



County of Huron

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Corporation Of The County of Huron

To: County Council

From: Tim Ryan - Traffic Technologist

Date: August 14, 2024

Subject: Speed Limit By-Law Amendment

Recommendation:

Recommended Motion:

That:

The Council of the County of Huron receives the report by Tim Ryan, Traffic Technologist dated August 14, 2024, titled Speed Limit By-Law Amendment, as submitted;

And further that:

The Council of the County of Huron approves the adjustments to posted speed zones as listed in this report;

And further that:

A by-law be prepared to amend By-law 2023-086, a By-law of the Corporation of the County of Huron to authorize speed limits to reflect this change.

Background:

The Public Works Department reviews posted speed limits as concerns are identified and is recommending an amendment to By-Law 2023-086 in various locations throughout the County.

In most cases, recommended changes to the County's speed limit by-law are to help align posted speeds with residential/commercial properties that have, over time, developed outward from towns and hamlets. Adjustments may also be recommended to improve intersection safety and help with traffic calming through and coming into settlement or built up areas.

The Ontario Traffic Manual Book 5 recommends speed zone lengths of no less than 500m and that transitional speed limits should be used in 20km/h intervals.

Comments:

The changes identified in this report represent reviews that have been undertaken at several locations. Installations of signage to align with approved changes to the Speed Limit By-law will be undertaken if Huron County Council approves the recommendations by Public Works staff.

County Road 1 (Benmiller Line/ Lucknow Line)

Speed limits and transitions have been reviewed and are recommended to be adjusted as listed in the table below. It includes the introduction of a 70km/h zone on each end of Benmiller on County Road 1 to eliminate the 40km/h posted speed reduction. A 70km/h zone is also recommended on each side of Dungannon to eliminate the 40km/h posted speed reduction. Note: Bolded areas are the zones being added/changed.

MAXIMUM RATE OF SPEED - KILOMETRES PER HOUR (km/h)			
County	Posted Speed (km/h)	From	To
1	90	North-east limit of Highway 8	1380 metres south of County Road 31 centre line
1	70	1380 metres south of County Road 31 centre line	880 metres south of County Road 31 centre line
1	50	880 metres south of County Road 31 centre line	County Road 31 south limit
1	70	County Road 31 north limit	500 metres north of County Road 31 north limit
1	90	500 metres north of County Road 31 centre line	265 metres south of County Road 25
1	60	265 metres south of County Road 25	County Road 25
1	60	County Road 25	280 metres north of County Road 25
1	90	280 metres north of County Road 25	933 metres south of the centre line of Dungannon Road
1	70	933 metres south of the centre line of Dungannon Road	423 metres south of the centre line of Dungannon Road
1	50	423 metres south of the centre line of Dungannon Road	345 metres north of the centre line of Dungannon Road

1	70	345 metres north of the centre line of Dungannon Road	845 metres north of the centre line of Dungannon Road
1	90	845 metres north of the centre line of Dungannon Road	602 metres north of the centre line of Zion Road
1	70	602 metres north of the centre line of Zion Road	1754 metres north of the centre line of Zion Road
1	50	1754 metres north of the centre line of Zion Road	Huron County - Bruce County Boundary

County Road 2 (Goshen Line/ Bronson Line)

Speed limits and transitions have been reviewed and are recommended to be adjusted as listed in the table below. It includes the introduction of a 70km/h zone on the south end of Dashwood. The transition zone will look to calm traffic speeds down coming into the urban area. Note: Bolded areas are the zones being added/changed.

2	50	County Road 5 north limit	330 metres north of County Road 5 north limit
2	70	330 metres north of County Road 5 north limit	550 metres north of County Road 5 north limit
2	90	550 metres north of County Road 5 north limit	1265 metres south of the centre line of County Road 83
2	70	1265 metres south of the centre line of County Road 83	665 metres south of the centre line of County Road 83
2	50	665 metres south of the centre line of County Road 83	County Road 83 south limit
2	90	County Road 83 north limit	800 metres south of the South Limit of County Road 84
2	70	800 metres south of the South Limit of County Road 84	400 metres south of the South Limit of County Road 84
2	50	400 metres south of the South Limit of County Road 84	County Road 84 south limit

County Road 11 (Hern Line)

Speed limits and transitions have been reviewed and are recommended to be adjusted as listed in the table below. It includes the introduction of a 70km/h zone on the north and south ends of Winchelsea. The transition zones will look to calm traffic speeds down coming into the urban areas. A 50km/h speed zone is recommended due to complaints from residents and a recently reviewed accident history. Note: Bolded areas are the zones being added/changed.

