment Context

- A two-lane road with a 40 km/h posted speed limit.
- Former Highway 24 and the primary route between Guelph and Orangeville.
- The average daily traffic volume is relatively high with a medium percentage of truck volumes.
- High pedestrian crossing and foot traffic has been assumed for the road segment.
- The Wellington Road 124 corridor travels through central Erin.

4.8.2 Traffic Data

- Posted speed limit: 40 km/h⁶.
- Average Daily Traffic Volume: 9,392 (Recorded in 2018).
- Truck Volumes (as %): 5.0%.

4.8.3 Problem Statement

- Traffic volumes constitutes risk to pedestrians crossing.
- There are some community amenities including shops, markets, and a plaza along the corridor.

4.8.4 Community Safety Zone Recommendation

- Recommend introducing a Community Safety Zone on a portion of Wellington Road 124 within downtown Elora. The limits of this zone are recommended to be between East Church Street and Millwood Road.

⁶ The previously developed Speed Management Corridor Reviews did recommend changes to the posted speed limit along this specific corridor (40 km/h to 50 km/h outside of downtown Erin, retention of 40 km/h within downtown Erin).

Figure 8 shows the recommended limits of the Community Safety Zone along this portion of Wellington Road 124 in Erin.

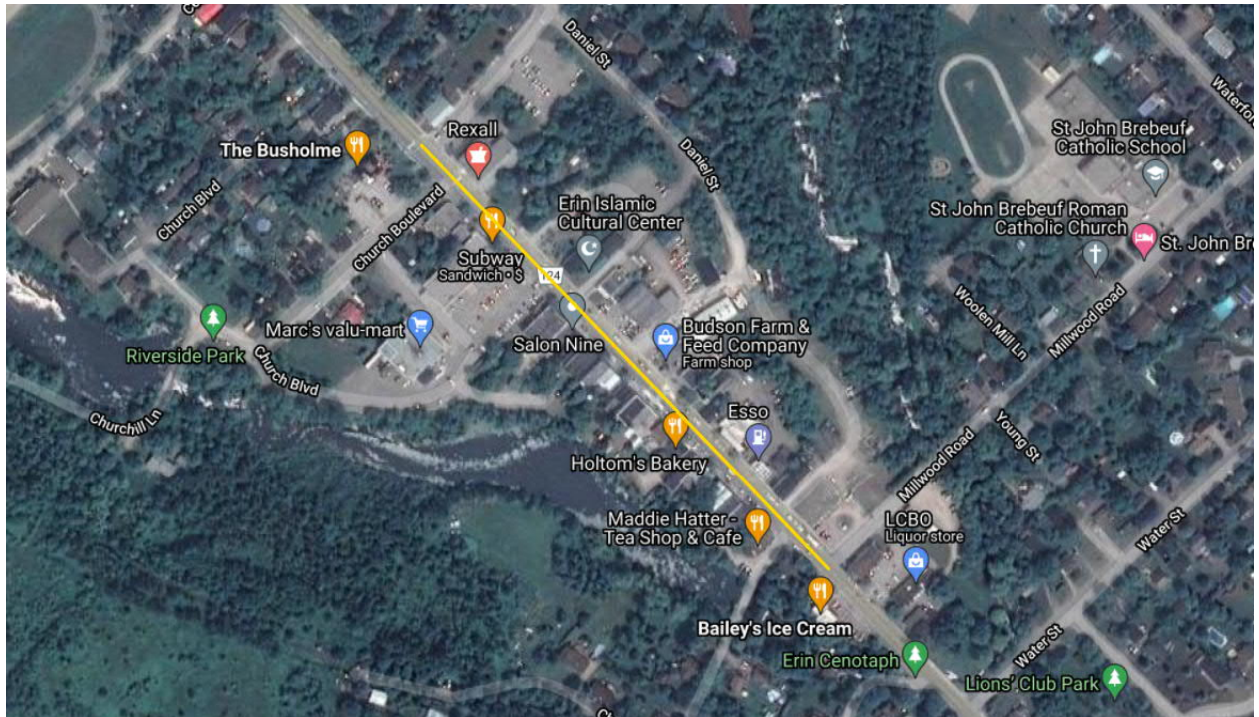


Figure 8: Recommended Community Safety Zone, Wellington Road 124 - Erin

4.9

Mount Forest: Wellington Road 6 from Highway 6 to London Road

4.9.1

Road Segment Context

- A two-lane road with a 50 km/h speed limit.
- A sidewalk on the south side of the road only.
- Wellington Heights High School is present along the corridor.
- A pedestrian signal is found at the Wellington Road 6 and Church Street intersection.

4.9.2

Traffic Data

- Posted speed limit: 50 km/h.
- Average Daily Traffic Volume: 2,095 (Recorded in 2017).
- Truck Volumes (as %): 6.0%.

