



## **OPERATIONS COMMITTEE**

**Monday, November 8, 2021**

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An electronic meeting of the Operations Committee was held on Monday, November 8, 2021 at 9:30 a.m.

Present were:                      Chair Tom Peckett  
   Vice-Chair David Bennett  
   Councillor Brian Hunt  
   Councillor Sheldon Keller  
   Councillor Daniel Lynch  
   Councillor Janice Tiedje

Regrets:                              Warden Debbie Robinson

Staff Present:                      Paul Moreau, Chief Administrative Officer/Clerk  
   Lee Perkins, Director of Public Works and Engineering  
   Mike Blackmore, Director of Long-Term Care  
   Jeffrey Foss, Director of Corporate Services  
   Craig Kelley, Director of Development and Property  
   Richard Bolduc, Manager of Operations  
   Rosalyn Gruntz, Deputy Clerk  
   Evelyn VanStarkenburger, Administrative Assistant

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Chair Peckett called the meeting to order at 9:32 a.m. The Chair recited the land acknowledgement, identifying that the meeting was being held on the traditional territory of the Algonquin People. The roll was called, and no pecuniary interests were disclosed.

**RESOLUTION NO. OP-C-21-11-133**

Moved by Councillor Tiedje

Seconded by Councillor Lynch

THAT the minutes of the October 12, 2021 meeting be approved. CARRIED.

**Public Works and Engineering**

Mr. Perkins overviewed the Public Works and Engineering Department Report which is attached as Appendix A.

Committee was advised that the financial information for the secondment of the Director of Public Works and Engineering to the Township of Admaston/Bromley will be included in the financial reports provided in January 2022.

Discussion occurred with regards to the proposed roundabouts on County Road 51 and Committee was advised that County Council approved the funding to proceed with the design and Environmental Assessment. Finalized designs will provide the County of Renfrew with tangible projects when approaching the Provincial and Federal Governments with a request for funding. There is no funding approval to move forward with the actual construction of this project.

**Infrastructure Division**

Mr. Perkins overviewed the Infrastructure Division Report, which is part of the Public Works and Engineering Department Report.

Mr. Perkins advised that staff are looking to schedule a Committee road tour in 2022 to show the structures that are scheduled during the year for rehabilitation.

Committee was advised that staff continue to work on a solution for the County Structure B234 (Coles Creek Bridge) located on County Road 512 (Queen Street) in Township of Killaloe, Hagarty and Richards.

It was noted that the projected cost for C099 (Colton Creek Bridge) is significantly overbudget due to the project being considerably larger than originally anticipated. The original design was based on a like-for-like steel culvert replacement which would have a 20- to 25-year life span. Due to safety concerns, a decision was made to replace the culvert with a concrete culvert which will have a 75-year lifespan.

Staff advised Committee that future Request for Proposals for structural detailed designs will be issued closer to the project date to provide a more accurate costing.

**RESOLUTION NO. OP-C-21-11-134**

Moved by Councillor Keller

Seconded by Councillor Bennett

THAT the Operations Committee recommend that County Council adopt a By-law to change the speed limit on County Road 62 (Combermere Road) from 80 kph to 70 kph between Lakeshore Drive and 500 metres south of Blueberry Point Lane; AND FURTHER THAT By-law 103-21 to Authorize Speed Limits be repealed.

CARRIED.

**Operations Division**

Mr. Bolduc overviewed the Operations Division Report, which is part of the Public Works and Engineering Department Report.

**RESOLUTION NO. OP-C-21-11-135**

Moved by Councillor Tiedje

Seconded by Councillor Lynch

THAT the Public Works and Engineering Department Report attached as Appendix A be approved. CARRIED.

**New Business**

**Cost Sharing and Growth Related Policies**

Committee was advised that County Councillors and Municipal Chief Administrative Officers received a package by email on the Cost Sharing and Growth Related Policies with a request to have comments back to the County in January 2022. It was noted that staff preference is to move forward with the Cost Sharing model; however, staff will review all comments that are received and reassess. A recommendation will be brought forward to Operations Committee in February 2022.

Committee was advised that the Terms of Reference for the Operations Committee is to review policies and that any financial implications are brought forward to the Finance and Administration Committee. The County of Renfrew has not participated in any program under the Development Charges Act and staff

would need to research what the requirements would be to implement a Development Charges Policy.

**RESOLUTION NO. OP-C-21-11-136**

Moved by Councillor Lynch

Seconded by Councillor Hunt

THAT County staff be directed to consult and contact the local municipalities to collect information and financial projections with respect to growth in each community as part of the process of establishing future funding for County infrastructure over the next 10 years. CARRIED.

**RESOLUTION NO. OP-C-21-11-137**

Moved by Councillor Tiedje

Seconded by Councillor Hunt

THAT this meeting adjourn and the next regular meeting be held at the call of the Chair. Time: 10:30 a.m. CARRIED.

**COUNTY OF RENFREW**

**PUBLIC WORKS AND ENGINEERING DEPARTMENT REPORT**

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**TO:** Operations Committee

**FROM:** Lee Perkins, C.E.T., MBA, Director of Public Works and Engineering

**DATE:** November 8, 2021

**SUBJECT:** Department Report

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**INFORMATION**

**1. Treasurer's Report [Strategic Plan Goal No. 3]**

Attached as Appendix I is a copy of the September Treasurer's Report for the Public Works and Engineering Department.

**2. Monthly Project Status Report [Strategic Plan Goal No.3]**

Attached as Appendix II is the Monthly Project Status Report. Additional project specific information is provided in the Divisional reports.

**3. Capital Program Variance Report [Strategic Plan Goal No. 3]**

Attached as Appendix III is the Capital Program Variance Report.

**4. County Road 51 (Petawawa Boulevard) – Roundabout [Strategic Plan Goal No. 3]**

Operations Committee Chair Tom Peckett, Director of Public Works and Engineering Lee Perkins and Infrastructure Manager Taylor Hanrath along with members of the design team from AECOM, Valerie McGirr and Michael Flanick were in attendance at a meeting of the Town of Petawawa Council on October 18, 2021. The main point of discussion was with regards to the proposed five-leg roundabout, attached as Appendix IV, at the intersection of County Road 26 (Doran Road), County Road 51 (Petawawa Boulevard), Hilda Street and Mohns Avenue. The design team had a short

presentation and fielded questions from the Town Council. A four-leg roundabout conceptual design, attached as Appendix V, with Hilda Street becoming a cul-de-sac was also compared to the five-leg roundabout. The Town Council was pleased to be informed the design team had heard the comments and concerns from the previous meeting of May 17, 2021 with regards to pedestrian safety, the Algonquin Trail interface and further demonstrated their consideration in the design of the five-leg roundabout. Staff clarified that this project has no allocated funding for construction, but with the completion of the amended Environmental Assessment (EA) and detailed design, funding opportunities will be fully explored. Chair Peckett reiterated his position to find funding not only for this project but the completion of four-laning and a second bridge crossing of the Petawawa River for County Road 51 (Petawawa Boulevard). There will be no change to the design of the second roundabout, which is attached as Appendix VI, at the intersection of County Road 55 (Paquette Road), County Road 51 (Petawawa Boulevard), Festubert Boulevard and Menin Road which was approved through the original EA. The Town of Petawawa by resolution (attached as Appendix VII) endorsed the EA as amended and the design as presented.

**5. Road Renaming – Township of Whitewater Region**

Attached as Appendix VIII is a notice from the Township of Whitewater Region advising that effective November 1, 2021 Indian Road was renamed to Perretton Road. Public Works and Engineering staff has confirmed with the GIS Technician that 9-1-1 civic addressing has been updated.

**6. Infrastructure Division**

Attached as Appendix IX is the Infrastructure Division Report, prepared by Mr. Taylor Hanrath, Acting Manager of Infrastructure, providing an update on activities.

**7. Operations Division**

Attached as Appendix X is the Operations Division Report, prepared by Mr. Richard Bolduc, Manager of Operations, providing an update on activities.

**COUNTY OF RENFREW  
TREASURER'S REPORT - Operations Committee  
September 2021**

	<u>YTD ACTUAL</u>	<u>YTD BUDGET</u>	<u>VARIANCE</u>	<u>FULL YEAR BUDGET</u>
<b><u>CAPITAL PROGRAM - EXPENSES</u></b>	<b><u>321,309</u></b>	<b><u>455,291</u></b>	<b><u>(133,982)</u></b>	<b><u>597,660</u></b>
Salaries	257,649	224,809	32,840	292,249
Benefits	62,910	56,818	6,092	73,861
COVID	1,605	0	1,605	0
Capital Projects - Under Threshold	0	0	0	0
Legal - Right of Way	0	0	0	0
Misc	2,697	4,500	(1,803)	6,000
Purchased Services	0	0	0	0
Recoveries	(11,973)	0	(11,973)	0
Infrastructure Management	5,760	147,186	(141,426)	196,250
Supplies	2,660	21,978	(19,318)	29,300
<b><u>ADMINISTRATION</u></b>	<b><u>864,152</u></b>	<b><u>830,725</u></b>	<b><u>33,427</u></b>	<b><u>1,062,694</u></b>
Salaries	364,868	367,371	(2,503)	477,585
Benefits	106,182	97,878	8,304	127,239
Advertising	17,863	22,000	(4,137)	25,000
Bad Debts	0	0	0	0
Answering Service	4,166	3,447	719	4,600
Cell Telephone/Pager	8,312	9,900	(1,588)	13,200
Communications(Radio System)	52,793	53,811	(1,018)	71,750
Computer Hrdwr/Sftwr	54,685	39,753	14,932	53,000
Conferences & Conventions	304	6,100	(5,796)	7,200
Courier	551	576	(25)	770
COVID	0	0	0	0
Health & Safety (Protection)	30,860	40,050	(9,190)	42,000
Insurance	128,324	107,500	20,824	107,500
Insurance Claims Expense	37,288	22,500	14,788	30,000
Internet	2,200	3,825	(1,625)	5,100
Legal Fees	18,000	0	18,000	20,000
Membership Fees	6,291	7,450	(1,159)	8,500
Office Equipment Replacement	193	0	193	4,100
Office Supplies/Publications/Awards	5,749	7,200	(1,451)	10,000
Photocopier Supplies/Maint	1,826	3,150	(1,324)	4,200
Postage	169	342	(173)	450
Recoveries	0	0	0	0
Recoveries - Federal	0	0	0	0
Provincial Grants & Subsidies - COVID	(18,065)	0	(18,065)	0
Recruitment	16,750	7,497	9,253	10,000
Surplus Adjustment - Capital	0	0	0	16,000
Surplus Adjustment - From Reserves	0	0	0	(16,000)
Staff Training	15,186	15,003	183	20,000
Telephone	6,473	8,397	(1,924)	11,200
Travel	3,184	6,975	(3,791)	9,300
<b><u>MAINTENANCE</u></b>	<b><u>3,528,871</u></b>	<b><u>4,035,979</u></b>	<b><u>(507,108)</u></b>	<b><u>5,878,683</u></b>
Salaries	1,411,427	1,453,891	(42,464)	1,890,055
Benefits	387,111	402,573	(15,462)	523,355
Bridges and Culverts	39,634	33,340	6,294	40,000
Roadside Maintenance	113,948	149,980	(36,032)	180,000