11	90	Huron County - Middlesex County boundary	1000 metres south of County Road 6 centre line
11	70	1000 metres south of County Road 6 centre line	500 metres south of County Road 6 centre line
11	50	500 metres south of County Road 6 centre line	500 metres north of County Road 6 centre line
11	70	500 metres north of County Road 6 centre line	1000 metres north of County Road 6 centre line
11	90	1000 metres north of County Road 6 centre line	County Road 83 south limit
11	80	County Road 83 North Limit	Huron County - Perth County boundary

County Road 12 (Kippen Road/ North Line)

Speed limits and transitions have been reviewed and are recommended to be adjusted as listed in the table below. It includes the introduction of a 70 km/h zone east of Kippen, south of Brussels, and south of Belmore to eliminate the 40km/h posted speed reductions. A 70km/h zone is also recommended north of Walton due to speed issues entering and exiting urban limits. Note: Bolded areas are the zones being added/changed.

12	50	Highway 4 east limits	325 metres east of Highway 4 centre line
12	70	325 metres east of Highway 4 centre line	860 metres east of Highway 4 centre line
12	90	860 metres east of Highway 4 centre line	950 metres south of the south limit of County Road 3
12	70	950 metres south of the south limit of County Road 3	260 metres south of the south limit of County Road 3
12	50	260 metres south of the south limit of County Road 3	950 metres south of the south limit of Hydro Line Road
12	70	950 metres south of the south limit of Hydro Line Road	440 metres south of the south limit of Hydro Line Road
12	90	440 metres south of the south limit of Hydro Line Road	460 metres south of the centre line of County Road 17
12	60	460 metres south of the centre line of County Road 17	300 metres north of the centre line of County Road 17
12	90	300 metres north of the centre line of County Road 17	County Road 25 South Limit
12	50	County Road 25 North Limit	350 metres north of County Road 25 north limits

12	60	350 metres north of County Road 25 north limits	140 metres north of the Walton Road centre line
12	70	140 metres north of the Walton Road centre line	640 metres north of the Walton Road centre line
12	90	640 metres north of the Walton Road centre line	200 metres north of the north limit of Cranbrook Road
12	70	200 metres north of the north limit of Cranbrook Road	780 metres north of the north limit of Cranbrook Road
12	50	780 metres north of the north limit of Cranbrook Road	1173 metres south of the centre line of Brandon Road
12	70	1173 metres south of the centre line of Brandon Road	673 metres south of the centre line of Brandon Road
12	90	673 metres south of the centre line of Brandon Road	County Road 86 south limits
12	90	County Road 86 north limits	1050 metres south of the south limit of County Road 87
12	60	1050 metres south of the south limit of County Road 87	County Road 87 south limits
12	60	County Road 87 north limits	840 metres north of the north limit of County Road 87
12	90	840 metres north of the north limit of County Road 87	1130 metres south of the centre line of Huron-Bruce Road
12	70	1130 metres south of the centre line of Huron-Bruce Road	630 metres south of the centre line of Huron-Bruce Road
12	50	630 metres south of the centre line of Huron-Bruce Road	Huron County - Bruce County Boundary

County Road 13 (Bayfield Road)

Speed limits and transitions have been reviewed and are recommended to be adjusted as listed in the table below. It includes the introduction of a 70km/h zone to eliminate the 40km/h speed change west of Clinton. Note: Bolded areas are the zones being added/changed.