4.9.3

Problem Statement

- Presence of Wellington Heights High School along the corridor.
- High number of pedestrians crossing the corridor.

4.9.4

Community Safety Zone Recommendation

- Recommend introducing a Community Safety Zone on a portion of Wellington Road 6 fronting Wellington Heights High School.

Figure 9 shows the recommended limits of the Community Safety Zone along this portion of Wellington Road 6 in Mount Forest.

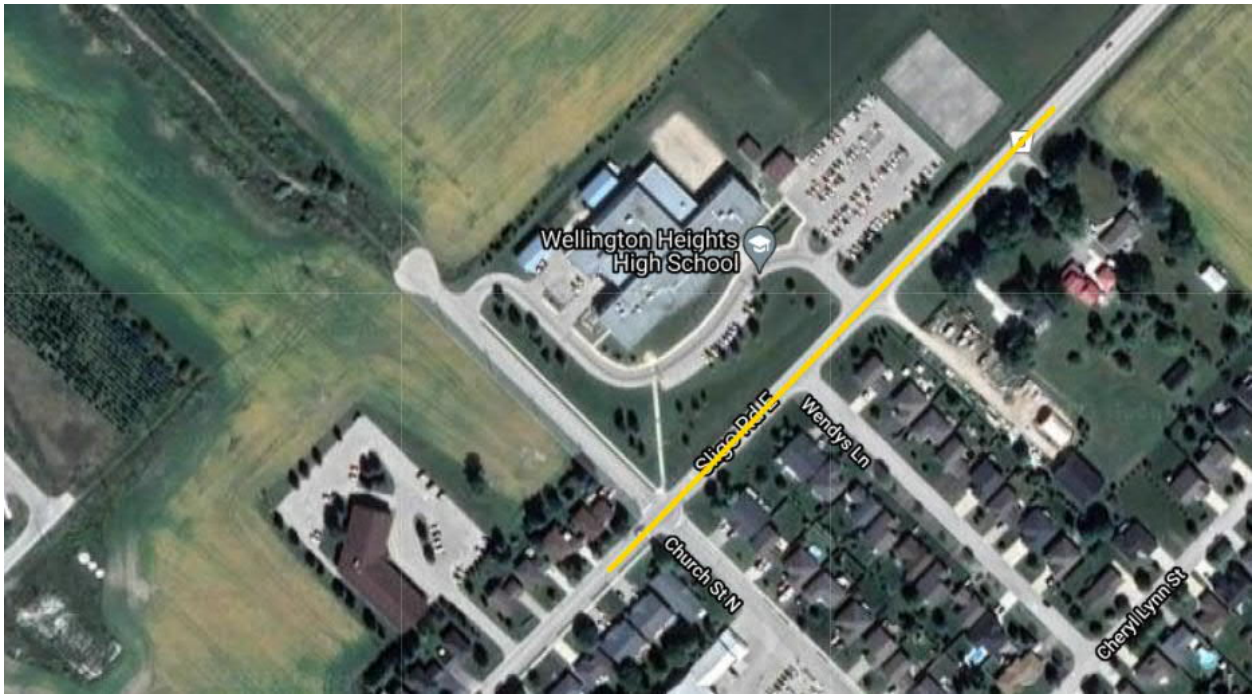


Figure 9: Recommended Community Safety Zone, Wellington Road 6 - Mount Forest

Conclusions

In summary, the following six road sections within the County of Wellington's road network scored at least 18 points and are thereby recommended to be designated as a Community Safety Zone.

- Palmerston
 - Wellington Road 123 (Wellington Road 8 – Wellington Road 5)
- Fergus
 - Wellington Road 18 between Highway 6 and McTavish Street
- Drayton
 - Wellington Road 11 between Andrews Drive and Spring Street
- Elora & Salem
 - Wellington Road 7 between Wellington Road 21 and Speers Road
- Hillsburgh
 - Wellington Road 24 between Church Street and Station Street
- Aberfoyle
 - Wellington Road 46 (Wellington Road 34 – Gilmour Road).

Three road sections were found to score 17 points (one point under the required threshold of 18 points). However, in the case of each of these three corridors, at least three factors were found to score three points each (high-risk). These three road segments are recommended for further review by County staff to confirm their designation as a Community Safety Zone. These three corridors are:

- Elora & Salem
 - Wellington Road 18 (Wellington Road 21 – Chapel Street)
- Erin
 - Wellington Road 124 (Ross Street – Wellington Road 52)
- Mount Forest
 - Wellington Road 6 (Highway 6 – London Road).

The identified nine road sections require drivers and motorists to pay special attention because of potentially higher number of pedestrian traffic and/or the presence of sensitive community amenities, such as schools, places of worship, parks, and/or retirement communities. Community safety risks are found to be considerably higher along these nine road sections, and thus it is recommended to establish a Community Safety Zone in protecting residents' and stakeholders' health and safety.