**COUNTY OF RENFREW**  
**TREASURER'S REPORT - Operations Committee**  
**September 2021**

	<u>YTD ACTUAL</u>	<u>YTD BUDGET</u>	<u>VARIANCE</u>	<u>FULL YEAR BUDGET</u>
Hard Top Maintenance	127,756	300,005	(172,249)	360,000
Loose Top Maintenance	0	0	0	0
Winter Control	1,036,891	1,610,196	(573,305)	2,415,273
Safety Devices	454,150	160,991	293,159	570,000
Misc	0	0	0	0
Recoveries	(42,046)	(74,997)	32,951	(100,000)
<b><u>EQUIPMENT</u></b>	<b><u>820,069</u></b>	<b><u>833,463</u></b>	<b><u>(13,394)</u></b>	<b><u>1,256,523</u></b>
Salaries	163,227	162,691	536	211,500
Benefits	50,472	50,102	370	65,135
Salary Allocations	(70,075)	(70,931)	856	(92,212)
COVID	58,278	0	58,278	0
Small Equipment, Misc	58,775	38,101	20,674	65,600
Vehicle Operating Costs - Fuel	288,322	305,000	(16,678)	435,000
Vehicle Operating Costs - Insurance	46,730	42,500	4,230	42,500
Vehicle Operating Costs - Licence	(120)	0	(120)	59,000
Vehicle Operating Costs - Repairs & Supplies	304,999	327,000	(22,001)	500,000
Vehicle Operating Revenue	(12,240)	(16,000)	3,760	(20,000)
Provincial Grants & Subsidies - COVID	(58,278)	0	(58,278)	0
Surplus Adjustment - Capital Equipment	100,525	548,000	(447,475)	893,000
Surplus Adjustment - TCA funded by COVID	(58,278)	0	(58,278)	0
Surplus Adjustment - Trf To Reserves	0	0	0	0
Surplus Adjustment - Trf From Reserves	(42,247)	(548,000)	505,753	(893,000)
Recoveries	(10,019)	(5,000)	(5,019)	(10,000)
<b><u>HOUSING</u></b>	<b><u>99,155</u></b>	<b><u>140,577</u></b>	<b><u>(41,422)</u></b>	<b><u>186,550</u></b>
Operating Expenses	98,053	116,027	(17,974)	162,000
COVID	1,102	0	1,102	0
Major Repairs	0	24,550	(24,550)	24,550
Surplus Adjustment - Capital	0	230,000	(230,000)	230,000
Surplus Adjustment - Trf From Reserves	0	(230,000)	230,000	(230,000)
Misc	0	0	0	0
Recoveries	0	0	0	0
<b><u>OTHER</u></b>	<b><u>7,004,535</u></b>	<b><u>9,520,000</u></b>	<b><u>(2,515,465)</u></b>	<b><u>19,383,718</u></b>
Depreciation	7,266,881	7,200,000	66,881	9,600,000
Surplus Adjustment - Depreciation	(7,266,881)	(7,200,000)	(66,881)	(9,600,000)
Surplus Adjustment - Capital Construction	7,004,535	9,520,000	(2,515,465)	19,383,718
Surplus Adjustment - TRF to Reserves	0	0	0	0
<b><u>CONSTRUCTION - LABOUR CLEARING ACCOUNT</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>
Salaries	375,004	329,000	46,004	408,322
Benefits	56,355	65,200	(8,845)	81,393
Charge to Capital Construction above	(431,359)	(394,200)	(37,159)	(489,715)
<b>TOTAL EXPENDITURES</b>	<b>12,638,091</b>	<b>15,816,035</b>	<b>(3,177,944)</b>	<b>28,365,828</b>



**COUNTY OF RENFREW  
TREASURER'S REPORT - Operations Committee  
September 2021**

	<u>YTD ACTUAL</u>	<u>YTD BUDGET</u>	<u>VARIANCE</u>	<u>FULL YEAR BUDGET</u>
<b><u>ROADS REVENUES</u></b>				
Municipal Contribution	6,013,929	5,758,291	255,638	8,907,110
Donations In Kind	0	0	0	0
Provincial Grants & Subsidies	1,018,130	1,018,125	5	1,357,505
Surplus Adjustment - TRF from Reserves	5,469,496	8,970,000	(3,500,504)	18,026,213
Surplus Adjustment - Temp Loan	19,772	0	19,772	0
Federal Grants & Subsidies	0	0	0	0
Other Revenue - Capital Asset	0	0	0	0
Misc	116,764	69,619	47,145	75,000
<b>TOTAL REVENUES</b>	<b>12,638,091</b>	<b>15,816,035</b>	<b>(3,177,944)</b>	<b>28,365,828</b>
<b>Municipal Surplus / (Deficit)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Department of Public Works & Engineering  
Capital Monthly Project Status Report - October 2021**

Project Name/Municipality		Location		Lengths	Description	Status/Schedule							Comments
		From	To			Env. Assess	Survey	Design	RFP/Tender	Const. Award	Const. Start	Const. End	
ROAD RECONSTRUCTION/REHABILITATION													
20	Bruce Street	Highway 60	Urban Limit	0.48	Intersection Upgrades by Town at HWY 60	100%	100%	100%			May	October	Intersections Works - Overseen by Town of Renfrew
	Renfrew												
52	Raglan St. S	Pucker Street	Hwy 60 (Combes Street)	1.22	Reconstruction by Town	100%	100%	100%			May 31	October	Overseen by Town of Renfrew, Completed
	Renfrew												
71	Matawatchan Road	4877 Matawatchan Road	County Road 65 (Centennial Lake Rd)	3.19	Cross-Culvert Replacement	100%	100%	100%			March	March	Completed by County Patrol forces to align with lower water levels
	Greater Madawaska												
508	Calabogie Road	Hutson Road	Goshen Road	1.40	Cross-Culvert Replacement	100%	100%	100%			May	May	Completed by County Day Labour forces
	McNab/Braeside												
512	Foymount Road	County Structure B257	Miller Road	6.57	Property Purchases, Utility Relocation, & Reconstruction	100%	100%	95%					Property purchases ongoing. Close-Cut-Clearing planned once agreements in place. Utility relocations to follow.
	Bonnechere Valley												
635	Swisha Road	Highway 17	Interprovincial Bridge	2.58	Reconstruction of Drainage Crossing	100%	60%	50%	September	September	October	October	Geotech being finalized, Design-Build RFP to be released
	Laurentian Hills												
BRIDGE/CULVERT RECONSTRUCTION/REHABILITATION													
B002	Bonnechere River Bridge	Admaston/Bromley (Bonnechere Road)			Rehabilitation	100%	100%	100%	May	May	2022	2022	Eng by Stantec, Construction by Clearwater, pushed to next year
B095	Hyland Creek Bridge	Greater Madawaska (Hyland Creek Road)			Rehabilitation	100%	100%	100%	April	June	October	October	CoR Day Labour project.
B180	Hurds Creek Bridge	Bonnechere Valley (South Algona/Grattan Line)			Superstructure Replacement	100%	100%	100%	April	April	May 17	August	Completed
B202	Cameron Street Bridge	Killaloe, Hagarty & Richards (Cameron Street)			Superstructure Replacement	100%	100%	100%	2020	2020	April	June	Completed
B240	Fourth Chute Bridge	Bonnechere Valley (Fourth Chute Road)			Rehabilitation	100%	100%	100%	May	May	July 26	October	Eng. by Stantec, Construction by Clearwater, completed
B319	Bucholtz Bridge	Laurentian Valley (CR58, Round Lake Road)			Rehabilitation	100%	100%	100%	2022	2022	2022	2022	Design by McIntosh Perry, Construction pushed to 2022
C003	Moores Creek Culvert	Admaston/Bromley (CR5, Stone Road)			Repairs	100%	100%	100%			October	October	Design by HP. CoR Day Labour project.
C058	Constant Creek Culverts	Greater Madawaska (Ferguson Lake Road)			Replacement	100%	100%	100%	April	May	August	September	Internal Design, CoR Day Labour project, completed
C099	Colton Creek Bridge	Greater Madawaska (Matawatchan Road)			Replacement	100%	100%	100%	May	June	July 28	September	Design by HP, Construction by Goldie Mohr, completed
C116	Dunlop Crescent Culvert	Head, Clara & Maria (Dunlop Crescent)			Replacement	100%	100%	100%	May	June	September	September	Design by WSP, CoR Day Labour project, completed
C142	Quade Creek Culvert	North Algona Wilberforce (Burchat Road)			Replacement	100%	100%	90%	April	May	October	October	Internal Design, CoR Day Labour project
C197	Etmanskie Swamp Culvert	Madawaska Valley (CR62, John Street)			Rehabilitation	100%	100%	50%	2022	2022	2022	2022	Design by JLR, Construction pushed to 2022
C201	Broomes Creek Culvert	Whitewater (CR7, Foresters Falls Road)			Rehabilitation of Culvert & Replacement of Dam	100%	100%	60%			2023	2023	MCEA being finalized by JL Richards, Detailed Design Needed, Construction in 2023
C222	Pleasant Valley Steel Arch	Whitewater (Pleasant Valley Road)			Replacement	100%	100%	100%	February	March	July	July	Internal Design, CoR Day Labour project, completed
C252	Vanderploegs Culvert	McNab/Braeside (Russett Drive)			Rehabilitation	100%	100%	100%	March/June	August	September	October	Design by JLR, Construction by Dalcon
C300	Wolfe Road Twin Pipes	Bonnechere Valley (Wolfe Road)			Replacement	100%	100%	100%	February	March	July	July	Internal Design, CoR Day Labour project, completed
FUTURE ENGINEERING													
B005	Scollard Bridge	Admaston/Bromley (Pucker Street)			Design for Rehabilitation	10%	10%	0%	October		2022		Consultant Design
B022	Indian River Bridge	Laurentian Valley (Sandy Beach Road)			Design for Rehabilitation	10%	10%	0%	September		2022		RFP issued for design
B057	Mount St. Patrick Bridge	Greater Madawaska (Mount St. Patrick Road)			Design for Replacement	10%	10%	10%	August		2022		Design by HP Engineering
B064	Pilgrim Road Bridge	Brudenell, Lyndoch & Raglan (Pilgrim Road)			Design for Rehabilitation	10%	10%	0%	October		2022		Consultant Design
B203	Petawawa River Bridge	Petawawa (CR51, Petawawa Boulevard)			Design for Rehabilitation	10%	10%	0%	September		2022		RFP issued for design
C012	Farquharson's Culvert	Admaston/Bromley (South McNaughton Road)			Design for Replacement	10%	10%	0%	November		2022		Consultant Design
C025	Borne Road Culvert	Laurentian Valley (Borne Road)			Design for Rehabilitation	10%	10%	0%	August		2023		Design by WSP
C037	Bagot Creek Culvert	Greater Madawaska (Lower Spruce Hedge Road)			Design for Replacement	10%	10%	0%	October		2022		Consultant Design
C040	Snake River Culvert	Admaston/Bromley (CR8, Cobden Road)			Design for Rehabilitation	10%	10%	0%	November		2022		Consultant Design
C134	Campbell Drive Culvert	McNab/Braeside (Campbell Drive)			Design for Replacement	10%	10%	0%	November		2022		Consultant Design
C137	Hanson Creek Culverts	McNab/Braeside (Robertson Line)			Design for Replacement	10%	10%	0%	October		2022		RFP issued for design
C152	Wadsworth Lake Culvert	Madawaska Valley (Old Barry's Bay Road)			Design for Replacement	10%	10%	0%	October		2022		Geotech & Potential Internal Design
C269	Jacks Lake Culverts	Killaloe, Hagarty & Richards (CR58, Round Lake Road)			Design for Replacement	10%	10%	0%	November		2022		Geotech & Potential Internal Design
C302	Wingle Creek Twin Culverts	Killaloe, Hagarty & Richards (Rochfort Road)			Design for Replacement	10%	10%	0%	November		2022		Geotech & Potential Internal Design