13	90	Highway 21 east limits	485 metres west of Telephone Road centre line
13	70	485 metres west of Telephone Road centre line	15 metres east of Telephone Road centre line
13	50	15 metres east of Telephone Road centre line	Western Limit of Victoria Street, Clinton

County Road 16 (Morris Road)

Speed limits and transitions have been reviewed and are recommended to be adjusted as listed in the table below. It includes the introduction of a 70km/h zone to eliminate the 40km/h speed change on the east and west ends of Brussels. Note: Bolded areas are the zones being added/changed.

16	90	County Road 4 east limit	810 metres east of the centre line of Nichol Line
16	70	810 metres east of the centre line of Nichol Line	1310 metres east of the centre line of Nichol Line
16	50	1310 metres east of the centre line of Nichol Line	700 metres east of the centre line of County road 12
16	70	700 metres east of the centre line of County road 12	1200 metres east of the centre line of County road 12
16	90	1200 metres east of the centre line of County road 12	Huron County - Perth County Boundary

County Road 18 (Cutline Road)

Speed limits and transitions have been reviewed and are recommended to be adjusted as listed in the table below. It includes the introduction of a 70km/h zone to eliminate the 40km/h speed change west of Holmesville. Note: Bolded areas are the zones being added/changed.

18	90	Highway 21 east Limit	685 metres east of the centre line of Tipperary Line
18	70	685 metres east of the centre line of Tipperary Line	1185 metres east of the centre line of Tipperary Line
18	50	1185 metres east of the centre line of Tipperary Line	County Road 31 west limit

County Road 19 (Ethel Line)

Speed limits and transitions have been reviewed and are recommended to be adjusted as listed in the table below. It includes the introduction of a 70km/h zone to slow traffic

approaching the Ethel school and eliminate the 40km/h speed change south of Ethel. Note: Bolded areas are the zones being added/changed.

19	90	County Road 25 north limit	County Road 16 south limit
19	90	County Road 16 North Limit	1170 metres south of Brandon Road centre line
19	70	1170 metres south of Brandon Road centre line	550 metres south of Brandon Road centre line
19	50	550 metres south of Brandon Road centre line	500 metres east of Ethel Line east limit
19	70	500 metres east of Ethel Line east limit	1690 metres south of Cardiff Road south limit
19	90	1690 metres south of Cardiff Road south limit	County Road 86 south limit

County Road 20 (Belgrave Road)

Speed limits and transitions have been reviewed and are recommended to be adjusted as listed in the table below. It includes the reduction of the 60km/h zone to a 50km/h and shortening its existing length with the introduction of a 70km/h zone to eliminate the 40km/h speed change west of Belgrave. The Public School no longer exists and was taken into consideration when reviewing the speed zone lengths. Note: Bolded areas are the zones being added/changed.

20	90	Highway 21 east limit	1100 metres west of the County Road 1 west limit
20	70	1100 metres west of the County Road 1 west limit	600 metres west of the County Road 1 west limit
20	50	600 metres west of the County Road 1 west limit	County Road 1 west limit
20	90	County Road 1 east limit	County Road 22 west limit
20	90	County Road 22 east limit	920 metres west of the of County Road 4 west limit
20	70	920 metres west of the of County Road 4 centre line	382 metres west of the of County Road 4 centre line
20	50	382 metres west of the of County Road 4 centre line	County Road 4 west limit

County Road 28 (Gorrie Line)

Speed limits and transitions have been reviewed and are recommended to be adjusted as listed in the table below. It includes the introduction of a 70km/h zone to eliminate the 40km/h speed change south of Gorrie. Note: Bolded areas are the zones being added/changed.

28	80	County Road 34 north limit	1000 metres south of Creamery Road south limit
28	90	1000 metres south of Creamery Road south limit	400 metres north of Gough Road centre line
28	70	400 metres north of Gough Road centre line	900 metres north of Gough Road centre line
28	50	900 metres north of Gough Road centre line	County Road 87 south limit
28	90	County Road 87 north limit	County Road 7 south limit
28	90	County Road 7 north limit	Huron County - Bruce County Boundary

County Road 30 (Gorrie Line)

Speed limits and transitions have been reviewed and are recommended to be adjusted as listed in the table below. It includes the introduction of a 70km/h zone to eliminate the 40km/h speed change south of Fordwich and west of Clifford. Note: Bolded areas are the zones being added/changed.