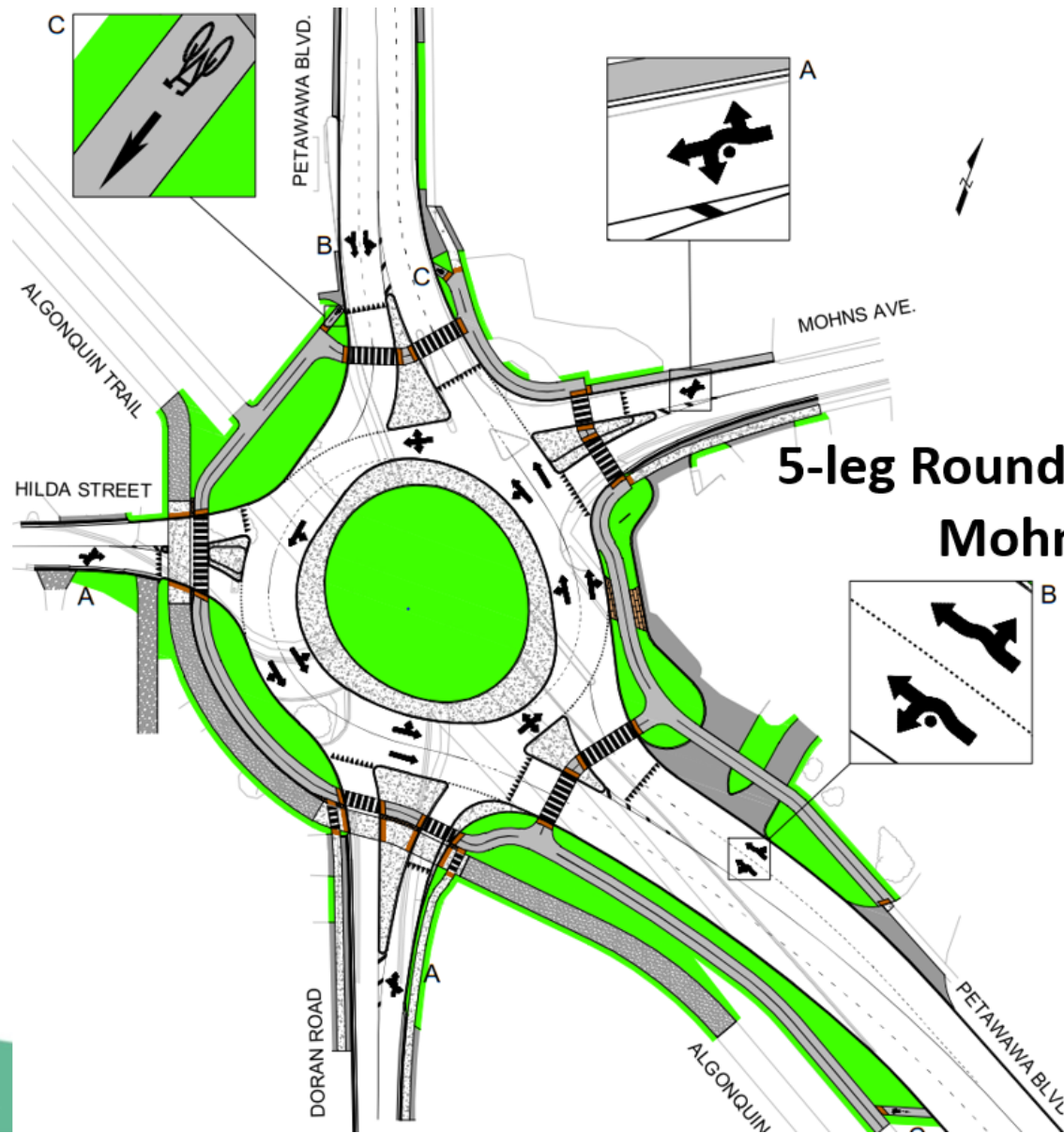
OPERATIONS TENDERS										
Type	Description	Term (Years)	Type	Specification	Tender	Award	Start	Complete	Status/Comments	
1	Pavement Marking	Paint/Glass Beads//Lines/Symbols	1+(+1+1+1+1)	Equipment/Material	March	April	April	May	November	Ongoing
2	Street Sweeping	Winter/Debris Removal	1	Equipment	March	April	April	May	June	Complete
3	Catch Basin/MH Hole Cleaning	Winter/Debris Removal	1	Equipment	March	April	April	May	June	Complete
4	Roadside Brushing	Tree/Brush Removal	1	Equipment	May	June	June	July	November	Complete
5	Sign Post Tender	Sign Installation Hardware	1	Material	March	April	April	June	June	Complete
6	Weed Control	Wild Parsnip/Poison Ivy	5	Equipment/Material	Complete	2019	2019	July	July	Complete
7	Signs &Traffic Control Equipment	Road Signage	1	Material	May	April	April	June	July	Complete
8	Winter Sand	Winter Abrasives	1	Supply/Delivery/Process	June	July	August	August	November	Testing/ Delivery
9	Loader Rental	Winter Operations	1	Equipment	July	September	October	November	April	Complete
10	Culverts	Drainage	1	CSP/HDPE	February	March	April	May	November	Complete
11	Equipment Rental	Construction Equipment	1	Various	January	Rebruary	March	March	November	Complete
12	Fuel	Diesel/Gas/Coloured Diesel	1	Materials	Contract	Renewal	August	August	August	Complete
13	AVL Service Renewal	Automatic Vehicle Location	10	Application/Network/Data	May	2020	2020	June	2030	Complete
14	Shouldering	Granular/Sealing	1	Material/Installation	June	July	August	September	September	Complete
15	Calcium Chloride	Winter Operations	1	Material	July	July	July	August	September	Complete
16	Crack Sealing	Pavement Preservation	1	Material/Installation	July	August	September	September	October	Complete
17	Curb Repair	Preservation	1	Material/Repair	July	August	September	September	October	Complete
EQUIPMENT TENDERS										
Tender	Description	Quantity	Type	Specification	Tender	Award	Delivery	Status/Comments		
1	HDT (Heavy Duty Truck)	Combination Plow/Spreader	1	Replace	February	March	April	November		Awaiting Delivery
2	LDT (Light Duty Truck(s))	(3-1/2 ton & 1-3/4 ton 4WD)	4	Replace	March	April	April	November		2021 Cancelled
3	HDT (Heavy Duty Truck)	Water Truck	1	Replace	February	May	June	November		Awaiting Delivery
4	Mower Attachment	Tractor Mounted	1	Replace	March	March	April	August		Complete
5	Tag Along Float	30 Ton	1	Replace	March	March	April	December		Awaiting Delivery
6	Service Vehicle	PW Operations	1	New	March	April	April/May	December		Awaiting Delivery
7	Service Vehicle	PW - ES	1	New	March	April	April/May	December		Awaiting Delivery
8	Equipment Refurbishment(s)	As per Spring Inspection	Varies	Existing	March	April	April	October		Complete
9	AVL (Automatic Vehicle Location)	AVL/Telematics	Varies	New	May	June	June	October		Complete
10	Retroreflectometer		1	Replace	April	April	May	September		Complete
HOUSING										
Tender	Location	Type	Type	Design	Tender	Award	Start	Complete	Status/Comments	
1	Repair - Salt Storage Dome	Southwest Patrol	Construct	Rehabilitation	2020	March	April	June	September	Completed
ROAD MAINTENANCE AGREEMENTS/FACILITY AGREEMENTS										
Service Provider	Location	Year	Type	Start	Complete	Term	Status/Comments			
1	Town of Arnprior	County Road 1, County Road 2	2021	Winter Road Maintenance	2021	2022	1			Complete
2	Town of Deep River	County Road 72, County Road 73	2020	Winter Road Maintenance	2020	2030	10			Complete
3	Town of Renfrew	County Road 20, County Road 52	2019	Winter Road Maintenance	2019	2029	10			Complete
4	Township of Carlo Mayo	County Road 517	2021	Winter Road Maintenance	2021	2022	Annual			Complete
5	Contractor	County Road 635	2021	Winter Road Maintenance	2021	2022	Annual			Complete
6	Algonquins of Pikwakanagan	Golden Lake	2017	Use of facilities and materials	2017	2022	5			Complete
7	Bonnechere Valley	Foymount	2017	Use of facilities and materials	2017	2022	5			Complete

Operations Division - Capital Monthly Project Status Report - October 2021  
Department of Public Works & Engineering

Project Name/Municipality		Location		Lengths	Description					Comments
		From	To			RFP/Tender	Const. Award	Const. Start	Const. End	
ROAD RECONSTRUCTION/REHABILITATION										
1	River Road	Mast Road	120 metres west of Henry Crescent	1.90	Rehabilitation	March	April	June	October	
	McNab/Braeside									
1	Elgin Street West/River Road	Madawaska Street	Usborne Street	1.32	Rehabilitation	April	May	July	November	Carryover
	Arnprior & McNab/Braeside									
5	Stone Road	Berlanquet Road	1574 Stone Road	3.04	Rehabilitation	April	May	August	October	Complete
	Admaston/Bromley									
7	Foresters Falls Road	Queens Line	225m East of Government Road	2.60	Rehabilitation	March	April	July	August	Complete
	Whitewater Region									
21	Beachburg Road	County Road 49 (Lapasse Road)	Hila Road	7.77	Rehabilitation	April	May	July	October	Complete
	Whitewater Region									
51	Petawawa Boulevard	County Road 26 (Doran Street)	County Road 55 (Paquette Road)	1.16	Rehabilitation	March	April	June	August	Complete
	Petawawa									
52	Burnstown Road	Fraser Road	Pucker Street	4.28	Rehabilitation	March	April	June	July	Complete
	Horton									
65	Centennial Lake Road	Deer Mountain Road	Chimo Road North	4.00	Close Cut Clearing	March	March	April	November	
	Greater Madawaska									
65	Centennial Lake Road	220m East of Chimo Road South	554m West of Opal Road	4.00	Rehabilitation	March	April	May	August	Complete
	Greater Madawaska									
67	Simpson Pit Road	Byers Creek Road	250m North of Buckhill Road	2.60	Rehabilitation	March	April	September	October	Complete
	Killaloe, Hagarty and Richards									
Various	Scratchcoat	Various Locations	Various Locations	11.30	Scratch Coat Paving	May	June	July	September	Complete
	Various Locations									

## 2021 CAPITAL PROGRAM - ROADS/BRIDGES

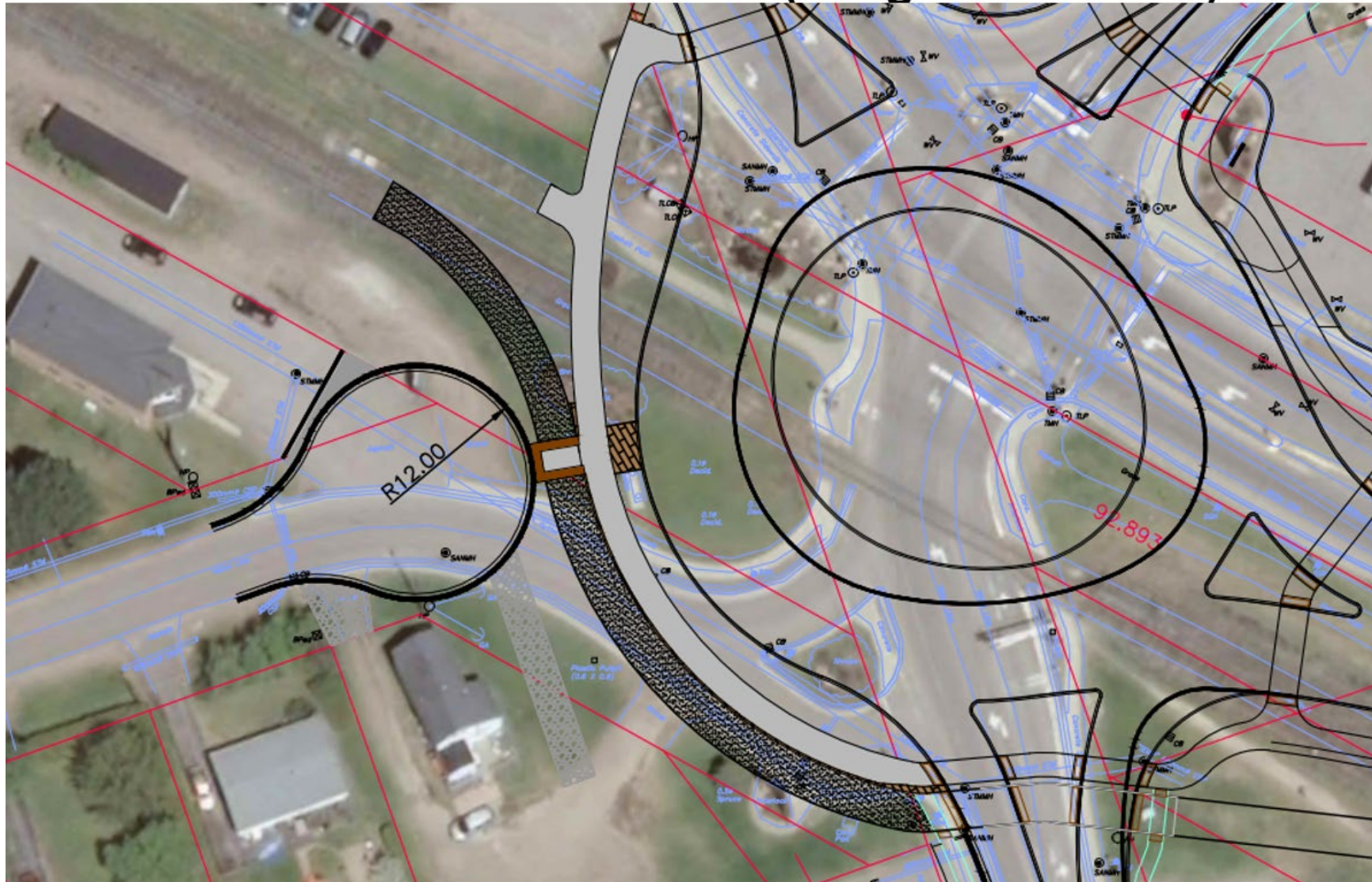
Road Reconstruction/Rehabilitation									
Note: Limits and Length of projects are approximate and subject to revision based on final design and budgets									
Road No.	Location	From	To	Length (km)	2021 BUDGET	October Projected	November Projected	Variance	Carry Over
1	Elgin Street West	Madawaska & Elgin	Usborne Street	1.32	890,609	870,000	870,000	-20,609	0
1	<i>Arnprior &amp; McNab/Braeside</i> River Road	Mast Road	Henry Crescent	1.83	600,240	885,241	885,241	285,001	0
5	<i>McNab/Braeside</i> Stone Road	Berlanquet Road	1574 Stone Road	3.36	1,168,736	765,000	765,000	-403,736	0
7	<i>Admaston/Bromley</i> Foresters Falls Road	County Road 4 (Queens Line)	Harriet Street	2.74	672,836	705,133	705,133	32,297	0
20	<i>Whitewater Region</i> Bruce Street	Highway 60	Urban Limit	0.48	60,000	60,000	60,000	0	0
21	<i>Renfrew</i> Beachburg Road	County Road 49 (Lapasse Road)	Hila Road	7.77	474,009	695,000	695,000	220,991	0
51	<i>Whitewater Region</i> Petawawa Boulevard	County Road 26 (Doran Street)	Military Camp Road	0.98	800,000	650,000	650,000	-150,000	0
52	<i>Petawawa</i> Burnstown Road	Fraser Road	Graham Avenue	4.90	986,840	580,000	580,000	-406,840	0
52	<i>Horton</i> Raglan St. S	Graham Avenue	Hwy 60 (Combes Street)	1.22	557,217	557,217	557,217	0	0
65	<i>Renfrew</i> Centennial Lake Road	Deer Mountain Road	Chimo Road North	4.10	1,078,300	1,142,652	1,142,652	64,352	0
67	<i>Greater Madawaska</i> Simpson Pit Road	Byers Creek Road	Buck Hill Road	2.45	921,200	540,000	540,000	-381,200	0
71	<i>Killaloe, Hagarty and Richards</i> Matawatchan Road	4877 Matawatchan Road	County Road 65 (Centennial Lake Rd)	3.19	100,000	75,000	75,000	-25,000	0
508	<i>Greater Madawaska</i> Calabogie Road	Hutson Road	Goshen Road	1.40	50,000	80,000	80,000	30,000	0
512	<i>McNab/Braeside</i> Foymount Road	County Structure B257	Miller Road	6.57	3,039,300	1,400,000	1,400,000	-1,639,300	1,639,300
635	<i>Bonnechere Valley</i> Swisha Road	Highway 17	Interprovincial Bridge S Exp. Joint	2.58	100,000	100,000	15,000	-85,000	85,000
	<i>Laurentian Hills</i> Scratch Coat Paving	Various Locations			716,431	716,431	716,431	0	0
	Active Transportation	Various Locations			150,000	150,000	150,000	0	0
ROAD RECONSTRUCTION/REHABILITATION TOTALS				44.89	12,365,718	9,971,674	9,886,674	-2,479,044	1,724,300
Bridge/Culvert Reconstruction/Rehabilitation									
Structure No.	Structure Name	Location			2021 BUDGET	October Projected	November Projected	Variance	Carry Over
B002	Bonnechere River Bridge	Admaston/Bromley (Bonnechere Road)			400,000	400,000	70,000	-330,000	330,000
B095	Hyland Creek Bridge	Greater Madawaska (Hyland Creek Road)			200,000	200,000	20,000	-180,000	0
B180	Hurds Creek Bridge	Bonnechere Valley (South Algona/Grattan Line)			850,000	540,000	540,000	-310,000	0
B202	Cameron Street Breidge	Killaloe, Hagarty and Richards (Cameron Street)			170,000	178,000	297,000	127,000	0
B240	Fourth Chute Bridge	Bonnechere Valley (Fourth Chute Road)			400,000	770,000	770,000	370,000	0
B319	Bucholtz Bridge	Laurentian Valley (CR58, Round Lake Road)			432,000	70,000	70,000	-362,000	362,000
C003	Moores Creek Culvert	Admaston/Bromley (CR5, Stone Road)			50,000	50,000	50,000	0	0
C058	Constant Creek Culverts	Greater Madawaska (Ferguson Lake Road)			715,000	800,000	880,000	165,000	0
C099	Colton Creek Bridge	Greater Madawaska (Matawatchan Road)			280,000	748,685	750,000	470,000	0
C116	Dunlop Crescent Culvert	Head, Clara & Maria (Dunlop Crescent)			400,000	405,000	410,000	10,000	0
C142	Quade Creek Culvert	North Algona Wilberforce (Burchat Road)			225,000	225,000	225,000	0	0
C197	Etmanskie Swamp Culvert	Madawaska Valley (CR62, John Street)			300,000	60,000	60,000	-240,000	240,000
C201	Broomes Creek Culvert	Whitewater (CR7, Foresters Falls Road)			1,000,000	200,000	100,000	-900,000	900,000
C222	Pleasant Valley Steel Arch	Whitewater (Pleasant Valley Road)			200,000	200,000	130,000	-70,000	0
C252	Vanderploegs Culvert	McNab/Braeside (Russett Drive)			200,000	200,000	195,000	-5,000	0
C300	Wolfe Road Twin Pipes	Bonnechere Valley (Wolfe Road)			200,000	200,000	180,000	-20,000	0
	General Bridge Repairs	Various Locations			200,000	200,000	200,000	0	0
BRIDGE/CULVERT RECONSTRUCTION/REHABILITATION TOTALS					6,222,000	5,446,685	4,947,000	-1,275,000	1,832,000
Roads/Bridge/Culvert Future Engineering									
Asset ID	Structure Name	Location			2021 BUDGET	October Projected	November Projected	Variance	Carry Over
B005	Scollard Bridge	Admaston/Bromley (Pucker Street)			40,000	40,000	40,000	0	0
B022	Indian River Bridge	Laurentian Valley (Sandy Beach Road)			100,000	100,000	100,000	0	0
B057	Mount St. Patrick Bridge	Greater Madawaska (Mount St. Patrick Road)			60,000	85,000	85,000	25,000	0
B064	Pilgrim Road Bridge	Brudenell, Lyndoch & Raglan (Pilgrim Road)			20,000	20,000	20,000	0	0
B203	Petawawa River Bridge	Petawawa (CR51, Petawawa Boulevard)			130,000	130,000	130,000	0	0
C012	Farquharson's Culvert	Admaston/Bromley (South McNaughton Road)			15,000	15,000	15,000	0	0
C025	Borne Road Culvert	Laurentian Valley (Borne Road)			30,000	66,000	66,000	36,000	0
C037	Bagot Creek Culvert	Greater Madawaska (Lower Spruce Hedge Road)			38,000	38,000	38,000	0	0
C040	Snake River Culvert	Admaston/Bromley (CR8, Cobden Road)			12,000	12,000	12,000	0	0
C134	Campbell Drive Culvert	McNab/Braeside (Campbell Drive)			65,000	65,000	65,000	0	0
C137	Hanson Creek Culverts	McNab/Braeside (Robertson Line)			18,000	18,000	25,000	7,000	0
C152	Wadsworth Lake Culvert	Madawaska Valley (Old Barry's Bay Road)			28,000	28,000	28,000	0	0
C269	Jacks Lake Culverts	Killaloe, Hagarty & Richards (CR58, Round Lake Road)			20,000	20,000	20,000	0	0
C302	Wingle Creek Twin Culverts	Killaloe, Hagarty & Richards (Rochfort Road)			20,000	20,000	20,000	0	0
FUTURE ENGINEERING TOTALS					596,000	657,000	664,000	68,000	0
Safety Devices									
	Traffic Signals - Upgrades	Various Locations			200,000	200,000	200,000	0	0
SAFETY DEVICES TOTALS					200,000	200,000	200,000	0	0
CAPITAL PROGRAM TOTAL					19,383,718	16,275,359	15,697,674	-3,686,044	3,556,300



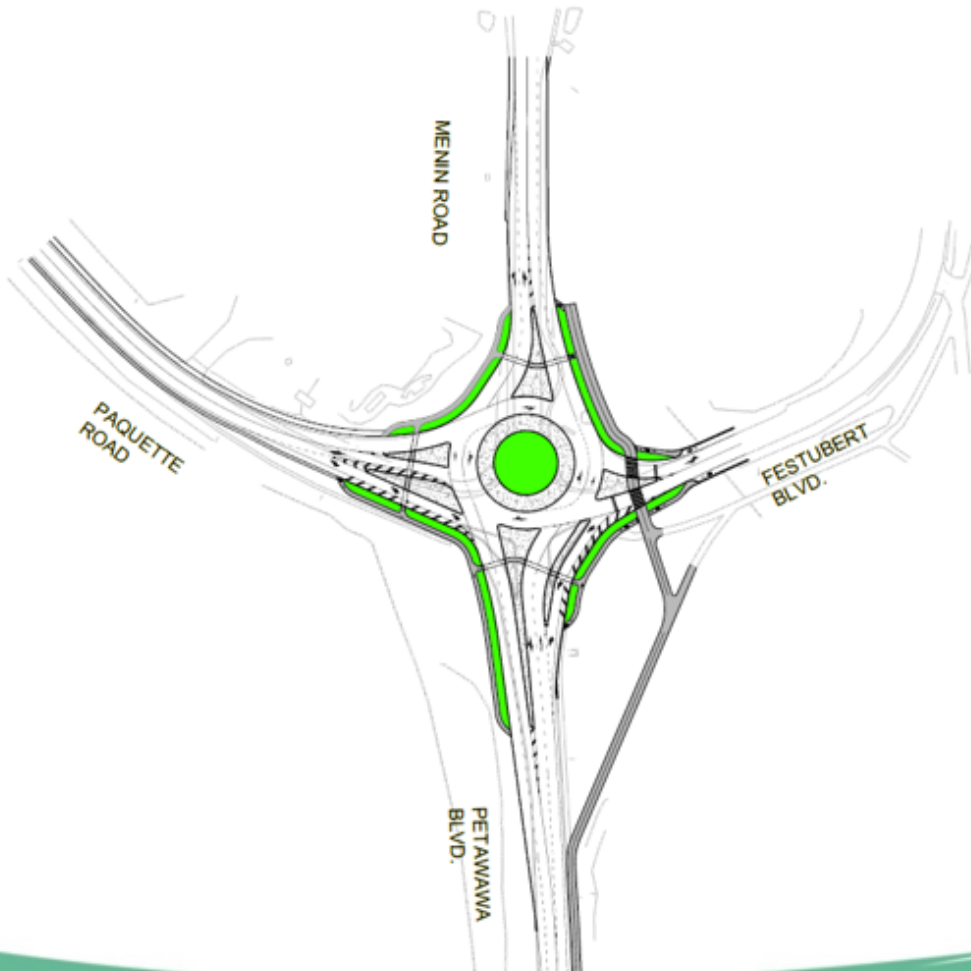
**5-leg Roundabout at CR51/CR26/  
Mohns Ave/Hilda St**



## 12m radius Cul-de-sac on Hilda (4-leg roundabout)



# Garrison Roundabout



**Intersection of CR51/CR55  
Menin Rd/Festubert Blvd**





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## TOWN OF PETAWAWA

1111 Victoria Street, Petawawa, Ontario K8H 2E6 • Telephone: 613-687-5536 / Fax: 613-687-5973  
www.petawawa.ca

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November 1, 2021

County of Renfrew  
9 International Drive  
Pembroke, ON  
K8A 6W5

Attention: Lee Perkins, Director of Public Works & Engineering

Dear Mr. Perkins:

**RE: Roundabout Resolution**

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Please be advised that the following resolution was passed at the regular meeting of Council held October 18, 2021:

**MOVED BY:** Murray Rutz  
**SECONDED BY:** Theresa Sabourin

That Council of the Corporation of the Town of Petawawa endorses the continuation of the Environmental Assessment and detailed design of the two roundabouts as presented by the County of Renfrew and AECOM on Monday, October 18, 2021 along County Road 51 (Petawawa Boulevard);

The locations of the two roundabouts are identified as follows:

1. The intersection of County Road 51 (Petawawa Boulevard), County Road 55 (Paquette Road), Festubert Boulevard and Menin Road; and
2. The intersection of County Road 51 (Petawawa Boulevard), County Road 26 (Doran Road), Hilda Street and Mohns Avenue.

**CARRIED**

I trust this is satisfactory. Please contact me should you have any questions or concerns arising from the foregoing.

Sincerely,

Colin Howard, Dipl.Bus.Admin, Dipl.M.M  
Clerk

October 19, 2021

**Subject: Notice of Road Renaming  
Indian Road to Perretton Road**

To whom it may concern,

Please be advised that Indian Road will be renamed to Perretton Road effective November 1, 2021. A certified true copy of the by-law is attached for your records. The suggested name came from residents of the road who submitted a petition.

The costs to property owners will be minimal, as most changes of address can be done online at no charge or are done automatically at the time of the official road renaming. Please see the attached checklist for you to ensure your address is changed.

Should you require additional information, please do not hesitate to communicate with the undersigned.

Robert Tremblay, MPA CMO AOMC  
Chief Administrative Officer

(613) 646-2282



P.O. Box 40,  
44 Main Street  
Cobden, ON  
K0J 1K0



[www.whitewaterregion.ca](http://www.whitewaterregion.ca)





# The Corporation of the Township of Whitewater Region

By-law Number 21-10-1431

## **A by-law for the renaming of Township Highways**

**Whereas**, Section 27 of the Municipal Act, 2001, SO 2001, c 25, provides that a municipality may pass by-laws in respect of a highway that it has jurisdiction over;

**Whereas**, the Corporation of the Township of Whitewater Region has jurisdiction over the highways effected by this by-law;

**Whereas**, the Municipal Act, 2001, SO 2001, c 25, provides that Councils of local municipalities may pass by-laws giving names to highways, and for affixing the names at the corners thereof, on public or private property;

**Whereas**, the Corporation of the Township of Whitewater Region has determined it is desirous to re-name the public highways effected by this by-law;

**Whereas**, the public notice has been given for the re-naming of these public highways;

**Now therefore Council of the Corporation of the Township of Whitewater Region enacts as follows:**

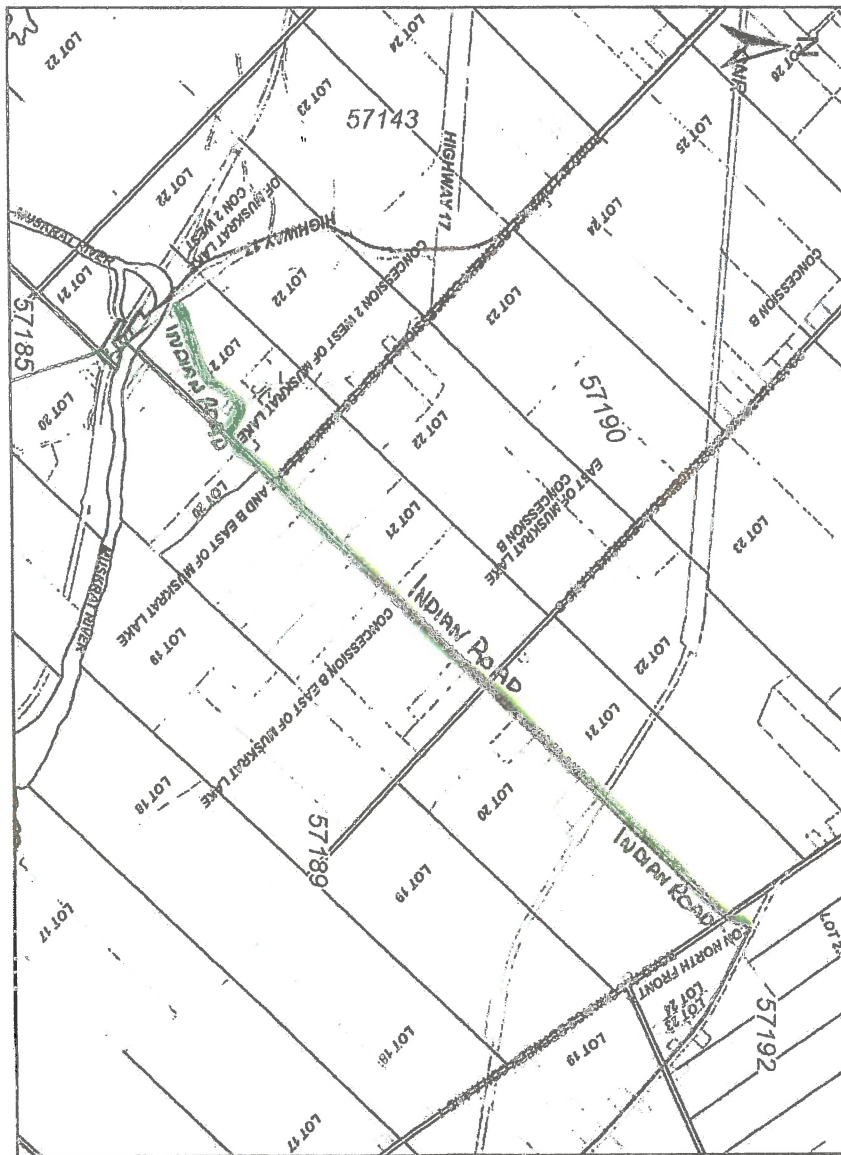
1. That the public highway known as "Indian Road", identified in Schedule A to by-law, be renamed "Perretton Road".
2. That the Township may erect and maintain signage to identify the renamed public highways referenced in this by-law.
3. That the Mayor and the Clerk of the Corporation of the Township of Whitewater Region are hereby authorized to execute any and all documentation necessary to confirm the renaming of the highways effected by this by-law in the Land Registry Office or any other public registry.
4. That this by-law shall come into force and take effect November 1, 2021.

**Read a first, second and third time and finally passed this 6th day of October, 2021.**

  
Michael Moore, Mayor

  
Carmen Miller, Clerk

# Schedule "A"



ServiceOntario

PRINTED ON 27 SEP, 2021 AT 10:21:36  
FOR DARLENECORUM

SCALE



PROPERTY INDEX MAP  
RENEW(No. 49)

LEGEND

FIELDHOLD PROPERTY  
UNDEVELOPED PROPERTY  
LIMITED INTEREST PROPERTY  
CONDOMINIUM PROPERTY  
REGISTERED (NAME UPDATE FENDING) 0449  
REGISTERED (NAME UPDATE FENDING) 0449  
BLOCK SURVEY 08050  
REGULATORY PLANT  
SCHEDULE

THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS AND COMPARE  
THESE RECORDS TO THE RECORDS OF THE  
NOT RECENT RECENT REESTABLISHMENTS  
THIS MAP WAS COMPILED FROM PLANS AND  
DOCUMENTS RECORDED IN THE LAND  
REGISTRATION SYSTEM AND HAS BEEN PREPARED  
FOR THE BEST AVAILABLE INFORMATION  
FOR BUILDERS OF PROPERTIES BOUNDARIES SEE  
RECORDED PLANS AND DOCUMENTS  
ONLY MAJOR FEATURES ARE SHOWN  
REFERENCE PLANS INDICATING MORE RECENT  
REFERENCE PLANS ARE NOT ILLUSTRATED



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## Schedule “A”

### Property Owner Checklist

This checklist is intended to help residents, property owners and businesses update their address following a street name change. The checklist provides general information meant to assist with the process. It is not necessarily an exhaustive list.

Government agencies and important service providers should be notified following the date the road or street name change comes into effect. Canada Post will continue to deliver mail with the old address for a period of one year.

You can update your address conveniently online with several government agencies and service providers.

The legal description of your property and your roll number will not be affected by a renaming. If you have the deed to your property, it will remain valid after your address has been changed. Deeds are validated by the legal description of a property, not the street name.

### Updating Your Ontario Identification Cards

You can update your address information quickly and easily for all your provincially issued identification cards in one secure and simple step using the Service Ontario website at [www.ontario.ca/addresschange](http://www.ontario.ca/addresschange). There is no fee and your information will be updated immediately. Alternatively, you can call their call centre at 1-800-267-8097 or 416-326-1234 between 8:30 a.m. and 5 p.m., Monday to Friday.

### Driver's Licence

You are required by law to update the address on your driver's licence within six days following the date the civic address or street name change comes into effect. Your new driver's licence will be mailed to you within four to six weeks.

### Vehicle Registration

You are required by law to update the address on file for your vehicle registration within six days following the date the civic address or street name change comes into effect. You are able to change your address on the vehicle permit online or at a Service Ontario Centre. If you change your address online you will need to visit a Service Ontario Centre to pick up a copy of your updated permit.

### Health Card

If you currently have a health card with your photo and address on it, you will receive a new health card. No address information will be shown on the new health card.

## **Ontario Outdoors Card**

Keep your current card as a new one will not be issued. Address information is not recorded on the card. You are required by law to update the address on file for your Outdoors Card within 10 days following the date the civic address or street name change comes into effect.

## **Updating Your Government of Canada Information**

### **Passport**

A change of address does not invalidate a passport. If you have filled in the address information on page 4, please cross out the old address and write the new one in the space above the old address. Do not use correction fluid. If the space is insufficient, write the new information on a separate piece of paper and insert it into the passport. For information, please visit Passport Canada's website at [www.cic.gc.ca](http://www.cic.gc.ca) and enter "change of address" in the search option on the website.

### **Canada Revenue Agency**

It is important to notify Revenue Canada with your new address for tax return purposes and to avoid any disruption to benefit payments you may be receiving. If you have registered with My Account, you can update your address online. If not, you have to update your address information by telephone or mail. For more information, please visit the Canada Revenue Agency website at [www.cra-arc.gc.ca](http://www.cra-arc.gc.ca)(link is external) and enter "change of address" in the search option on the website.

### **Canada Pension Plan, Old Age Security and Employment Insurance**

If you receive a Canada Pension Plan, old age security benefits, or employment insurance, you should change your address with Service Canada to ensure you continue to receive your benefits on time. Please visit Service Canada's website at [www.servicecanada.gc.ca](http://www.servicecanada.gc.ca)(link is external) for information on how to update your address information online, by telephone, by mail or in person. This service is currently not available in person due to COVID-19 closures.

### **Firearms Licence**

The Firearms Act gives you 30 days to notify the Canadian Firearms Program of a change of address. You can update your address in one of three ways:

Online: [www.rcmp-grc.gc.ca](http://www.rcmp-grc.gc.ca)

By telephone: 1-800-731-4000

By writing:

Royal Canadian Mounted Police  
Canadian Firearms Program  
PO Box 1200  
Miramichi, NB E1N 5Z3

You will need to provide:

your full name  
your firearms licence number  
your date of birth  
your old address  
your new address (the mailing address and physical location if different)  
your new phone number  
the date of the move

## **Updating Other Services and Important Contacts**

### **Canada Post**

No action is required of you. The Township will coordinate the address change with Canada Post.

### **Township Utilities (Water/Sewer/Waste Management) and Property Taxes**

No action is required of you. The changes will be looked after by the Township of Whitewater Region.

### **Enbridge Natural Gas**

You can update account information online by visiting the Enbridge website. Alternatively, you can call 1-877-362-7434 between 8:00 a.m. and 6:00 p.m., Monday to Friday.

### **Hydro One**

You can update your address online(link is external). Alternatively, you can call 1-888-664-9376 between 7:30 a.m. and 8 p.m., Monday to Friday.

### **Bank(s) and Credit Card(s)**

Your banking and credit card providers should be notified as soon as possible following the date the civic address or street name change comes into effect. In most cases, this can be done online.



### **Telephone, Mobile, Cable, Satellite and Internet Providers**

Update your contact information through the provider's website, or by calling their customer service department.

### **Schools, Colleges, Universities**

It depends on the school and school board, but most elementary, middle, and secondary schools send home a student information sheet at the beginning of each school year to be filled out with updated information for the student. The change of address can be noted at this time. You may also want to notify the school administration directly so the information is updated immediately. Universities and colleges students can update their address information online.

### **Workplace**

Remember to update your new address information with your employer, if applicable. Some organizations allow their employees to make this change online, while others require you to contact the Human Resources department.

### **Insurance Companies**

Call the representatives of your insurance providers, (car, home, pet, etc.) to change the address on your policy. This may also be done online, depending on the insurance company.

## INFRASTRUCTURE DIVISION REPORT

Prepared By: Taylor Hanrath, Manager of Infrastructure

Prepared for: Operations Committee

November 8, 2021

### INFORMATION

#### 1. **2021 Structure Projects – Before and After [Strategic Plan Goal No.2]**

Attached as Appendix IN-I are photos depicting the before and after conditions at a number of County Structures that were rehabilitated or replaced in 2021. The works that were undertaken at each structure and the budgetary implications are summarized below:

##### **(a) B180 (Hurds Creek Bridge) – Township of Bonnechere Valley**

2021 Budget: \$850,000

Projected: \$540,000

Rehabilitation of Hurds Creek Bridge required replacement of the superstructure with a code compliant girder system and deck. Included in the project was repairs to the abutments, new guiderail, paving of approaches, and ditching along approaches.

Design was completed by Ainley Group, Contract Administration by McIntosh Perry, and construction was completed by Bonnechere Excavating Limited.

##### **(b) B202 (Cameron Street Bridge) – Township of Killaloe, Hagarty and Richards**

2021 Budget: \$170,000

Projected: \$297,000

Rehabilitation of Cameron Street Bridge began in 2020; however, due to COVID-19 delays in the manufacture of the modular superstructure, the project was completed in 2021. The rehabilitation required replacement of the superstructure with a new, modular, code compliant, pony-truss superstructure. Included in the project was repairs to the abutments, new guiderail, paving of approaches, and ditching along the approaches.

Design and Contract Administration was completed by Greer Galloway Group Incorporated, and construction was completed by R.G.T. Clouthier Construction Limited.

**(c) B240 (Fourth Chute Bridge) – Border between Townships of Bonnechere Valley and North Algona Wilberforce**

2021 Budget: \$400,000

Projected: \$770,000

Rehabilitation of Fourth Chute Bridge required removal of asphalt and waterproofing, patching of concrete deck, waterproofing, paving, and substantial rehabilitation of the undermined concrete substructure and reinforcement of the rock riverbed below the structure, requiring rock anchors. Included in the project was new guiderail, new approach slabs, paving of approaches, ditching along the approaches, and the allowance of a pedestrian pathway.

Design and Contract Administration was completed by Stantec Consulting Limited and construction was completed by Clearwater Structures Incorporated.

**(d) C058 (Constant Creek Culverts) – Township of Greater Madawaska**

2021 Budget: \$715,000

Projected: \$880,000

Replacement of Constant Creek Culverts required full removal of the twin structural plate, corrugated steel pipe arches (SPCSPA) and installation of new, prefabricated, twin concrete box culverts. A substantial by-pass was needed to direct flows around the construction area and there was significant ground water infiltration to be mitigated during construction. The two SPCSPAs measured 4.7m wide, 3.3m high, and 21.7m long while the new concrete box culverts are 5.4m wide, 3.3m high, and 23.4m long. This was the minimum size required to pass a 10-year design flood event and a concrete box provided the most beneficial life-cycle cost considerations when compared with a SPCSPA replacement option through Present Value Analysis. The concrete box culverts are anticipated to have a 75-year design life, with rehabilitation anticipated after 40 – 50 years.

Design was completed by Public Works and Engineering staff, with design review by WSP Canada Incorporated. Construction was completed by the County's Day Labour forces, overseen by our Construction Supervisor.

**(e) C099 (Colton Creek Bridge) – Township of Greater Madawaska**

2021 Budget: \$280,000

Projected: \$750,000

Replacement of Colton Creek Bridge required full removal of the corrugated steel arch on concrete footings and installation of a new, prefabricated, concrete rigid frame on cast in place footings. Due to the fluctuating water levels and high velocity flows during flood events, it was recommended that replacement with a concrete structure be undertaken as it would be much more durable and longer lasting against the less than ideal flow conditions. Due to the sensitive nature of the surrounding area, and the need to widen the road to accommodate guiderail, a mechanically stabilized earth wall was required in order to not significantly infill around the structure. The corrugated arch was 3m wide, approximately 1.8m high, 17.1m long while the new concrete rigid frame structure is 3m wide, approximately 2.1m high, and 17.1m long. The new concrete rigid frame is anticipated to have a design life of 75 years with rehabilitation required every 25 years.

Design was completed by HP Engineering Incorporated and construction was completed by Goldie Mohr Construction Limited.

**(f) C116 (Dunlop Crescent Culvert) – United Townships of Head, Clara and Maria**

2021 Budget: \$400,000

Projected: \$410,000

Replacement of Dunlop Crescent Culvert required full removal of the SPCSPA and installation of a new prefabricated concrete box culvert. Due to the fluctuating water levels, the need to maintain navigability through the structure, and the distance away from suppliers, a concrete box was identified as the most beneficial replacement option. In order to avoid unnecessary infill and allow for proper road width with the new guiderail, prefabricated concrete retaining walls were installed beside the culvert. The SPCSPA was 4.7m wide, 3.7m high, and 20m long while

the new concrete box culvert is 5.4m wide, 3.3m high, and 18.2m long. The new concrete box culvert is anticipated to have a design life of 75 years, with rehabilitation required after 40 – 50 years.

Design was completed by WSP Canada Incorporated and construction was completed by the County's Day Labour forces, overseen by our Construction Supervisor.

**(g) C142 (Quade Creek Culverts) – Township of North Algona Wilberforce**

2021 Budget: \$225,000

Projected: \$150,000

Replacement of Quade Creek Culverts required full removal of the twin corrugated steel pipe rounds (CSPs) and installation of new triple High Density Polyethylene (HDPE) smooth walled pipes. The CSPs were 1.5m diameter and 12m long while the new HDPE pipes are 1.8m diameter and 16m long. The wider diameter and smooth walled pipes were the most cost-efficient option to meet a 10-year design flood event, without greatly increasing the height of the road in the area of the structure. The new HDPE pipes are anticipated to have a 75-year design life.

Design was completed by Public Works and Engineering staff, with design review by WSP Canada Incorporated. Construction was completed by the County's Day Labour forces, overseen by our Construction Supervisor.

**(h) C222 (Pleasant Valley Steel Arch) – Township of Whitewater Region**

2021 Budget: \$200,000

Projected: \$130,000

Replacement of Pleasant Valley Steel Arch required full removal of the SPCSPA and installation of a new, polymer coated, corrugated steel pipe arch (CSPA). The SPCSPA was 3.8m wide, 2.4m high, and 13.9m long while the new CSPA is 3.9m wide, 2.7m high, and 17m long. The higher structure was required in order to accommodate a 10-year design flood event while a longer structure was used to soften the side slopes in the area of the structure. The polymer coated CSPA is anticipated to have a design life of 50 – 75 years.

Design was completed by Public Works and Engineering staff, with design review by HP Engineering Incorporated. Construction was completed by the County's Day Labour forces, overseen by our Construction Supervisor.

**(i) C252 (Vanderploegs Culvert) – Township of McNab/Braeside**

2021 Budget: \$200,000

Projected: \$195,000

Rehabilitation of Vanderploegs Culvert required concrete patching and crack injection. Included in the project removal of silt and debris from the interior of the structure and installation of erosion protection. The rehabilitated structure is anticipated to have a design service life of 15 – 20 years.

Design and Contract Administration were completed by J.L. Richards and Associates Limited and construction was completed by Dalcon Constructors Ltd.

**(j) C300 (Wolfe Road Twin Pipes) – Township of Bonnechere Valley**

2021 Budget: \$200,000

Projected: \$180,000

Replacement of Wolfe Road Twin Pipes required removal of the twin CSPs and installation of a new polymer coated CSPA. The CSPs were 1.5m diameter and 9.8 m long while the new CSPA is 3.9m wide, 2.7m high, and 10m long. A wider and higher pipe arch was needed in order to accommodate a 10-year design flood event. The installation of a mechanically stabilized earth wall was required in order to accommodate an increase in road elevation at the structure while not infilling the Provincially Significant Wetland surrounding it. A significant amount of ground water was encountered while excavating for the new structure which required additional time and consideration to mitigate. Guiderail is scheduled to be installed over the structure in the coming weeks. The polymer coated CSPA is anticipated to have design service life of 50 – 75 years.

Design was completed by Public Works and Engineering staff, with design review by HP Engineering Incorporated. Construction was

completed by the County's Day Labour forces, overseen by our Construction Supervisor.

## 2. **County Road 635 (Swisha Road) – Project Update**

There is a drainage crossing located on County Road 635 (Swisha Road), 0.2 km north of Highway 17, which has been identified to be in poor condition. The drainage crossing consists of a 3.1m deep concrete catchbasin 'inlet' structure connected to a 48.6m long, 1200mm diameter corrugated steep pipe (CSP), reinforced with horizontal rebar, which crosses the road from the south to north. There is approximately 9.5m of cover over the CSP. Due to the great deal of cover, and the unique layout of the drainage crossing, staff anticipate a Design-Build type contract would be the most beneficial means to rehabilitating or replacement of the drainage crossing.

In an effort to include all required site conditions with the Request for Proposal (RFP) for Design-Build services, an RFP for geotechnical investigation in the area of the drainage crossing was issued in July 2021. The contract for geotechnical services was awarded to GEMTEC Geotechnical Engineers and Scientists of Pembroke in the amount of \$12,990 plus HST. Unfortunately, due to locate lead times and COVID-19 quarantining requirements for the boring team delaying the site investigations, the Geotechnical Report was only recently finalized.

Dependant on the rehabilitation or replacement alternative proposed by a Design-Builder, these works may be undertaken in colder weather. However, as we are nearing year end, it would not be possible to complete design and begin construction until well into the new year. As such, it is recommended that the remaining budget funds for this project be carried over to 2022 and that the proposed 2022 budget be updated to include \$85,000 for this project.

## **BY-LAWS**

### **3. County Road 62 (Combermere Road) – Review of Speed Limit from Lakeshore Drive to 500m South of Blueberry Point Lane [Strategic Plan Goal No.2]**

**Recommendation:** THAT the Operations Committee recommend that County Council adopt a By-law to change the speed limit on County Road 62 (Combermere Road) from 80 kph to 70 kph between Lakeshore Drive and 500 metres south of Blueberry Point Lane; AND FURTHER THAT By-law 103-21 to Authorize Speed Limits be repealed.

#### **Background**

The County of Renfrew Public Works and Engineering Department has received a request from the Township of Madawaska Valley to review the current posted speed limit for a section of County Road 62 – Combermere Road in the Township of Madawaska Valley. The Township has submitted the request through the passing of a Township Council Resolution as attached as Appendix IN-II.

After some correspondence with the Township, staff have confirmed that the requested section extends from Rubyville Road to an appropriate distance south of Blueberry Point Lane. In reviewing the location, a change in speed limit to the requested location would leave an approximately 500 metre distance of road as an 80km/hr zone in between the existing 60km/hr zone to the north and the requested zone. The Ontario Traffic Manual, Book 5, advises against having speed limit zones less than 1.5 kilometres in length in rural areas. As such, staff has extended the review north from Rubyville Road to the existing 60km/hr posted speed limit zone. A map is attached as Appendix IN-III to display the location.

The County of Renfrew utilizes the Transportation Association of Canada (TAC) guidelines in establishing posted speed limits along County Roads. The data collected is input into a standardized TAC spreadsheet, which establishes a score and outputs a recommended posted speed limit. The recommendation is further reviewed to confirm compliance with the Ontario Traffic Manuals and Highway Traffic Act.



The results of the TAC speed limit guidelines are attached as Appendix IN-IV. The results indicate a risk score of 43 for this section of County Road 62 - Combermere Road which does meet the requirements for a posted speed limit of 80km/hr. Of note is that a score of 46 would result in a recommendation of 70km/hr.

A significant emphasis for concern appears to be with ingress and egress to Blueberry Point Lane, which has been designed as a seasonal roadway, but appears to be changing in use with permanent residences situated along it. The sightlines or visibility for a northbound vehicle approaching Blueberry Point Lane is approximately 200 metres. The visibility for southbound vehicles exceeds 200 metres. These values meet the requirements to allow a vehicle travelling at 80km/hr to complete a full stop, if needed for a vehicle waiting to turn into the laneway.

We recognize that there are many factors that contribute to the safety of a roadway, including excessive speeding and distracted driving. While a posted speed limit may have some bearing on the operating speeds of drivers, many studies have shown that the most prominent contributing factor is roadway design speed, which leads to driver comfort. Our review of this section of Combermere Road verifies that the horizontal curves meet the requirements for an 80km/hr design speed, with no vertical curves present along this section of roadway.

In reviewing the requested location, it came to our attention that Combermere Road has similar characteristics between Lake Shore Drive and civic address 42302, although this section of roadway is posted as a 60km/hr speed limit. In addition to favourable geometric parameters, it also has widened paved shoulders for pedestrians and cyclists alike. In view of the foregoing, staff would be in favour of creating a posted limit of 70km/hr between Lakeshore Drive and 500 metres south of Blueberry Point Lane.

B180 (Hurds Creek Bridge)  
Township of Bonnechere Valley





B202 (Cameron Street Bridge)  
Township of Killaloe, Hagarty and Richards





B240 (Fourth Chute Bridge)  
Townships of Bonnechere Valley and North Algona Wilberforce



C058 (Constant Creek Culverts)  
Township of Greater Madawaska





C099 (Colton Creek Bridge)  
Township of Greater Madawaska





C116 (Dunlop Crescent Culvert)  
United Townships of Head, Clara and Maria



C142 (Quade Creek Culverts)  
Township of North Algona Wilberforce





C222 (Pleasant Valley Steel Arch)  
Township of Whitewater Region





C252 (Vanderploegs Culvert)  
Township of McNab/Braeside





C300 (Wolfe Road Twin Pipes)  
Township of Bonnechere Valley



## COUNTY OF RENFREW

### BY-LAW NUMBER

#### A BY-LAW TO AUTHORIZE SPEED LIMITS

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WHEREAS Subsection (2) of Section 128 of the Highway Traffic Act, R.S.O. 1990, Chapter H.8, as amended, authorizes the Council of a Municipality by By-law, to prescribe a rate of speed of 40, 50, 60, 70, 80, 90 or 100 kilometres per hour, for motor vehicles driven on a highway or portion of highway under its jurisdiction;

AND WHEREAS it is deemed expedient that the speed limit for motor vehicles on certain highways in the County of Renfrew be decreased, increased or both.

NOW THEREFORE the Council of the Corporation of the County of Renfrew enacts as follows:

1. Notwithstanding any other by-law to the contrary, when the roads as set out on the attached schedule, are marked in compliance with the regulations under the Highway Traffic Act, the maximum rate of speed thereon shall be as outlined in Schedule 'A' attached hereto.
2. The maximum rate of speed for all roads other than those outlined in Schedule 'A', shall be 80 km/h.
3. That the reduced rate of speed in the school safety zones designated in Schedule 'A', be in effect at the times therein specified and on the days during which school is regularly held.
4. That the penalties provided in Subsection (14) of Section 128 of the Highway Traffic Act, shall apply to offences against this By-law.
5. That this By-law shall have full force and effect from the date the portion of Highway is marked out in accordance with the regulations under the Highway Traffic Act.
6. That By-law 103-21 is hereby repealed.

READ a first time this 24th day of November, 2021.

READ a second time this 24th day of November, 2021.

READ a third time and finally passed this 24th day of November, 2021.

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DEBBIE ROBINSON, WARDEN

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PAUL V. MOREAU, CLERK

### SCHEDULE A

COUNTY ROAD	FROM	TO	RATE OF SPEED
1	350m North of the Renfrew County Boundary	600m North of the Renfrew County Boundary	60
1	600m North of County Boundary	Daniel Street North	50
1	Daniel Street North	Division Street	40
1	Division Street	Usborne Street (Southern End)	50
1	Usborne Street (Southern End)	900m North of Usborne Street (Southern End)	60
1	500m South of Dochart Street	Dochart Street	60
1	Dochart Street	700m North of Usborne Street (North End)	50
1	700m North of Usborne Street (North End)	700m North of Toner Road	60
1	700m North of Toner Road	850m East of Mast Road	50
1	850m East of Mast Road	200m West of Mast Road	60
1	Thacker Lane	Grantham Road	60
2	Madawaska Street	Baskin Drive East & West	40
2	Baskin Drive East & West	Campbell Drive	50
2	Campbell Drive	Melanson Road	60
2	Highland Road	Eastern End of Waba Creek Bridge	60
2	Eastern End of Waba Creek Bridge	Burnstown Road	50
3	River Road	400m West of River Road	50
3	400m West of River Road	1.1km West of River Road	60
5	Highway 132	400m East of Riddell Road	60

COUNTY ROAD	FROM	TO	RATE OF SPEED
5	650m South of Highway 60	400m South of Highway 60	60
5	400m South of Highway 60	Highway 60	50
6	Highway 60	Renfrew Town Limit	50
6	Renfrew Town Limit	Highway 17	60
6	Highway 17	Goshen Road	60
7	450m West of Summerfield Drive	500m East of Cedar Haven Road	60
7	350m West of Government Road	50m East of Government Road	60
7	50m East of Government Road	Foresters Falls Southern Limit	50
7	Foresters Falls Southern Limit	250m South of the Foresters Falls Southern Limit	60
8	Highway 17	Behm Line/Snake River Line	50
8	Behm Line/Snake River Line	250m West of Behm Line/Snake River Line	60
10	Baskin Drive West	Elgin Street West/River Road	50
10	Division Street	County Road 2 (Daniel Street)	50
10 - School Safety Zone	500m North of County Road 2 (Daniel Street)	850m North of County Road 2 (Daniel Street)	40 When Flashing
12	Lookout Road	600m South of the Gore Line	60
12	600m South of the Gore Line	Gore Line	50
16	Laurentian Drive	Petawawa Boulevard	50
19	600m North of Robinson Road	Pembroke City Limit	60
20	Highway 60	400m East of Highway 60	50
20	400m East of Highway 60	1.8km East of Highway 60	60
21	1.2km South of Pappin Road	700m South of Watchhorn Drive	70

COUNTY ROAD	FROM	TO	RATE OF SPEED
21	700m South of Watchhorn Drive	500m North of Lapasse Road	50
21	500m North of Lapasse Road	750m North of Lapasse Road	60
22	550m West of Scotch Bush Road	300m West of Scotch Bush Road	60
22	300m West of Scotch Bush Road	500m East of Scotch Bush Road	50
22	500m East of Scotch Bush Road	750m East of Scotch Bush Road	60
23	350m South of Waba Creek Bridge	100m South of Waba Creek Bridge	60
23	100m South of Waba Creek Bridge	Frank Street	50
23	Frank Street	250m North of Frank Street	60
25	Petawawa Boulevard	Victoria Street	50
26	Black Bay Road	Murphy Road	60
26	Murphy Road	Petawawa Boulevard	50
29	Pembroke City Limit	Stoneyfield Drive	60
29	Stoneyfield Drive	Highway 148	50
30	Highway 60	900m East of Highway 60	50
30	900m East of Highway 60	1.0km East of Highway 60	60
34	Calabogie Road	1.3km North of Calabogie Road	60
35	TV Tower Road	Forced Road/Boundary Road East	60
35	Jean Avenue/Forced Road	Trafalgar Road	50
37	400m West of Doran Road	650m West of Doran Road	60
37	Petawawa Boulevard	400m West of Doran Road	50
42	600m West of B Line Road	Pembroke Street West	70
45	White Lake Road	Lenser Drive	60
48	1.7km West of Blind Line	175m East of Blind Line	60
49	Beachburg Road	500m East of Beachburg Road	50

COUNTY ROAD	FROM	TO	RATE OF SPEED
49	500m East of Beachburg Road	750m East of Beachburg Road	60
49	450m South of Gore Line	200m South of Gore Line	60
49	200m South of Gore Line	Gore Line	50
50	Westmeath Road	Phoebe Street	50
50	Phoebe Street	Wright Road	60
50	250m West of Lapasse Road	Lapasse Road	60
51	Pembroke City Limit	1.6km North of the Pembroke City Limit	60
51	Silke Drive	Paquette Road	50
52	White Lake Road	Museum Road	50
52	Museum Road	2.2km North of White Lake Road	60
52	1.65km South of Calabogie Road	1.9km South of Calabogie Road	60
52	1.65km South of Calabogie Road	1.2km North of Calabogie Road	50
52	1.2km North of Calabogie Road	1.45km North of Calabogie Road	60
52	2.7km South of Highway 60	1.2km South of Highway 60	60
52	1.2km South of Highway 60	Highway 60	40
55	Petawawa Boulevard	250m West of Petawawa Boulevard	60
58	1.4km East of Simpson Pit Road	500m East of Simpson Pit Road	60
58	500m East of Simpson Pit Road	Division Road	50
58	Division Road	1.4km West of Division Road	60
58	150m West of B Line Road	100m West of TV Tower Road	70
58	100m West of TV Tower Road	Boundary Road East	50
59	700m East of Highway 17	Madawaska Boulevard	70
61	300m South of Godfrey Road	250m East of Haley Road	60
62	250m West of Ohio Road	White Pine Crescent	60



COUNTY ROAD	FROM	TO	RATE OF SPEED
62	White Pine Crescent	350m South of Palmer Road	50
62	350m South of Palmer Road	100m North of Old Barry's Bay Road	60
62	500m south of Blueberry Point Lane	Lakeshore Drive	70
62	1.1km South of Lakeshore Drive	Lakeshore Drive	60
62	Lakeshore Drive	Highway 60	50
63	Watts Line	Stewartville Road	50
63	Flat Rapids Road	2.1 km North of Flat Rapids Road	60
63	2.1km North of Flat Rapids Road	Calabogie Road	50
65	Matawatchan Road	500m East of Centennial Drive	60
66	Brudenell Road	500m West of Brudenell Road	60
66	Highway 60	1.35km South of Highway 60	60
67	2.4km South of Round Lake Road	700m South of Round Lake Road	60
67	700m South of Round Lake Road	Round Lake Road	50
68	450m East of John Watson Road	200m East of John Watson Road	60
68	200m East of John Watson Road	200m West of Guiney Road	50
68	200m West of Guiney Road	450m West of Guiney Road	60
69	Kartuzy Road	150m West of St. Francis Memorial Drive	60
69	150m West of St. Francis Memorial Drive	300m East of St. Francis Memorial Drive	40
69	300m East of St. Francis Memorial Drive	Highway 60	50
70	250m West of Hoffman Road	Hoffman Road	60
70	Hoffman Road	Western Reserve Limit	50
70	Eastern Reserve Limit	Highway 60	50
71	Highway 41	2.5km East of Highway 41	60
72	Highway 17	County Road 73 (Deep River Road)	40

COUNTY ROAD	FROM	TO	RATE OF SPEED
73	Highway 17	County Road 72 (Ridge Road)	40
508	Calabogie Road/Hydro Dam Road	Centennial Lake Road	60
508	500m West of Norton Road	500m East of Lanark Road	60
508	500m West of Burnstown Road	500m East of Burnstown Road	60
511	Grassy Bay Road	Bluff Point Drive	60
511	Bluff Point Drive	Calabogie Road	50
512	Highway 60	350m North of Ruby Road	40
512	350m North of Ruby Road	100m South of Mountain View Road	60
512	700m North of Foymount Road	Foymount Road	60
512	Brudenell Road	500m East of Brudenell Road	60
512	Sand Road	450m West of Highway 41	60
512	Civic Address 3467 Foymount Road	Miller Road	60
512	450m West of Highway 41	Highway 41	50
514	4.2km North of Highway 28	4.5km North of Highway 28	60
514	4.5km North of Highway 28	5.1km North of Highway 28	50
514	5.1km North of Highway 28	5.4km North of Highway 38	60
515	200m North of River Road	250m North of Burnt Bridge Road	60
515	250m North of Burnt Bridge Road	650m South of Burnt Bridge Road	50
515	650m South of Burnt Bridge Road	900m South of Burnt Bridge Road	60
515	450m West of Letterkenny Road	200m West of Letterkenny Road	60
515	200m West of Letterkenny Road	1.1km East of Letterkenny Road	50
515	1.1km East of Letterkenny Road	1.4km East of Letterkenny Road	60
517	0.4km North of Micks Road	2.2km South of Combermere Road	60
517	2.2km South of Combermere Road	Combermere Road	50

COUNTY ROAD	FROM	TO	RATE OF SPEED
653	800m East of County Road 4	400m West of Boundary with Province of Quebec	70
653	400m West of Boundary with Province of Quebec	Boundary with Province of Quebec (Center of Chenaux Interprovincial Bridge)	50



**THE CORPORATION OF THE TOWNSHIP  
OF MADAWASKA VALLEY**

P.O. Box 1000  
85 Bay Street  
Barry's Bay ON K0J 1B0  
Ph 613-756-2747 Fax 613-756-0553  
[info@madawaskavalley.ca](mailto:info@madawaskavalley.ca)

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**Moved by: Councillor Willmer**      **2021-01-1005**  
**Seconded by: Councillor Peplinski**      **05 October 2021**  
**BE IT RESOLVED**

THAT Council direct staff to request the County of Renfrew evaluate the area south of Blueberry Point towards Ruby Road on Hwy 62 to address safety issues and determine if a speed reduction is warranted.

**X CARRIED.**

*Gwen Dombroski*

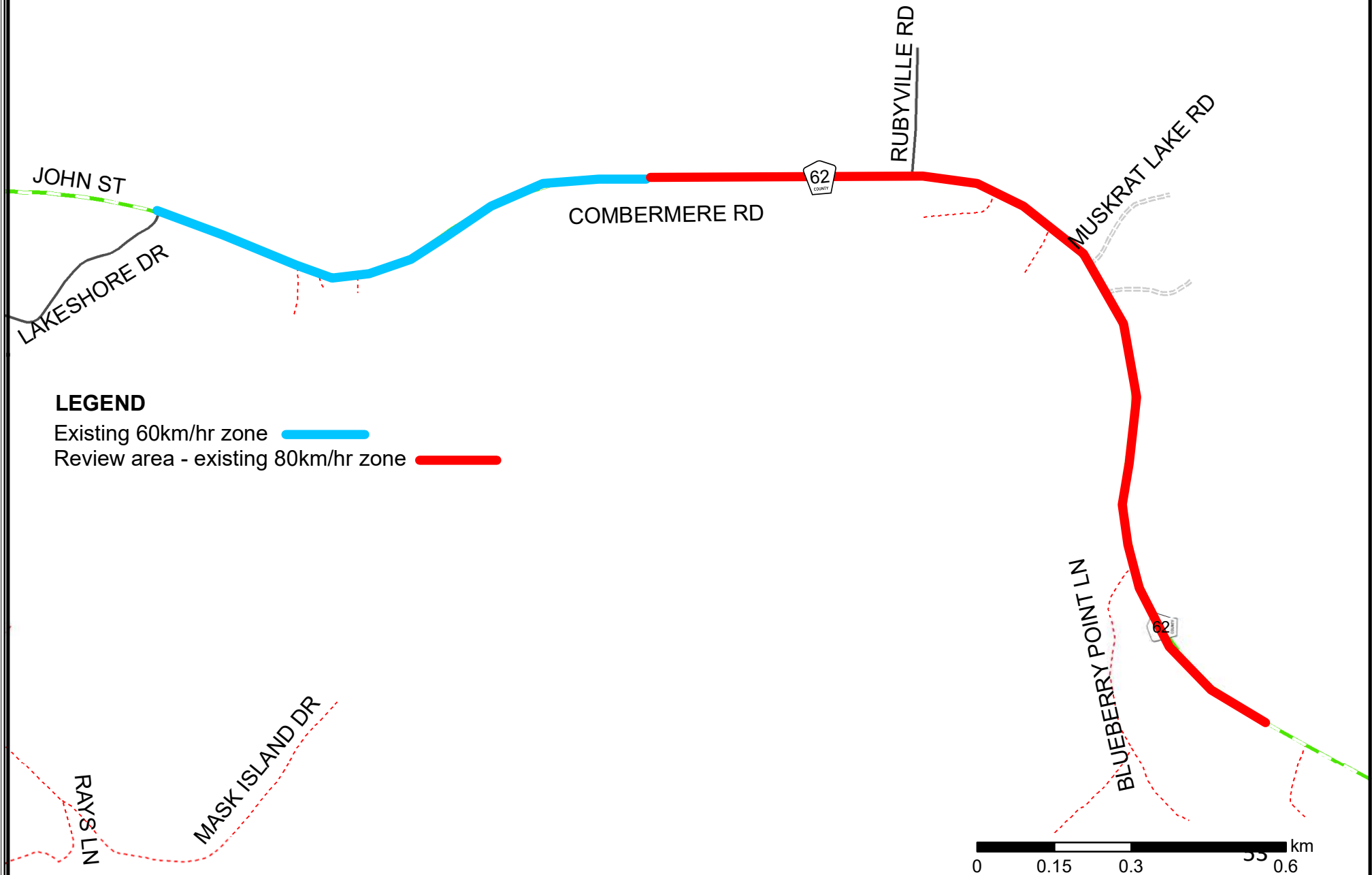
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Gwen Dombroski, Deputy Clerk

Replies to this correspondence can be forwarded electronically to  
[gdombroski@madawaskavalley.ca](mailto:gdombroski@madawaskavalley.ca)

County Road 62 - Combermere Road  
Speed Limit Review  
Lakeshore Drive to 500 metres south of  
Blueberry Point Lane



Appendix IN-III



# County Road 62 - Combermere Road Speed Limit Review



## LEGEND

- Requested zone 
- Extended review 

MASK ISLAND DR

SPEED  
LIMIT  
08

SPEED  
LIMIT  
60

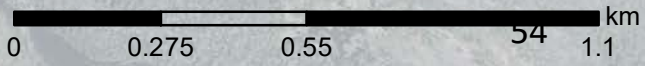
COMBERMERE RD

RUBYVILLE RD

BLUEBERRY POINT LN

62

STRACK LN





# Automated Speed Limit Guidelines

## FORM A - Automated Speed Limit Guidelines Spreadsheet

Version:  
10-Apr-09

Name of Corridor:	County Road 62 - Combermere Road		
Segment Evaluated:	Blueberry Point Lane	to	Rubyville Road
Geographic Region:	Township of Madawaska Valley		
Road Agency:	County of Renfrew		
Road Classification:	Arterial	Length of Corridor:	2,000 m
Urban / Rural:	Rural	Design Speed: (Required for Freeway, Expressway, Highway)	80 km/h
Divided / Undivided:	Undivided	Current Posted Speed: (For information only)	80 km/h
Major / Minor:	Major	Prevailing Speed: (85th Percentile - for information only)	km/h
# Through Lanes Per Direction:	1 lane	Policy: (Maximum Posted Speed)	

		RISK	Score
A1	GEOMETRY (Horizontal)	Lower	3
A2	GEOMETRY (Vertical)	Lower	3
A3	AVERAGE LANE WIDTH	Medium	6
B	ROADSIDE HAZARDS	Medium	6
C1	PEDESTRIAN EXPOSURE	Medium	4
C2	CYCLIST EXPOSURE	Medium	6
D	PAVEMENT SURFACE	Lower	3
E1	NUMBER OF INTERSECTIONS WITH PUBLIC ROADS	Number of Occurrences	4
	STOP controlled intersection	0	
	Signalized intersection	0	
	Roundabout or traffic circle	0	
	Crosswalk	0	
	Active, at-grade railroad crossing	0	
	Sidestreet STOP-controlled or lane	4	
E2	NUMBER OF INTERSECTIONS WITH PRIVATE ACCESS DRIVEWAYS	Number of Occurrences	7
	Left turn movements permitted	24	
	Right-in / Right-out only	0	
E3	NUMBER OF INTERCHANGES	Number of Occurrences	0
	Number of interchanges along corridor	0	
F	ON-STREET PARKING	Lower	1

Total Risk Score:

43

Recommended Posted  
Speed Limit (km/h):

As determined by road characteristics

80

As determined by policy

The recommended posted speed limit may be checked against the prevailing speeds of the roadway and the road's safety performance.

Comments:

## **OPERATIONS DIVISION REPORT**

Prepared by: Richard Bolduc, A.Sc.T., Manager of Operations

Prepared for: Operations Committee

November 8, 2021

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### **INFORMATION**

#### **1. Winter Operations [Strategic Plan Goal No. 2]**

##### **(a) Operational Status and Winter**

The Department reached 100% fleet readiness on October 29, 2021 and the balance of the winter items are anticipated to be achieved by November 15, 2021.

##### **(b) Winter Sand**

The supply, delivery and stockpiling of winter sand at most of the patrol locations are complete. It is anticipated that the final location, the Southwest Patrol, will be completed prior to November 15, 2021.

#### **2. Disposal of Surplus Items [Strategic Plan Goal No. 3]**

The Operations Division reviewed the municipal submissions for the latest circulation of surplus items and awarded the following items under the authority of the Director of Public Works and Engineering to the Township of Brudenell, Lyndoch and Raglan:

- One 2007 International 7600 Tandem for \$7,611.52
- Two Motorola Radius M1225 Radio/Mic for \$184
- Five Motorola HT1250 Handheld Radios for \$500

The balance of the surplus items will be disposed of through public auction.