30	90	County Road 34 north limit	576 metres north of Spencetown Road centre line
30	70	576 metres north of Spencetown Road centre line	1076 metres north of Spencetown Road centre line
30	50	1076 metres north of Spencetown Road centre line	1000 metres south of County Road 87 south limit
30	90	1000 metres south of County Road 87 south limit	County Road 87 south limit
30	90	County Road 87 north limit	564 metres west of the centre line of West Heritage Street

30	70	564 metres west of the centre line of West Heritage Street	64 metres west of the centre line of West Heritage Street
30	50	64 metres west of the centre line of West Heritage Street	Huron County - Wellington County Boundary

County Road 31 (Saltford Road/ Londesborough Road)

Speed limits and transitions have been reviewed and are recommended to be adjusted as listed in the table below. It includes the introduction of a 70km/h zone to eliminate the 40km/h speed change east of Benmiller. The existing 60km/h speed zone in Saltford is recommended to be reduced to 50km/h due to speed concerns and its increased development density. Note: Bolded areas are the zones being added/changed.

31	90	County Road 84 north limit	540 metres south of County Road 3 south limit
31	70	540 metres south of County Road 3 south limit	340 metres south of County Road 3 south limit
31	50	340 metres south of County Road 3 south limit	370 metres north of County Road 3 north limit
31	70	370 metres north of County Road 3 north limit	570 metres north of County Road 3 north limit
31	90	570 metres north of County Road 3 north limit	780 metres south of County Road 18
31	70	780 metres south of County Road 18	580 metres south of County Road 18
31	50	580 metres south of County Road 18	Highway 8 south limit
31	70	Highway 8 north limit	2,700 metres north of Highway 8
31	90	2,700 metres north of Highway 8	County Road 15 south limit
31	90	Sharpes Creek Line east limit	375 metres east of Cherrydale road centre line
31	70	375 metres east of Cherrydale road centre line	125 metres west of Cherrydale road centre line
31	50	125 metres west of Cherrydale road centre line	100 metres west of Falls Reserve Line
31	80	100 metres west of Falls Reserve Line	Saltford Road east limit
31	80	Londesboro Road south limit	85 meters east of Westmount Line centre line
31	50	85 meters east of Westmount Line centre line	Highway 21 east limit

County Road 84 (Zurich Road)

Speed limits and transitions have been reviewed and are recommended to be adjusted as listed in the table below. It includes the introduction of a 70km/h zone to eliminate the 40km/h speed change east of Saint Josephs. An extension of the existing 50km/h speed zone west of Zurich is recommended from a request brought forward by the Municipality of Bluewater Staff as well as Bluewater Rest Home. Note: Bolded areas are the zones being added/changed.

84	50	Highway 21 east limit	520 metres east of Highway 21 east limit
84	70	520 metres east of Highway 21 east limit	1345 metres east of Highway 21 east limit
84	90	1345 metres east of Highway 21 east limit	380 metres east of Bronson Line east limit
84	70	380 metres east of Bronson Line east limit	880 metres east of Bronson Line east limit
84	50	880 metres east of Bronson Line east limit	750 metres east of the centre line of Goshen Line
84	70	750 metres east of the centre line of Goshen Line	1.1 Kilometres east of the centre line of Goshen Line
84	90	1.1 Kilometres east of the centre line of Goshen Line	685 metres east of Airport Line east limit
84	70	685 metres east of Airport Line east limit	860 metres east of Airport Line east limit
84	50	860 metres east of Airport Line east limit	Highway 4 west limit

Others Consulted:

Imran Khalid, P.Eng, Director of Public Works

Andrew Maver, Manager of Public Works

Wyatt Carey, Project Manager - Roads

Robbie McClure, Zurich Patrol Supervisor

Jeremy Sallows, Auburn Patrol Supervisor

Rick Poels, Zurich Patrol Supervisor

Dave Jacklin, Traffic Technician

Financial Impacts:

Work to be completed by Public Works staff as time and weather conditions permit under

existing operating budgets.

Attachments: