



OPERATIONS COMMITTEE

Tuesday, September 14, 2021 – 9:30 a.m.

AGENDA

1. Call to order.
2. Roll call.
3. Disclosure of pecuniary interest and general nature thereof.
4. Adoption of minutes of previous meeting held on August 10, 2021 (attached).
5. Delegations – None at time of mailing.
6. Public Works and Engineering Department Page
 - (a) Department Report 3
 - (b) Infrastructure Division Report 25
 - (c) Operations Division Report 68
7. New Business.
8. Closed Meeting – None at time of mailing.
9. Date of next meeting (Tuesday, October 12, 2021) and adjournment.

NOTE: (a) County Council: Wednesday, September 29, 2021.

(b) Submissions received from the public, either orally or in writing may become part of the public record.

Strategic Plan

Strategic Plan Goal # 1: To inform the Federal and Provincial government on our unique needs so that Renfrew County residents get their “fair share”.

Initiatives:

- (a) Create a strategic communications plan
- (b) Identify and advocate for issues important to the County of Renfrew.

Strategic Plan Goal # 2: Fiscal sustainability for the Corporation of the County of Renfrew and its ratepayers.

Initiatives:

- (a) Commitment from Council supporting principles within the Long-Term Financial Plan
- (b) Establish Contingency Plan to respond to provincial and federal financial pressures and opportunities beyond the Long-Term Financial Plan.

Strategic Plan Goal # 3: Find cost savings that demonstrate our leadership while still meeting community needs.

Initiatives:

- (a) Complete community needs assessment
- (b) With identified partners implement plan to optimize service delivery to the benefit of our residents.

Strategic Plan Goal # 4: Position the County of Renfrew so that residents benefit from advances in technology, to ensure that residents and staff have fair, affordable and reasonable access to technology.

Initiatives:

- (a) Ensure that the County of Renfrew is top of the list for Eastern Ontario Regional Network funding for mobile broadband
- (b) Lobby for secure and consistent radio systems for first responders and government
- (c) Put a County of Renfrew technology strategy in place.

COUNTY OF RENFREW

PUBLIC WORKS AND ENGINEERING DEPARTMENT REPORT

TO: Operations Committee

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

DATE: September 14, 2021

SUBJECT: Department Report

INFORMATION

1. **Township of Admaston/Bromley Public Works Assistance**

The Township of Admaston/Bromley has been without a Roads Supervisor for the past two months due to a serious injury to Mr. Chris Kunopaski. As well, the position of Clerk/Treasurer is vacant with the resignation of Allison Vereyken effective September 10, 2021. In keeping with the County of Renfrew User Fee By-law, the County has entered into a Service Level Agreement that will allow the Director of Public Works and Engineering to assist for approximately eight weeks. Mr. Perkins has agreed to be available to the Township on a part-time basis (approximately two days a week). The Service Level Agreement will allow for the recover of time and expenses.

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

Attached as Appendix I is a copy of the June 2021 Treasurer's Report for the Public Works and Engineering Department.

3. **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.

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

Attached as Appendix III is the Capital Program Variance Report. As requested at the August meeting an additional column has been added which provides the costs that will be carried over to 2022.

BY-LAWS

5. **Speed Limit By-law [Strategic Plan Goal No. 1]**

Recommendation: THAT the Operations Committee recommend that County Council approve the changes to the Speed Limit By-law as requested by the Township of Bonnechere Valley; AND FURTHER THAT a By-law to Authorize Speed limits on County Roads be passed; AND FURTHER THAT this change to the By-law be repealed upon completion of the road work on this portion of County Road 512 (Foymount Road).

Background

Attached as Appendix IV is a letter received from the Township of Bonnechere Valley, signed by Mayor Jennifer Murphy that outlines some safety concerns along County Road 512 (Foymount Road) which have been reviewed by the Township of Bonnechere Valley Committee of the Whole.

The letter requests that the County of Renfrew consider a reduction in the posted speed limit of Foymount Road between civic address 3467 Foymount Road and Miller Road from the current 80km/hr to 60km/hr. The total distance of the proposed speed limit reduction zone is approximately seven kilometres in length. It is anticipated that the subject section of road will be reconstructed over the next two years with a design speed of 80km/hr. As construction is completed it is the intent of this Department that the road would revert to an 80km/hr posted speed limit again.

In reviewing the information, staff is in favour of a temporary reduction of the posted speed limit for the subject area from 80km/hr to 60km/hr until such time as the road has been reconstructed.

6. **Policy PW-16 – Renaming of County Roads [Strategic Plan Goal No. 1]**

Recommendation: THAT the Operations Committee recommend that County Council pass a By-law to adopt Policy PW-16 – Renaming of County Roads.

Background

As Committee will recall, the Policy PW-16 – Renaming of County Roads was tabled at the August 10, 2021 meeting of Operations Committee to enable staff to complete further study and bring back to a future meeting. Attached as Appendix V is a revised draft Policy PW-16 - Renaming of County Roads. This policy closely follows the procedure that was followed during the 9-1-1 system addressing, with the inclusion of the first step being a resolution from the local Municipality requesting renaming of the road.

7. Infrastructure Division

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

8. Operations Division

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

2021-08-31

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COUNTY OF RENFREW
TREASURER'S REPORT - Operations Committee
June 2021

	<u>YTD ACTUAL</u>	<u>YTD BUDGET</u>	<u>VARIANCE</u>	<u>FULL YEAR BUDGET</u>
<u>CAPITAL PROGRAM - EXPENSES</u>	<u>199,906</u>	<u>298,834</u>	<u>(98,928)</u>	<u>597,660</u>
Salaries	151,070	146,126	4,944	292,249
Benefits	40,653	36,932	3,721	73,861
COVID	(115)	0	(115)	0
Capital Projects - Under Threshold	0	0	0	0
Legal - Right of Way	0	0	0	0
Misc	1,098	3,000	(1,902)	6,000
Purchased Services	0	0	0	0
Recoveries	0	0	0	0
Infrastructure Management	5,760	98,124	(92,364)	196,250
Supplies	1,440	14,652	(13,212)	29,300
<u>ADMINISTRATION</u>	<u>611,172</u>	<u>551,146</u>	<u>60,026</u>	<u>1,062,694</u>
Salaries	235,900	238,791	(2,891)	477,585
Benefits	72,717	63,621	9,096	127,239
Advertising	11,876	7,000	4,876	25,000
Bad Debts	0	0	0	0
Answering Service	2,783	2,298	485	4,600
Cell Telephone/Pager	5,796	6,600	(804)	13,200
Communications(Radio System)	41,003	35,874	5,129	71,750
Computer Hrdwr/Sftwr	43,405	26,502	16,903	53,000
Conferences & Conventions	0	2,350	(2,350)	7,200
Courier	425	384	41	770
COVID	0	0	0	0
Health & Safety (Protection)	1,647	3,900	(2,253)	42,000
Insurance	128,324	107,500	20,824	107,500
Insurance Claims Expense	22,593	15,000	7,593	30,000
Internet	1,301	2,550	(1,249)	5,100
Legal Fees	4,800	0	4,800	20,000
Membership Fees	5,548	6,400	(852)	8,500
Office Equipment Replacement	193	0	193	4,100
Office Supplies/Publications/Awards	2,657	4,800	(2,143)	10,000
Photocopier Supplies/Maint	1,069	2,100	(1,031)	4,200
Postage	169	228	(59)	450
Recoveries	0	0	0	0
Recoveries - Federal	0	0	0	0
Provincial Grants & Subsidies - COVID	(988)	0	(988)	0
Recruitment	14,687	4,998	9,689	10,000
Surplus Adjustment - Capital	0	0	0	16,000
Surplus Adjustment - From Reserves	0	0	0	(16,000)
Staff Training	9,657	10,002	(345)	20,000
Telephone	4,377	5,598	(1,221)	11,200
Travel	1,231	4,650	(3,419)	9,300
<u>MAINTENANCE</u>	<u>2,385,916</u>	<u>3,066,223</u>	<u>(680,307)</u>	<u>5,878,683</u>
Salaries	954,905	945,029	9,876	1,890,055
Benefits	261,750	261,672	78	523,355
Bridges and Culverts	38,642	13,336	25,306	40,000
Roadside Maintenance	67,911	59,992	7,919	180,000

COUNTY OF RENFREW
TREASURER'S REPORT - Operations Committee
June 2021

	<u>YTD ACTUAL</u>	<u>YTD BUDGET</u>	<u>VARIANCE</u>	<u>FULL YEAR BUDGET</u>
Hard Top Maintenance	57,360	120,002	(62,642)	360,000
Loose Top Maintenance	0	0	0	0
Winter Control	992,797	1,610,196	(617,400)	2,415,273
Safety Devices	33,829	105,994	(72,165)	570,000
Misc	0	0	0	0
Recoveries	(21,277)	(49,998)	28,721	(100,000)
<u>EQUIPMENT</u>	<u>544,719</u>	<u>563,712</u>	<u>(18,993)</u>	<u>1,256,523</u>
Salaries	106,202	105,749	453	211,500
Benefits	33,450	32,566	884	65,135
Salary Allocations	(45,549)	(46,105)	556	(92,212)
Small Equipment, Misc	3,867	7,002	(3,135)	65,600
Vehicle Operating Costs - Fuel	218,228	245,000	(26,772)	435,000
Vehicle Operating Costs - Insurance	46,730	42,500	4,230	42,500
Vehicle Operating Costs - Licence	(192)	0	(192)	59,000
Vehicle Operating Costs - Repairs & Supplies	196,803	186,000	10,803	500,000
Vehicle Operating Revenue	(4,800)	(4,000)	(800)	(20,000)
Provincial Grants & Subsidies - COVID	(58,278)	0	(58,278)	0
Surplus Adjustment - Capital Equipment	86,024	31,000	55,024	893,000
Surplus Adjustment - Trf To Reserves	0	0	0	0
Surplus Adjustment - Trf From Reserves	(27,746)	(31,000)	3,254	(893,000)
Recoveries	(10,019)	(5,000)	(5,019)	(10,000)

COUNTY OF RENFREW
TREASURER'S REPORT - Operations Committee
June 2021

	<u>YTD ACTUAL</u>	<u>YTD BUDGET</u>	<u>VARIANCE</u>	<u>FULL YEAR BUDGET</u>
<u>HOUSING</u>	<u>80,314</u>	<u>98,268</u>	<u>(17,954)</u>	<u>186,550</u>
Operating Expenses	79,212	98,268	(19,057)	162,000
COVID	1,102	0	1,102	0
Major Repairs	0	0	0	24,550
Surplus Adjustment - Capital	0	0	0	230,000
Surplus Adjustment - Trf From Reserves	0	0	0	(230,000)
Misc	0	0	0	0
Recoveries	0	0	0	0
<u>OTHER</u>	<u>2,114,452</u>	<u>2,620,000</u>	<u>(505,548)</u>	<u>19,383,718</u>
Depreciation	4,847,445	4,800,000	47,445	9,600,000
Surplus Adjustment - Depreciation	(4,847,445)	(4,800,000)	(47,445)	(9,600,000)
Surplus Adjustment - Capital Construction	2,114,452	2,620,000	(505,548)	19,383,718
Surplus Adjustment - TRF to Reserves	0	0	0	0
<u>CONSTRUCTION - LABOUR CLEARING ACCOUNT</u>	<u>0</u>	<u>0</u>	<u>(0)</u>	<u>0</u>
Salaries	180,801	171,000	9,801	408,322
Benefits	29,260	33,700	(4,440)	81,393
Charge to Capital Construction above	(210,061)	(204,700)	(5,361)	(489,715)
TOTAL EXPENDITURES	5,936,480	7,198,183	(1,261,703)	28,365,828
<u>ROADS REVENUES</u>				
Municipal Contribution	3,739,846	4,440,187	(700,341)	8,907,110
Donations In Kind	0	0	0	0
Provincial Grants & Subsidies	565,630	678,750	(113,120)	1,357,505
Surplus Adjustment - TRF from Reserves	1,586,115	2,070,000	(483,885)	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	25,118	9,246	15,872	75,000
TOTAL REVENUES	5,936,480	7,198,183	(1,261,703)	28,365,828
Municipal Surplus / (Deficit)	0	0	0	0

**Department of Public Works & Engineering
Capital Monthly Project Status Report - September 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, Paving 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%	40%	September	September	October	October	Geotech underway, will release Design-Build RFP in September
	Laurentian Hills												
BRIDGE/CULVERT RECONSTRUCTION/REHABILITATION													
B002	Bonnechere River Bridge	Admaston/Bromley (Bonnechere Road)			Rehabilitation	100%	100%	100%	May	May	September	October	Design & CA by Stantec, Construction by Clearwater
B095	Hyland Creek Bridge	Greater Madawaska (Hyland Creek Road)			Rehabilitation	100%	100%	100%	April	June	October	October	CoR Day Labour project. Subcontract for cleaning & painting
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	Design & CA by Stantec, Construction by Clearwater
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
C099	Colton Creek Bridge	Greater Madawaska (Matawatchan Road)			Replacement	100%	100%	100%	May	June	July 28	September	Design by HP, Construction by Goldie Mohr
C116	Dunlop Crescent Culvert	Head, Clara & Maria (Dunlop Crescent)			Replacement	100%	100%	100%	May	June	September	September	Design by WSP. CoR Day Labour project.
C142	Quade Creek Culvert	North Algona Wilberforce (Burchat Road)			Replacement	100%	100%	90%	April	May	October	October	Internal Design, CoR Day Labour project
C197	Etmanskies Swamp Culvert	Madawaska Valley (CR62, John Street)			Rehabilitation	100%	100%	50%	2022	2022	2022	2022	Design by JLR, Construction pused to 2022
C201	Broomes Creek Culvert	Whitewater (CR7, Foresters Falls Road)			Rehabilitation of Culvert & Replacement of Dam	100%	100%	60%					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	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	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		Consultant 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 Out
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		2022		RFP Out
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		Geotech & Potential Internal 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	Awaiting Testing/ Delivery
9	Loader Rental	Winter Operations	1	Equipment	July	August	August	November	April	Ongoing
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	Ongoing
15	Calcium Chloride	Winter Operations	1	Material	July	July	July	August	April	Ongoing
16	Crack Sealing	Pavement Preservation	1	Material/Installation	July	August	September	September	October	Ongoing
17	Curb Repair	Preservation	1	Material/Repair	July	August	September	September	October	Ongoing

EQUIPMENT TENDERS										
Tender	Description	Quantity	Type	Specification	Tender	Award	Delivery	Status/Comments		
1	HDT (Heavy Duty Truck)	Combination Plow/Spreaders	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		Awaiting Delivery
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	4x4 - PW	1	New	March	April	April/May	November		Awaiting Delivery
7	Service Vehicle	2 wheel drive - High Roof - PW - ES	1	New	March	April	April/May	November		Awaiting Delivery
8	Equipment Refurbishment(s)	As per Spring Inspection	Varies	Existing	March	April	April	November		Ongoing
9	AVL (Automatic Vehicle Location)	AVL/Telematics	Varies	New	May	June	June	November		Complete
10	Retroreflectometer		1	Replace	April	April	May	September		Ongoing

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	2020	Winter Road Maintenance	October	October	10			Town of Arnprior Review
2	Town of Deep River	County Road 72, County Road 73	2021	Winter Road Maintenance	October	October	10			Complete
3	Town of Renfrew	County Road 20, County Road 52	2020	Winter Road Maintenance			10			Complete
4	Township of Carlo Mayo	County Road 517	2021	Winter Road Maintenance	August	August	Annual			Ongoing
5	Contractor	County Road 635	2021	Winter Road Maintenance	July	July	Annual			Ongoing
6	Algonquins of Pikwakanagan	Golden Lake	2017	Use of facilities and materials	November 1	March 31	5			Complete
7	Bonnechere Valley	Foymount	2017	Use of facilities and materials	November 1	March 31	5			Complete

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

Project Name/Municipality		Location		Lengths	Description				
		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	November
	McNab/Braeside								
1	Elgin Street West/River Road	Madawaska Street	Usborne Street	1.32	Rehabilitation	April	May	July	November
	Arnprior & McNab/Braeside								
5	Stone Road	Berlanquet Road	1574 Stone Road	3.04	Rehabilitation	April	May	August	September
	Admaston/Bromley								
7	Foresters Falls Road	Queens Line	225m East of Government Road	2.60	Rehabilitation	March	April	July	August
	Whitewater Region								
21	Beachburg Road	County Road 49 (Lapasse Road)	Hila Road	7.77	Rehabilitation	April	May	July	October
	Whitewater Region								
51	Petawawa Boulevard	County Road 26 (Doran Street)	County Road 55 (Paquette Road)	1.16	Rehabilitation	March	April	June	August
	Petawawa								
52	Burnstown Road	Fraser Road	Pucker Street	4.28	Rehabilitation	March	April	June	July
	Horton								
65	Centennial Lake Road	Deer Mountain Road	Chimo Road North	4.00	Close Cut Clearing	March	March	April	June
	Greater Madawaska								
65	Centennial Lake Road	220m East of Chimo Road South	554m West of Opal Road	4.00	Rehabilitation	March	April	May	August
	Greater Madawaska								
67	Simpson Pit Road	Byers Creek Road	250m North of Buckhill Road	2.60	Rehabilitation	March	April	September	October
	Killaloe, Hagarty and Richards								
Various	Scratchcoat	Various Locations	Various Locations	11.30	Scratch Coat Paving	May	June	July	September
	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	August Projected	September 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 & 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	100,000	0	0
	<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	9,971,674	-2,394,044	1,639,300
Bridge/Culvert Reconstruction/Rehabilitation									
Structure No.	Structure Name	Location			2021 BUDGET	August Projected	September Projected	Variance	Carry Over
B002	Bonnechere River Bridge	Admaston/Bromley (Bonnechere Road)			400,000	400,000	400,000	0	0
B095	Hyland Creek Bridge	Greater Madawaska (Hyland Creek Road)			200,000	200,000	200,000	0	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	178,000	8,000	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	790,000	800,000	85,000	0
C099	Colton Creek Bridge	Greater Madawaska (Matawatchan Road)			280,000	748,685	748,685	468,685	0
C116	Dunlop Crescent Culvert	Head, Clara & Maria (Dunlop Crescent)			400,000	400,000	405,000	5,000	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	200,000	-800,000	800,000
C222	Pleasant Valley Steel Arch	Whitewater (Pleasant Valley Road)			200,000	200,000	200,000	0	0
C252	Vanderploegs Culvert	McNab/Braeside (Russett Drive)			200,000	200,000	200,000	0	0
C300	Wolfe Road Twin Pipes	Bonnechere Valley (Wolfe Road)			200,000	200,000	200,000	0	0
	General Bridge Repairs	Various Locations			200,000	200,000	200,000	0	0
BRIDGE/CULVERT RECONSTRUCTION/REHABILITATION TOTALS					6,222,000	5,431,685	5,446,685	-775,315	1,402,000
Roads/Bridge/Culvert Future Engineering									
Asset ID	Structure Name	Location			2021 BUDGET	August Projected	September 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	60,000	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	30,000	30,000	0	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	18,000	0	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	596,000	621,000	25,000	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	16,199,359	16,239,359	-3,144,359	3,041,300

COUNTY OF RENFREW

BY-LAW NUMBER

A BY-LAW TO AUTHORIZE SPEED LIMITS

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 28-20 is hereby repealed.

READ a first time this 29th day of September, 2021.

READ a second time this 29th day of September, 2021.

READ a third time and finally passed this 29th day of September, 2021.

DEBBIE ROBINSON, WARDEN

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	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
73	Highway 17	County Road 72 (Ridge Road)	40

COUNTY ROAD	FROM	TO	RATE OF SPEED
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 Bonnechere Valley

49 Bonnechere Street East
P.O. Box 100
Eganville, Ontario K0J 1T0



Phone (613) 628-3101
Fax (613) 628-1336
jenniferm@eganville.com

September 1, 2021

By Email

County of Renfrew Operations Committee

Attention: Mr. Lee Perkins, Director of Public Works & Engineering

RE: Request for Speed Limit Change on County Road 512

On August 10, 2021 the Township of Bonnechere Valley Committee of the Whole reviewed the delayed reconstruction on portions of County Road 512.

The state of County Road 512 from the intersection of Miller Road to Civic number 3467 is unsafe and Council is concerned that it may result in a severe accident due to its poor condition.

The current speed limit on County Road 512 is 80 km/hr. This speed is reasonable on the newly reconstructed portions of the Road however where the road intersects with Miller Road to Civic number 3467 the roads condition is greatly deteriorated and the speed limit of 80km/hr increases the risk of injury to all users of the road.

This letter is to ask the County to please consider a speed limit reduction to 60km/hr for the portion of 512 from Miller Road to Civic number 3467. Your quick attention to this request would be greatly appreciated.

Thank you for your consideration, and we look forward to receiving a response from you.

Sincerely,

Jennifer Murphy

Jennifer Murphy, Mayor, Township of Bonnechere Valley

c.c. Paul Moreau, CAO, County of Renfrew

COUNTY OF RENFREW

BY-LAW NUMBER

**A BY-LAW TO ESTABLISH POLICY PW-16 – RENAMING OF COUNTY ROADS FOR
THE MUNICIPAL ROAD SYSTEM WITHIN THE JURISDICTION OF THE
CORPORATION OF THE COUNTY OF RENFREW**

WHEREAS authority is given to the County of Renfrew, hereinafter referred to as the Corporation, being a municipality authorized by Section 11(3) of the Municipal Act 2001, as amended to pass by-laws regarding highways under the jurisdiction of the Corporation;

AND WHEREAS the Corporation desires to implement a policy regarding the Renaming of County Roads within the jurisdiction of the Corporation.

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

1. That Public Works and Engineering Department Policy PW-16 Renaming of County Roads, as outlined in Schedule “A” attached to and made part of this By-law, shall form part of the Public Works and Engineering Department Policies and Procedures of the Corporation of the County of Renfrew.
2. That this By-law shall not be interpreted to contradict or violate any statute or regulation of the Province of Ontario.
3. That this By-law shall come into force and take effect immediately upon the passing thereof.

READ a first time this 29th day of September, 2021.

READ a second time this 29th day of September, 2021.

READ a third time and finally passed this 29th day of September, 2021.

DEBBIE ROBINSON, WARDEN

PAUL V. MOREAU, CLERK

Corporate Policies & Procedures			
SECTION: Operations		AUTHOR: Director of Public Works and Engineering	POLICY #: PW-16
POLICY: Renaming of County Roads			APPROVED:
DATE: Sept 2021	REV. DATE:	COVERAGE: Public Works and Engineering Department	PAGE #: Page 1 of 2

POLICY STATEMENT

The County of Renfrew as a road authority, has a need to ensure that any road naming on a County Road is consistent with the Department's primary objective of providing and maintaining a safe road system.

BACKGROUND

The County of Renfrew, as the road authority having jurisdiction over County Roads, may make and enforce by-laws and policies pertaining to the renaming for roads.

1. The Municipal Act, 2001, as amended, in Section 11 permits a municipality to pass by-laws pertaining to the public assets of the Municipality for the purpose of exercising its authority under the Act, and to pass by-laws pertaining to highways.

DEFINITIONS

For the purposes of this policy the following definitions shall apply:

"Highway" has the same meaning as provided in the Municipal Act, 2001, Section 1 and pertains only to those highways that fall under the control and jurisdiction of the County of Renfrew.

"Road Allowance" means the land occupied by the highway.

PROCEDURES

1. Proposed road name changes shall be forwarded, by Resolution from the lower tier municipality where the County road is located, to the County of Renfrew's Public Works and Engineering Department, detailing the background and potential changes to the assigned civic addresses.

Corporate Policies & Procedures			
SECTION: Operations		AUTHOR: Director of Public Works and Engineering	POLICY #: PW-16
POLICY: Renaming of County Roads			APPROVED:
DATE: Sept 2021	REV. DATE:	COVERAGE: Public Works and Engineering Department	PAGE #: Page 2 of 2

2. It is absolutely essential that there be no duplication of civic addresses throughout the County of Renfrew to maintain the integrity of the 9-1-1 system. To avoid road name duplication, all proposed new road names are forwarded to the County of Renfrew, Public Works and Engineering Department to be checked against the County Road Name Registry.
3. Proposed changes and supporting documentation are brought to Operations Committee for further discussion with a recommendation to County Council.
4. Once approved by County Council, an "Effective Date" will be established that will provide enough time for municipal, County and emergency service staff to implement the required database and mapping revisions. This date would coincide with the installation of property identification number (PIN) signs and intersection signs.
5. County staff will forward by fax/e-mail and mail a copy of the complete By-law to the lower tier municipality along with any Intersection or PIN Sign orders that are necessary as a result of the changes. The County of Renfrew Sign Shop will give top priority to all signs that are required for address changes.

APPROVALS

The installation of new Road Signage on County Roads shall be approved by the Operations Committee of County Council and authorized by the passing of a By-law by County Council.

INFRASTRUCTURE DIVISION REPORT

Prepared By: Taylor Hanrath, Acting Manager of Infrastructure

Prepared for: Operations Committee

September 14, 2021

INFORMATION

1. Project Updates [Strategic Plan Goal No. 2]

a) C058 (Constant Creek Culverts) Replacement

Replacement of Constant Creek Culverts is anticipated to be completed September 10, 2021. The design for this project was completed internally by Infrastructure Coordinator, Brett Kidd, with Engineering review and stamping by WSP Canada. Construction for the project has been undertaken by the County's Day Labour forces, under the guidance of Construction Supervisor, Daryl Cybulski. The replacement of this structure presented a number of challenges due to the size of the culverts required, the amount of water to be by-passed around the construction area, and the level of groundwater surrounding the excavation. Attached as Appendix IN-I for reference are photos of the constructions progression, with the precast concrete box sections now installed.

b) C099 (Colton Creek Bridge) Replacement

Replacement of Colton Creek Bridge is anticipated to be completed October 1, 2021. The design and contract administration for this project has been undertaken by HP Engineering Incorporated. Construction for the project is being completed by Goldie Mohr Limited.

c) C201 (Broomes Creek Culvert) Dam MCEA

Rehabilitation of Broomes Creek Culvert and reconstruction of a dam directly downstream was budgeted for 2021. However, input from stakeholders has significantly delayed the completion of the Municipal Class Environmental Assessment (MCEA). The Department of Fisheries and Oceans (DFO) in particular has caused significant delays as the Consultant has continually been in contact but is still awaiting input and approval of the MCEA from DFO. Detailed design cannot proceed until

the MCEA project file has been approved by all stakeholder agencies and issued for public consultation.

d) C252 (Vanderploegs Culvert) Rehabilitation

Rehabilitation of Vanderploegs Culvert is anticipated to commence September 20, 2021. The Design and Contract Administration for the project has been undertaken by J.L. Richards & Associates. The construction contract for this project has been awarded to Dalcon Constructors Ltd.

e) B002 (Bonnechere River Bridge) Rehabilitation

The rehabilitation of Bonnechere River Bridge was originally anticipated to commence August 16, 2021; however, the original concrete mix design for the concrete deck did not pass shrinkage requirements on the test slab. The Contractor, Clearwater Structures, and the Design and Contract Administration Consultant, Stantec Consulting, are working together to adjust the mix design to meet the needs of the new deck top. Public Works staff will continue to monitor the schedule for this project and may recommend the delay of construction to 2022 in order to avoid ill effects of cold weather on the pouring of the concrete deck.

f) B057 (Mount St. Patrick Bridge) Design

The design and MCEA for the replacement or rehabilitation of Mount St. Patrick Bridge has been awarded to HP Engineering Incorporated. The final design alternative for the structure is to be confirmed. At this time staff anticipate that superstructure replacement or replacement with precast concrete culvert may be the most effective solution, dependant on the strength of the existing abutments.

RESOLUTIONS

2. Asset Management Plan Updates [Strategic Plan Goal No. 2]

Recommendation: THAT the Operations Committee approve the recommended updates to the 10 Year Capital Asset Management Plans for Roads, Bridges, and Culverts.

Background

Attached as Appendix IN-II are the updated 10 Year Capital Asset Management Plans for Roads, Bridges, and Structural Culverts with recommended changes highlighted.

Four 2021 Capital Projects are projected to have carry-over budget. Reconstruction of Foymount Road has been scheduled over two phases, from B257 (Harrington Creek Bridge) to Buelow Road scheduled for 2022 (including replacement of B257) and from Buelow Road to Miller Road scheduled for 2023. Rehabilitation of B319 (Bucholtz Bridge) has been scheduled for 2022, with a budget increased to \$950,000 based on prices received for the 2021 project. C197 (Etmanskie Swamp Culvert) has been scheduled for 2022 with a budget increased to \$1,100,000; this budget increase is based on the significantly greater scope of work associated with replacement over the originally anticipated rehabilitation. C201 (Broomes Creek Culvert) has been scheduled for 2023, with funds allocated in 2022 for design; this move two years out is primarily due to the long lead times already occurring through stakeholder review and the anticipated effect on detailed design.

In total, approximately \$3,041,300 is projected for carry-over into 2022 and has been utilized to boost the 2022 target budget. However, due to necessary budget increases for a number of the projects identified above, the carry-over budget does not sufficiently increase the budget targets over the next two years to accommodate these projects. As such, as seen in the appendices, we are projecting a budget request significantly over targets in 2022 and 2023 with a recommendation to approve in order to refrain from cascading effects through future years in the Asset Management Plan.

BY-LAWS

3. County Road 12 (Westmeath Road) Road Widening [Strategic Plan Goal No. 2]

Recommendation: THAT the Operations Committee recommend that County Council pass a By-Law to acquire Part 1 on Plan 49R-19818 from Andrea Burde in the amount of \$1,500; AND FURTHER THAT Part 1 on Plan 49R-19818 be dedicated as part of the public highway upon registration of the transfer documents.

Background

In the spring of this year an application for consent was submitted by the owner of the subject property along County Road 12 (Westmeath Road) within part of Lot 20, Concession 6, in the geographic Township of Westmeath in the Township of Whitewater Region. During the review it was determined that a portion of land was required for the future road widening and maintenance of Westmeath Road in accordance with Corporate Policy No. PW-12 – Right of Way Protection.

The property to be transferred to the County is identified as Part 1 on Plan 49R-19818. The total area of the land to be transferred is 0.497 acres. A review of recent property transactions was completed, and fair market value has been determined to be \$1,500. A copy of a map showing the applicants' lands and a copy of Plan 49R-19818 are attached as Appendix IN-III and Appendix IN-IV respectively.

4. County Road 66 (Wilno South Road) Road Widening – Murack [Strategic Plan Goal No. 2]

Recommendation: THAT the Operations Committee recommend that County Council pass a By-Law to acquire Parts 1, 2, 4, 5, 6, 7 and 8 on Plan 49R-19721 from Michael Murack, Anthony Murack, Catherine Bloskie and the estate of Peter Murack for the amount of \$3,108.50; AND FURTHER THAT Parts 1, 2, 4, 5, 6, 7 and 8 on Plan 49R-19721 be dedicated as part of the public highway upon registration of the transfer documents.

Background

In the summer of 2020 an application for consent was submitted by the owners of the subject property along County Road 66 (Wilno South Road) within part of Lot 1, Concession 3 and 4 in the geographic Township of Sherwood in the Township of Madawaska Valley. During the review it was determined that a portion of land was required for the future road widening and maintenance of Wilno South Road in accordance with Corporate Policy No. PW-12 – Right of Way Protection.

The property to be transferred to the County is identified as Parts 1, 2, 4, 5, 6, 7 and 8 on Plan 49R-19721. The total area of the land to be transferred is 2.098 acres. A certified land appraisal has been completed by Rivington Commercial Appraisers and fair market value has been determined to be

\$3,108.50. A copy of a map showing the applicants' lands and a copy of Plan 49R-19721 are attached as Appendix IN-V and Appendix IN-VI respectively.

5. **County Road 66 (Wilno South Road) Road Widening – Bloskie [Strategic Plan Goal No. 2]**

Recommendation: THAT the Operations Committee recommend that a By-Law be passed to acquire Part 3 on Plan 49R-19721 from Catherine and Michael Bloskie for the amount of \$500; AND FURTHER THAT Part 3 on Plan 49R-19721 be dedicated as part of the public highway upon registration of the transfer documents.

Background

As a part of the review of the same application described above, a portion of property required for road widening was found to not be a part of the estate or therefore the consent application. However, it is owned by a relative to the applicants and an effort was made to secure the required road widening at the same time. The property is described as part of Lot 1, Concession 4, in the geographic Township of Sherwood in the Township of Madawaska Valley, more particularly as Part 3 on Plan 49R-19721. The owners are in favour of transferring the property to the County. At an area of 0.07 acres, the land value has been determined to be the minimum in accordance with Corporate Policy PW-12 – Right of Way Protection which is \$500.

A copy of a map showing the applicants' lands and a copy of Plan 49R-19721 are attached as Appendix IN-V and Appendix IN-VI respectively.

6. **Installation of Pedestrian Crossings**

Recommendation: THAT the Operations Committee recommend County Council pass three separate By-Laws designating the following locations as Pedestrian Crossings:

- a) County Road 8 (Main Street) at Crawford Street;
- b) County Road 12 (Westmeath Road) at Grace Street; and
- c) County Road 21 (Beachburg Road) at Cameron Street.

Background

The County of Renfrew has received a request from the Township of

Whitewater Region to permit the installation of Pedestrian Crossings on three County Roads within the Township. The locations being considered are County Road 8 (Main Street) at Crawford Street, County Road 12 (Westmeath Road) at Grace Street and County Road 21 (Beachburg Road) at Cameron Street.

Each of the locations would promote and enhance the safe movement of children walking to school as well as providing a safe crossing for all pedestrians within these communities. A copy of Township Resolution No. 2019-3919 is attached as Appendix IN-VII.

In accordance with Corporate Policy No. PW-14 – Pedestrian Crossings on County Roads, a Level 2 Type C Pedestrian Crossing would be appropriate for these locations. An excerpt from Ontario Traffic Manual Book 15 – Pedestrian Crossing Treatments, has been attached as Appendix IN-VIII to display the outline of the crossing.

In order to permit the installation, the County must first designate the subject locations as a Pedestrian Crossover by the passing of By-laws. As a condition of the County's Policy, the Township of Whitewater Region is required to and has agreed to accept responsibility for all costs associated with the initial construction of the crossings including pavement markings and signage. The Township will also be responsible for the future replacement of the Pedestrian Crossing equipment. The County will be responsible for the annual maintenance of the crossing and signage.

A copy of maps showing the requested crossing locations is attached as Appendix IN-IX.





10 Year Capital Planned Works

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Roads	13,295,936	14,253,390	13,209,370	14,316,302	14,311,152	14,651,893	14,769,225	15,813,549	15,230,467	16,470,639
Bridges	\$ 6,674,000	\$ 3,656,000	\$ 3,735,000	\$ 3,115,200	\$ 2,946,400	\$ 3,280,060	\$ 3,501,940	\$ 3,231,000	\$ 2,660,000	\$ 2,295,000
Culverts	\$ 3,441,000	\$ 3,904,500	\$ 2,800,000	\$ 2,678,000	\$ 2,777,000	\$ 2,638,500	\$ 2,851,000	\$ 2,998,500	\$ 4,232,500	\$ 3,776,000
Total	\$ 23,410,936	\$ 21,813,890	\$ 19,744,370	\$ 20,109,502	\$ 20,034,552	\$ 20,570,453	\$ 21,122,165	\$ 22,043,049	\$ 22,122,967	\$ 22,541,639

10 Year Plan Budget Target & Variance

Target	21,240,672	18,654,356	19,120,715	19,598,733	20,088,701	20,645,067	21,180,306	21,691,475	22,174,167	22,779,722
Variance/Reserves	(2,170,265)	(3,159,534)	(623,655)	(510,769)	54,149	74,614	58,141	(351,574)	51,200	238,083

10 Year Capital Plan 2022-2031																																										
Road Sections																																										
Asset ID	Split ID	Road No.	Road Name	Section Description	From LR	To LR	Length (km)	Lanes	X Sec.	Adjusted AADT (1% /yr)	Posted Speed	PCI	2020 Program	Updated Program	Cost/km	Cost	PCI @ Plan Year	2020 Plan Year	Updated Plan Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031													
																			Annual Total	\$ 13,295,936	\$ 14,253,390	\$ 13,209,370	\$ 14,316,302	\$ 14,311,152	\$ 14,651,893	\$ 14,769,224.79	\$ 15,813,548.89	\$ 15,230,466.86	\$ 16,470,639.21													
																			SCRATCH COAT	\$ 737,924	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000													
																			ACTIVE TRANSPORTATION	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000													
10197		1	Madawaska Blvd	B258 W Exp Jnt-to-Daniel St	1.95	1.99	0.04	4	U	13813	50	53.7	MR1-U	MR1-U	356,714	14,269	52	2022	2022	14,269																						
10213		1	Madawaska Blvd	Daniel St-to-Elgin St	1.99	2.46	0.47	2	U	10718	50	53.7	MR1-U	MR1-U	309,693	145,556	52	2022	2022	145,556																						
11512		1	River Road	Henry Crescent-to-Lochwinnoch Rd	15.03	17.39	2.36	2	R	1314	80	38.6	PR2	PR2	328,000	774,080	37	2022	2022	774,080																						
20880		2	White Lake Road	Mountain View Rd-to-Robertson Line	8.73	10.04	1.31	2	R	3506	80	54.2	MR1-R	MR1-R	207,350	271,629	52	2022	2022	271,629																						
21013		2	White Lake Road	Robertson Line-to-Cty Rd 23 (Highland Rd)	10.04	13.22	3.18	2	R	3506	80	52.2	MR1-R	MR1-R	203,000	645,540	50	2022	2022	645,540																						
21334		2	White Lake Road	Cty Rd 23 (Highland Rd)-to-Waba Creek Bdge E Exp Jnt	13.22	14.17	0.95	2	R	2455	60	63.9	R1	R1	180,543	171,516	62	2022	2022	171,516																						
70788		7	Foresters Falls Rd	Harriet Street (urban begins)-to-Beginning of semi-urban	9.57	10.22	0.65	2	U	645	50	32.6	REC-2	REC-2	550,000	357,500	31	2022	2022	357,500																						
130427		13	Mountain Rd	Micksburg Rd-to-Soike Rd	4.26	5.66	1.40	2	R	392	80	37	PR1	PR1	215,000	301,000	35	2022	2022	301,000																						
130567		13	Mountain Rd	Soike Rd-to-Stafford Third Line	5.66	7.04	1.38	2	R	392	80	39	PR1	PR1	215,000	296,700	37	2022	2022	296,700																						
210506		21	Beachburg Rd	Buchannan's Pit Entrance (1046)-to-Pappin Rd	5.09	6.19	1.10	2	R	1168	70	52.8	B&S 2	B&S 2	376,000	411,720	51	2022	2022	411,720																						
210635		21	Beachburg Rd	Pappin Rd-to-Watchorn Dr	6.19	7.24	1.05	2	R	1168	70	53	PR2	PR2	332,686	348,322	51	2022	2022	348,322																						
210746		21	Beachburg Rd	Watchorn Dr-to-Urban Beginning	7.24	7.57	0.34	2	R	1977	50	52	PR2	PR2	330,343	110,665	50	2022	2022	110,665																						
230000	1	23	Highland Rd	Renfrew/Lanark Line-to-Sawmill Road	0.00	1.51	1.51	2	R	996	80	37.5	PR1	PR1	215,000	324,650	36	2022	2022	324,650																						
240408		24	White Water Rd	Hwy 17-to-Cty Rd 40 (Greenwood Rd)	3.99	6.44	2.45	2	R	2581	80	33.3	PR2	PR2	337,371	826,560	32	2022	2022	826,560																						
290000		29	Drive Inn Rd	City of Pembroke (South Limits)-to-Wilson Rd	0.00	1.06	1.06	2	R	3832	60	56.8	R1	R1	178,000	188,680	55	2022	2022	188,680																						
290112		29	Drive Inn Rd	Wilson Rd-to-Clearview Crescent	1.06	2.15	1.09	2	R	3429	60	71.3	R1	R1	178,000	194,020	70	2022	2022	194,020																						
620071		62	Combermere Rd	Combermere S Urban Lt-to-Combermere N Urban Lt	1.76	2.01	0.25	2	U	1948	50	76.3	MICRO	MICRO	60,429	15,107	75	2022	2022	15,107																						
620122		62	Combermere Rd	Combermere North Urban Limit-to-Cty Rd 517 (Dafoe Rd)	2.01	2.16	0.15	2	S	1948	50	78.5	MICRO	MICRO	63,000	9,450	77	2022	2022	9,450																						
620248		62	Combermere Rd	Cty Rd 517 (Dafoe Rd)-to-Combermere Bdge S Exp Jnt	2.16	2.25	0.09	2	R	1948	50	86.6	MICRO	MICRO	75,000	6,750	85	2022	2022	6,750																						
620266		62	Combermere Rd	Combermere Bdge S Exp Jnt-to-CR 515 (Palmer Rd)	2.25	2.77	0.52	2	R	1948	60	83.8	MICRO	MICRO	60,857	31,646	82	2022	2022	31,646																						
651456		65	Centennial Lake Rd	Black Donald Access Point-to-Deer Mountain Rd	15.09	19.38	4.29	2	R	459	80	14.8	B&S 1	B&S 1	263,000	1,128,270	13	2022	2022	1,128,270																						
670867		67	Simpson Pit Rd	Buck Hill Rd-to-Cty Rd 58 (Round Lake Rd)	8.61	10.03	1.42	2	S	1169	80	49.5	REC-2	REC-2	550,000	781,000	48	2022	2022	781,000																						
5081430		508	Calabogie Rd	Mill St-to-Cty Rd 511 (Lanark Rd)	14.71	16.65	1.94	2	R	1985	60	35.2	PR2	PR2	328,000	636,320	33	2022	2022	636,320																						
5121399	A	512	Foymount Rd	County Road 66-to-Brudenell East Limit	14.34	14.72	0.38	2	S	815	60	42.7	B&S 1	B&S 1	263,000	99,940	41	2022	2022	99,940																						
5121485		512	Foymount Rd	Brudenell Village East Limit-to-Lorwell Lake Drive	14.72	17.25	2.53	2	S	815	80	17.9	PR1	PR1	215,000	543,950	16	2022	2022	543,950																						
5121739		512	Foymount Rd	Lorwell Lake Drive-to-Hubers Rd	17.25	18.02	0.77	2	R	815	80	43.8	B&S 1	B&S 1	263,000	202,510	42	2022	2022	202,510																						
5122576	2	512	Foymount Rd	B257-to-Lake Clear Rd	27.98	29.26	1.28	2	R	1187	80	5	REC-2	REC-2	550,000	704,000	3	2021	2022	704,000																						
5122945		512	Foymount Rd	Lake Clear Rd-to-Buelow Rd	29.26	30.69	1.43	2	R	1187	80	5	B&S 2	B&S 2	376,000	537,680	3	2021	2022	537,680																						
5123091		512	Foymount Rd	Buelow Rd-to-Verch Rd	30.69	32.68	1.99	2	R	1187	80	12.1	REC-2	REC-2	550,000	1,094,500	10	2021	2022	1,094,500																						
5170504	1	517	Dafoe Rd	Serran Road - to - CA 2532	4.93	5.56	0.63	2	R	830	60	22.8	B&S 1	B&S 1	263,000	165,690	21	2022	2022	165,690																						
5170504	2	517	Dafoe Rd	CA 2532-to-CA 2647	5.56	6.12	0.56	2	R	830	60	38.6	B&S 1	B&S 1	266,757	149,384	37	2022	2022	149,384																						
5170504	3	517	Dafoe Rd	CA 2647-to-Lower Craigmont Rd	6.12	6.49	0.37	2	R	830	60	19.1	B&S 1	B&S 1	263,000	97,310	17	2022	2022	97,310																						
5170664		517	Dafoe Rd	Lower Craigmont Rd-to-Cty Rd 62 (Combermere Rd)	6.49	8.15	1.66	2	S	830	50	21.1	REC-1	REC-1	435,000	722,100	19	2022	2022	722,100																						
11748		1	River Road	Lochwinnoch Rd-to-Storie Rd	17.39	18.59	1.20	2	R	1145	80	34.6	PR2	PR2	330,343	396,411	31	2023	2023		396,411																					
11871		1	River Road	Storie Rd-to-County CP Trail	18.59	19.66	1.07	2	R	1145	80	29	PR2	PR2	328,000	350,960	25	2023	2023		350,960																					
30000		3	Usborne Street	Cty Rd 1 (River Rd)-to-Braeside West Limits	0.00	0.38	0.38	2	S	1171	50	59.6	MR1-U	MR1-U	235,107	89,341	56	2023	2023		89,341																					

10 Year Capital Plan 2022-2031

Road Sections																				2022	2023	2024	2025	2026	2027	2028	2029	2030	2031																					
Asset ID	Split ID	Road No.	Road Name	Section Description	From LR	To LR	Length (km)	Lanes	X Sec.	Adjusted AADT (1% /yr)	Posted Speed	PCI	2020 Program	Updated Program	Cost/km	Cost	PCI @ Plan Year	2020 Plan Year	Updated Plan Year																															
																				Annual Total	\$ 13,295,936	\$ 14,253,390	\$ 13,209,370	\$ 14,316,302	\$ 14,311,152	\$ 14,651,893	\$ 14,769,224.79	\$ 15,813,548.89	\$ 15,230,466.86	\$ 16,470,639.21																				
60290		6	Gillan Rd	Lime Kiln Rd-to-Hwy 17	2.87	3.73	0.86	2	R	2505	60	66.7	MICRO	MICRO	60,000	51,600	63	2023	2023		51,600																													
60376		6	Lochwinnoch Rd	Hwy 17-to-Thomson Rd	3.73	5.82	2.09	2	R	941	80	78.4	MICRO	MICRO	65,571	137,044	75	2023	2023		137,044																													
60588		6	Lochwinnoch Rd	Thomson Rd-to-Yantha Rd	5.82	8.59	2.77	2	R	941	80	79.1	MICRO	MICRO	65,143	180,446	76	2023	2023		180,446																													
60868		6	Lochwinnoch Rd	Yantha Rd-to-Miller Rd	8.59	9.75	1.16	2	R	941	80	84.3	MICRO	MICRO	66,857	77,554	81	2023	2023		77,554																													
200000		20	Bruce St	Hwy 60-to-Urban Limit	0.00	0.48	0.48	2	U	7296	50	80.4	MICRO	MICRO	74,571	35,794	77	2023	2023		35,794																													
200047		20	Bruce St	Urban Limit-to-Cobus Rd	0.48	1.78	1.30	2	S	6037	60	77	MICRO	MICRO	70,714	91,929	73	2023	2023		91,929																													
200180		20	Bruce St	Cobus Rd-to-Hwy 17	1.78	3.11	1.33	2	R	6037	80	75.4	MICRO	MICRO	60,000	79,800	72	2023	2023		79,800																													
211762		21	Beachburg Rd	Hila Rd-to-Cty Rd 12 (Westmeath Rd)	17.12	18.82	1.70	2	R	2000	80	81.3	MICRO	MICRO	61,714	104,853	78	2023	2023		104,853																													
211935		21	Beachburg Rd	Cty Rd 12 (Westmeath Rd)-to-Finchley Rd	18.82	21.31	2.50	2	R	3639	80	81.8	MICRO	MICRO	61,286	152,969	78	2023	2023		152,969																													
230000	2	23	Highland Rd	Sawmill Rd-to-Frank St	1.51	2.10	0.59	2	R	996	50	56.8	R1	R1	178,000	105,020	53	2023	2023		105,020																													
230205		23	Highland Rd	Frank St-to-Cty Rd 2 (White Lake Rd)	2.10	3.77	1.67	2	R	996	80	55.9	R1	R1	178,000	297,260	52	2023	2023		297,260																													
240146		24	White Water Rd	Stafford Third Line-to-Hwy 17	1.42	3.99	2.57	2	R	2070	80	44.4	PR2	PR2	335,029	861,023	41	2023	2023		861,023																													
300000		30	Lake Dore Rd	Hwy 60-to-St. John's Church Steps	0.00	0.40	0.40	2	S	1530	50	56.4	REC-UNS	REC-UNS	1,127,000	455,308	53	2022	2023	75,000	455,308																													
300035		30	Lake Dore Rd	St. John's Church Steps-to-Lovers Lane	0.40	1.60	1.19	2	R	1530	60	21.9	PR2	PR2	328,000	390,976	18	2022	2023	25,000	390,976																													
300154		30	Lake Dore Rd	Lovers Lane-to-Sperberg Rd	1.60	3.26	1.67	2	R	1530	80	32.5	B&S 2	B&S 2	376,000	627,168	29	2023	2023		627,168																													
370000		37	Murphy Rd	Hwy 17-to-Cty Rd 26 (Doran St)	0.00	2.16	2.16	2	R	1955	80	25.4	PR2	PR2	328,000	708,480	22	2023	2023		708,480																													
370220		37	Murphy Rd	Cty Rd 26 (Doran St)-to-Cty Rd 51 (Petawawa Blvd)	2.16	3.09	0.93	2	S	4637	50	39	PR2	PR2	346,743	322,471	35	2023	2023		322,471																													
420000		42	Forest Lea Rd	Hwy 17-to-B Line Rd	0.00	2.17	2.17	2	R	2612	70	83	MICRO	MICRO	69,000	149,730	79	2023	2023		149,730																													
420220		42	Forest Lea Rd	B Line Rd-to-Meadowbrook Dr West Junction	2.17	3.59	1.42	2	R	3096	70	69.1	MICRO	MICRO	69,429	98,589	66	2023	2023		98,589																													
420365		42	Forest Lea Rd	Meadowbrook Dr West Junction-to-Cty Rd 51 (Pembroke St W)	3.59	4.22	0.63	2	S	3096	70	82.5	MICRO	MICRO	69,429	43,740	79	2023	2023		43,740																													
450057		45	Russett Dr	Vanjumar Rd-to-Nieman Dr	0.54	2.49	1.95	2	R	3783	80	56	MR1-R	MR1-R	203,000	395,850	52	2023	2023		395,850																													
450256		45	Russett Dr	Nieman Dr-to-Scheel Dr	2.49	4.30	1.81	2	R	1657	80	65.8	MR1-R	MR1-R	203,000	367,430	62	2023	2023		367,430																													
581834		58	Round Lake Rd	Deer Trail Rd-to-Turners Rd	18.24	19.77	1.53	2	R	1791	80	53	MR1-R	MR1-R	203,000	310,590	49	2023	2023		310,590																													
581990		58	Round Lake Rd	Turners Rd-to-Bonnechere R Bdge W Exp Jnt	19.77	20.76	0.99	2	R	1335	80	61.8	MR1-R	MR1-R	203,000	200,970	58	2023	2023		200,970																													
651074	2	65	Centennial Lake Rd	2872 Centennial Lake Rd-to-Black Donald Access Point	13.46	15.09	1.63	2	R	459	80	22	B&S 1	B&S 1	263,000	428,690	18	2023	2023		428,690																													
5081255		508	Calabogie Rd	Cty Rd 34 (Norton Rd)-to-Mill St	12.87	14.71	1.84	2	R	1985	60	43.5	PR2	PR2	328,000	603,520	40	2023	2023		603,520																													
5083481		508	Calabogie Rd	Goshen Rd-to-Nabarr Rd	35.61	37.11	1.50	2	R	1801	80	54.2	R1	R1	180,543	270,814	51	2023	2023		270,814																													
5083629		508	Calabogie Rd	Nabarr Rd-to-Cty Rd 63 (Stewartville Rd)	37.11	38.58	1.47	2	R	1801	80	67.9	R1	R1	179,271	263,529	64	2023	2023		263,529																													
5083772		508	Calabogie Rd	Cty Rd 63 (Stewartville Rd)-to-Hwy 17	38.58	39.97	1.39	2	R	1801	80	61.5	R1	R1	181,814	252,722	58	2023	2023		252,722																													
5121815		512	Foymount Rd	Hubers Rd-to-McCauley Mountain Rd	18.02	20.53	2.51	2	R	815	80	41.3	PR1	PR1	215,000	539,650	38	2023	2023		539,650																													
5122070		512	Foymount Rd	McCauley Mountain Rd-to-Cty Rd 515 (Quadeville Rd)	20.53	21.27	0.74	2	R	815	80	41.3	PR1	PR1	215,000	159,100	38	2023	2023		159,100																													
5122145		512	Foymount Rd	Cty Rd 515 (Quadeville Rd)-to-Sebastopol Dr	21.27	22.24	0.97	2	R	815	80	37.7	B&S 1	B&S 1	272,393	264,221	34	2023	2023		264,221																													
5122243		512	Foymount Rd	Sebastopol Dr-to-Cty Rd 64 (Opeongo Rd)	22.24	23.12	0.88	2	R	815	80	21.62	PR1	PR1	215,000	189,200	18	2023	2023		189,200																													
5123291		512	Foymount Rd	Verch Rd-to-Miller Rd (Heidemans Lumber)	32.68	34.55	1.87	2	R	1187	80	10.8	B&S 2	B&S 2	376,000	703,120	7	2021	2023		703,120																													
5150220		515	Palmer Rd	Riverside Dr-to-McPhee Bay Rd	2.28	4.47	2.19	2	R	1167	80	52.7	MR1-R	MR1-R	205,900	450,921	49	2023	2023		450,921																													
5150443		515	Palmer Rd	McPhee Bay Rd-to-Finch Rd	4.47	6.54	2.07	2	R	1167	80	70	MR1-R	MR1-R	205,900	426,213	66	2023	2023		426,213																													
5150652		515	Palmer Rd	Finch Rd-to-Palmer Rapids Dam Rd	6.54	8.35	1.81	2	R	920	80	56.4	MR1-R	MR1-R	220,400	398,924	53	2023	2023		398,924																													
5151130		515	Palmer Rd	Palmer Rapids S Urban Lmt-to-Palmer Rapids N Urban Lmt	11.39	11.94	0.55	2	U	920	50	55.4	MR1-U	MR1-U	227,000	124,850	52	2023	2023		124,850																													
5151248		515	Palmer Rd	Palmer Rapids N Urban Lmt-to-Cty Rd 514 (Schutt Road)	11.94	13.04	1.10	2	R	920	80	74.9	R1	R1	178,000	195,800	71	2023	2023		195,800																													
5170219	1	517	Dafoe Rd	Radcliffe Twp (Coulas Rd)-to-CA 2049	2.20	3.20	1.00	2	R	306	60	27.1	B&S 1	B&S 1	263,000	263,000	24	2023	2023		263,000																													
5170219	2	517	Dafoe Rd	CA 2049-to-Peplinskie Rd	3.20	4.40	1.20	2	R	306	60	24.8	B&S 1	B&S 1	263,000	315,600	21	2023	2023		315,600																													
5170448		517	Dafoe Rd	Peplinskie Rd-to-Serran Rd	4.40	4.93	0.53	2	R	830	60	20.2	REC-1	REC-1	435,000	230,550	17	2023	2023		230,550																													
10459		1	River Road	Moore St-to-Dochart St	4.39	6.49	2.10	2	R	4446	80	46.6	PR2	PR2	328,000	688,800	41	2024	2024																															

10 Year Capital Plan 2022-2031																															
Road Sections																			2022	2023	2024	2025	2026	2027	2028	2029	2030	2031			
Asset ID	Split ID	Road No.	Road Name	Section Description	From LR	To LR	Length (km)	Lanes	X Sec.	Adjusted AADT (1% /yr)	Posted Speed	PCI	2020 Program	Updated Program	Cost/km	Cost	PCI @ Plan Year	2020 Plan Year											Updated Plan Year		
																				Annual Total	\$ 13,295,936	\$ 14,253,390	\$ 13,209,370	\$ 14,316,302	\$ 14,311,152	\$ 14,651,893	\$ 14,769,224.79	\$ 15,813,548.89	\$ 15,230,466.86	\$ 16,470,639.21	
11981		1	River Road	County CP Trail-to-Castleford Bdge S Exp Jnt	19.66	21.83	2.17	2	R	1145	80	49.4	PR2	PR2	337,371	732,096	44	2024	2024												
51257		5	Stone Road	Mhusk Rd-to-Gallagher Rd	12.37	15.37	3.00	2	R	211	80	43.1	PR1	PR1	215,000	644,355	38	2024	2024												
80000		8	Cobden Rd	Hwy 60/Cty Rd 9 (Bulger Rd)-to-Pine Valley Rd	0.00	3.01	3.01	2	R	1602	80	82.2	MICRO	MICRO	60,000	180,600	77	2024	2024												
80301		8	Cobden Rd	Pine Valley Rd-to-Barr Line	3.01	5.60	2.59	2	R	1602	80	83.2	MICRO	MICRO	60,429	156,510	78	2024	2024												
80567		8	Cobden Rd	Barr Line-to-McPeak Line	5.60	8.26	2.66	2	R	2028	80	82.7	MICRO	MICRO	62,143	165,300	77	2024	2024												
80837		8	Cobden Rd	McPeak Line-to-Behm Line	8.26	11.07	2.81	2	R	2069	80	79.3	MICRO	MICRO	60,857	171,009	74	2024	2024												
81124		8	Cobden Rd	Behm Line-to-Cobden Urban Beginning	11.07	11.58	0.51	2	S	3819	50	85.4	MICRO	MICRO	65,571	33,441	80	2024	2024												
81206		8	Cobden Rd	Cobden Urban Beginning-to-Hwy 17	11.58	12.49	0.91	2	U	3819	50	82.7	MICRO	MICRO	64,286	58,500	77	2024	2024												
130706		13	Mountain Rd	Stafford Third Line-to-Stafford Second Line	7.04	8.44	1.40	2	R	392	80	56.8	R1	R1	178,000	249,200	51	2024	2024												
130846		13	Mountain Rd	Stafford Second Line-to-Snake River Line	8.44	9.81	1.37	2	R	392	80	60.7	R1	R1	178,000	243,860	55	2024	2024												
130984		13	Mountain Rd	Snake River Line-to-Hwy 17	9.81	11.30	1.49	2	R	392	80	64.6	R1	R1	178,000	265,220	59	2024	2024												
240000		24	White Water Rd	Hwy 41-to-Stafford Third Line	0.00	1.42	1.42	2	R	2070	80	38.4	PR2	PR2	337,371	479,067	33	2024	2024												
261645		26	Doran Rd	Black Bay Rd-to-Cty Rd 37 (Murphy Rd)	16.17	18.16	1.99	2	S	3313	60	56.5	MR1-R	MR1-R	233,450	464,566	51	2024	2024												
261848		26	Doran Rd	Cty Rd 37 (Murphy Rd)-to-Herman St	18.16	18.54	0.38	2	U	4151	50	61.9	MR1-R	MR1-R	203,000	77,140	57	2024	2024												
261888		26	Doran Rd	Herman St-to-Cty Rd 51 (Petawawa Blvd)	18.54	19.19	0.65	2	U	4151	50	61	MR1-U	MR1-U	227,000	147,550	56	2024	2024												
300309		30	Lake Dore Rd	Sperberg Rd-to-Traill Blazers Rd	3.26	5.54	2.28	2	R	1768	80	42.9	PR2	PR2	328,000	747,512	38	2024	2024												
400554	2	40	Greenwood Rd	Robinson Rd-to-HWY 148	6.63	8.21	1.58	2	R	7033	80	69.9	REC-2	REC-2	569,643	900,036	65	2024	2024												
510000		51	Pembroke West	City of Pembroke West Limits-to-Cty Rd 42 (Forest Lea Rd)	0.00	0.90	0.90	2	R	15579	60	57.6	R1	R1	258,100	232,290	52	2024	2024												
621965		62	Bay St.	Barry's Bay South Limit-to-Hwy 60	18.77	19.19	0.42	2	U	3458	50	88	MICRO	MICRO	62,143	26,100	83	2024	2024												
630000		63	Flatt Rapids Rd	Cty Rd 45 (Russet Rd)-to-Mill Ridge Rd	0.00	1.51	1.51	2	R	909	80	79.3	MICRO	MICRO	65,571	98,685	74	2024	2024												
630164	1	63	Flatt Rapids Rd	Mill Ridge Rd-to-Watts Line	1.51	3.61	2.10	2	R	909	60	84	MICRO	MICRO	64,286	135,257	79	2024	2024												
651074	1	65	Centennial Lake Rd	Matawatchan/Brougham Twp Line-to-2872 Centennial Lake Rd	11.20	13.46	2.26	2	R	459	80	20	B&S 1	B&S 1	263,000	594,380	15	2024	2024												
690000	2	69	Siberia Rd	End of HMA-to-Bark Lake Dam	1.45	1.91	0.46	2	R		80	8.3	B&S 1	B&S 1	263,000	120,980	3	2024	2024												
5080982		508	Calabogie Rd	Barrett Chute Rd-to-Cty Rd 34	10.06	12.87	2.81	2	R	560	80	48.5	PR1	PR1	215,000	604,150	43	2024	2024												
5082627		508	Calabogie Rd	Fraser Rd-to-Riopelle Rd	26.90	29.95	3.05	2	R	3055	80	60.1	R1	PR2	328,000	1,000,400	55	2025	2024												
5082923		508	Calabogie Rd	Riopelle Rd-to-Cty Rd 52 (Burnstown Rd)	29.95	31.33	1.38	2	S	3055	60	64.6	R1	PR2	328,000	452,640	59	2025	2024												
5083058		508	Calabogie Rd	Cty Rd 52 (Burnstown Rd)-to-Dickson Rd	31.33	32.89	1.56	2	R	1815	80	62.1	R1	R1	180,543	281,647	57	2024	2024												
5083209		508	Calabogie Rd	Dickson Rd-to-Hutson Rd	32.89	34.21	1.32	2	R	1815	80	63.3	R1	R1	180,543	238,317	58	2024	2024												
5123730		512	Foymount Rd	Silver Lake Rd-to-Donegal Rd	37.07	39.52	2.45	2	R	1187	80	82.3	R1	R1	178,000	436,100	77	2024	2024												
5123975		512	Foymount Rd	Donegal Rd-to-Spring Creek Rd	39.52	40.77	1.25	2	R	1187	80	66	R1	R1	184,357	230,446	61	2024	2024												
5124105		512	Foymount Rd	Spring Creek Rd-to-Sand Rd	40.77	43.04	2.27	2	R	1187	80	77.6	R1	R1	183,086	415,605	72	2024	2024												
5124335		512	Foymount Rd	Sand Rd-to-HWY 41	43.04	44.69	1.65	2	R	2210	60	78.5	R1	R1	178,000	293,700	73	2024	2024												
5150000		515	Palmer Rd	Cty Rd 62 (Combermere Rd)-to-Riverside Dr	0.00	2.28	2.28	2	R	1167	80	85.6	MICRO	MICRO	60,857	138,754	80	2024	2024												
5150833		515	Palmer Rd	Palmer Rapids Dam Rd-to-Jewellville Bdge S Exp Jnt	8.35	9.61	1.26	2	R	920	80	80.6	MICRO	MICRO	64,714	81,540	75	2024	2024												

10 Year Capital Plan 2022-2031																														
Road Sections																				2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	
Asset ID	Split ID	Road No.	Road Name	Section Description	From LR	To LR	Length (km)	Lanes	X Sec.	Adjusted AADT (1% /yr)	Posted Speed	PCI	2020 Program	Updated Program	Cost/km	Cost	PCI @ Plan Year	2020 Plan Year	Updated Plan Year											
																				Annual Total	\$ 13,295,936	\$ 14,253,390	\$ 13,209,370	\$ 14,316,302	\$ 14,311,152	\$ 14,651,893	\$ 14,769,224.79	\$ 15,813,548.89	\$ 15,230,466.86	\$ 16,470,639.21
40320	3	4	Storyland Road	Bingham Road-to-CR 653 (Chenaux Rd)	5.64	7.28	1.64	2	R	3415	80	58.1	R1	R1	180,543	296,090	51	2025	2025	296,090										
51557		5	Stone Road	Gallagher Rd-to-Cty Rd 22 (Hyndford Rd)	15.37	17.11	1.74	2	R	211	80	41.4	PR1	PR1	215,000	373,885	34	2025	2025	373,885										
51735		5	Stone Road	Cty Rd 22 (Hyndford Rd)-to-Hwy 60	17.11	17.44	0.33	2	R	1017	50	53.3	REC-1	REC-1	435,000	143,550	46	2025	2025	143,550										
140000		14	Witt Rd	Cty Rd 56 (Woito Station Rd)-to-Locksley Rd	0.00	2.18	2.18	2	R	331	80	44	B&S 1	B&S 1	268,636	585,894	37	2025	2025	585,894										
160000		16	Victoria St	Cty Rd 51 (Petawawa Blvd)-to-Wolfe Ave	0.00	0.87	0.87	2	U	4970	50	82.2	MICRO	MICRO	60,000	52,200	75	2025	2025	52,200										
160088	1	16	Victoria St	Wolfe Ave-to-Armstrong Rd	0.87	1.76	0.89	2	U	1946	50	83.1	MICRO	MICRO	68,143	60,647	76	2025	2025	60,647										
160088	2	16	Victoria St	Armstrong Rd-to-CR 25 (Laurentian Drive)	1.76	2.13	0.37	2	S	1946	50	91.3	MICRO	MICRO	68,143	25,213	84	2025	2025	25,213										
200944		20	Castleford Rd	Humphries Rd-to-Cty Rd 1 (River Rd)	9.34	10.73	1.39	2	R	1113	80	44.3	PR2	PR2	332,686	462,433	37	2025	2025	462,433										
260618		26	Doran Rd	Cty Rd 58 (Round Lake Rd)-to-Lubitz Rd	6.08	8.06	1.98	2	R	1922	80	59.8	MR1-R	MR1-R	204,450	404,811	53	2025	2025	404,811										
260820		26	Doran Rd	Lubitz Rd-to-Forest Lea Rd	8.06	10.05	1.99	2	R	1922	80	59.5	MR1-R	MR1-R	205,900	409,741	52	2025	2025	409,741										
290224		29	Drive Inn Rd	Clearview Crescent-to-Spruce St East	2.15	2.57	0.42	2	S	3029	50	84.5	MICRO	MICRO	68,571	28,800	77	2025	2025	28,800										
290257		29	Drive Inn Rd	Elm St-to-Hwy 148	2.57	2.80	0.23	2	U	3029	50	89.8	MICRO	MICRO	60,000	13,800	83	2025	2025	13,800										
300544		30	Lake Dore Rd	Trail Blazers Rd-to-Black Creek Rd	5.54	7.65	2.11	2	R	1768	80	69.7	R1	R1	178,000	374,868	63	2025	2025	374,868										
400000		40	Greenwood Rd	Hwy 17-to-Meath Hill Rd	0.00	0.83	0.83	2	R	2799	80	74.3	MR1-R	MR1-R	214,600	178,118	67	2025	2025	178,118										
400083		40	Greenwood Rd	Meath Hill Rd-to-Cemetery Rd	0.83	3.33	2.50	2	R	2799	80	69.4	MR1-R	MR1-R	210,250	525,625	62	2025	2025	525,625										
400335		40	Greenwood Rd	Cemetery Rd-to-Cty Rd 21 (Beachburg Rd)	3.33	4.66	1.33	2	R	2799	80	68.8	MR1-R	MR1-R	211,700	281,561	62	2025	2025	281,561										
510089		51	Pembroke West	Cty Rd 42 (Forest Lea Rd)-to-Meadowbrook Dr	0.90	1.51	0.61	3	R	13338	60	86.2	MICRO	MICRO	96,429	58,821	79	2025	2025	58,821										
510151		51	Pembroke West	Meadowbrook Dr-to-B Line Rd	1.51	3.67	2.16	2	R	13338	80	85.5	MICRO	MICRO	72,857	157,371	78	2025	2025	157,371										
510371	1	51	Petawawa Blv	B Line Rd-to-Sharon Street	3.67	4.96	1.29	3	R	13846	80	75.6	MICRO	MICRO	92,571	119,417	68	2025	2025	119,417										
510371	2	51	Petawawa Blv	Sharon Street-to-Airport Road	4.96	6.23	1.27	3	S	13846	80	85.6	MICRO	MICRO	91,714	116,477	78	2025	2025	116,477										
510630		51	Petawawa Blv	Airport Rd-to-Cty Rd 25 (Laurentian Dr)	6.23	7.93	1.70	3	R	12016	80	88.6	MICRO	MICRO	95,571	162,471	81	2025	2025	162,471										
510803		51	Petawawa Blv	Cty Rd 25 (Laurentian Dr)-to-Limestone Dr	7.93	9.79	1.86	3	S	12407	80	88.5	MICRO	MICRO	93,857	174,574	81	2025	2025	174,574										
510946		51	Petawawa Blv	Limestone Dr-to-Cty Rd 37 (Murphy Rd)	9.79	11.97	2.18	3	S	12407	60	89.6	MICRO	MICRO	93,429	203,674	82	2025	2025	203,674										
511071		51	Petawawa Blv	Cty Rd 37 (Murphy Rd)-to-Cty Rd 26 (Doran St)	11.97	12.19	0.22	3	U	11174	50	69.5	MICRO	MICRO	80,143	17,631	62	2025	2025	17,631										
520074		52	Burnstown Rd	Waba Cr Bdge W Exp Jnt-to-McLachlan Rd	0.74	1.25	0.51	2	R	1214	50	71.8	R1	R1	186,900	95,319	65	2025	2025	95,319										
520118		52	Burnstown Rd	McLachlan Rd-to-McLeod Rd	1.25	7.20	5.95	2	R	1214	80	57	MR1-R	MR1-R	204,450	1,216,478	50	2025	2025	1,216,478										
520720		52	Burnstown Rd	McLeod Rd-to-Burnstown Bdge S Exp Jnt	7.20	7.97	0.77	2	R	1214	50	60.2	MR1-R	MR1-R	205,900	158,543	53	2025	2025	158,543										
520817		52	Burnstown Rd	Burnstown Bdge N Exp Jnt-to-Cty Rd 508 (Calabogie Rd)	8.17	8.40	0.23	2	S	1214	50	84.3	MR1-R	MR1-R	203,000	46,690	77	2025	2025	46,690										
520840		52	Burnstown Rd	Cty Rd 508 (Calabogie Rd)-to-Picket Hill Lane S Jct	8.40	8.73	0.33	2	U	2537	50	71.4	MR1-U	MR1-U	227,000	74,910	64	2025	2025	74,910										
650694		65	Centennial Lake Rd	4126 Centennial Lake Rd-to-Matawatchan/Brougham Twp Line	7.33	11.20	3.87	2	R	366	80	31	B&S 1	B&S 1	263,000	1,017,810	24	2025	2025	1,017,810										
690191		69	Siberia Rd	Bark Lake Dam Rd-to-Sunny Hill Rd	1.91	4.36	2.45	2	R	219	80	17.2	PR1	PR1	215,000	526,750	10	2025	2025	526,750										
690433		69	Siberia Rd	Sunny Hill Rd-to-Babinski Rd	4.36	6.08	1.72	2	R	219	80	60.2	B&S 1	B&S 1	264,879	455,591	53	2025	2025	455,591										
700000		70	Ruby Rd	Cty Rd 512 (Brudenell Rd)-to-Gorman Rd	0.00	4.28	4.28	2	R	346	80	69.5	MICRO	MICRO	66,000	282,744	62	2025	2025	282,744										
700430		70	Ruby Rd	Gorman Rd-to-Wolfe Rd	4.28	7.52	3.23	2	R	346	80	72.5	MICRO	MICRO	64,714	209,286	65	2025	2025	209,286										
700759		70	Ruby Rd	Wolfe Rd-to-Hoffman Road	7.52	9.72	2.21	2	R	346	80	78.3	MICRO	MICRO	65,143	143,705	71	2025	2025	143,705										
700983		70	Ruby Rd	Hoffman Rd-to-Zadow Rd	9.72	11.80	2.07	2	R	346	80	84.8	MICRO	MICRO	66,000	136,818	78	2025	2025	136,818										
701194		70	Ruby Rd	Zadow Rd-to-Hoffman Rd	11.80	14.01	2.21	2	R	346	80	81.9	MICRO	MICRO	62,571	138,533	75	2025	2025	138,533										
701419		70	Ruby Rd	Hoffman Rd-to-Reserve Boundary	14.01	14.95	0.94	2	R	346	60	90.4	MICRO	MICRO	63,000	59,346	83	2025	2025	59,346										
701685		70	Ruby Rd	Golden Lake Bdge N Exp Jnt-to-Hwy 60	16.64	17.26	0.62	2	R	1973	80	78.5	MICRO	MICRO	75,000	46,425	71	2025	2025	46,425										
710500		71	Matawatchan Rd	4877 Matawatchan Rd-to-Cty Rd 65	6.36	9.55	3.19	2	R	343	80	69.5	R1	R1	179,271	571,876	62	2025	2025	571,876										
721382		72	Ridge Road	Champlain St-to-Deep River Road	1.33	1.50	0.17	2	U	2379	40	41.3	REC-UNS	REC-UNS	1,336,300	227,171	34	2025	2025	227,171										

10 Year Capital Plan 2022-2031																														
Road Sections																			2022	2023	2024	2025	2026	2027	2028	2029	2030	2031		
Asset ID	Split ID	Road No.	Road Name	Section Description	From LR	To LR	Length (km)	Lanes	X Sec.	Adjusted AADT (1% /yr)	Posted Speed	PCI	2020 Program	Updated Program	Cost/km	Cost	PCI @ Plan Year	2020 Plan Year											Updated Plan Year	
																				Annual Total	\$ 13,295,936	\$ 14,253,390	\$ 13,209,370	\$ 14,316,302	\$ 14,311,152	\$ 14,651,893	\$ 14,769,224.79	\$ 15,813,548.89	\$ 15,230,466.86	\$ 16,470,639.21
5122332		512	Foymount Rd	Cty Rd 64 (Opeongo Rd)-to-McCauley Mountain Rd	23.12	25.56	2.44	2	R	1187	80	59.1	B&S 2	B&S 2	453,886	1,107,481	52	2024	2025	1,107,481										
20171		2	Daniel St. North	Baskin Dr-to-Hwy 17	1.73	2.27	0.54	3	U	12751	50	82.4	MICRO	MICRO	77,143	41,657	73	2026	2026	41,657										
20228		2	White Lake Road	Hwy 17-to-Cty Rd 45 (Vanjumar Dr)	2.27	2.74	0.47	4	S	8900	60	73.5	MICRO	MICRO	127,286	59,824	65	2026	2026	59,824										
20275		2	White Lake Road	Cty Rd 45 (Vanjumar Dr)-to-Campbell Dr	2.74	3.11	0.37	2	R	4009	80	80.4	MICRO	MICRO	68,143	25,213	71	2026	2026	25,213										
20312		2	White Lake Road	Campbell Dr-to-Claybank Bdge E Exp Jnt	3.11	4.35	1.24	2	R	4009	80	73.2	MICRO	MICRO	69,000	85,560	64	2026	2026	85,560										
90203		9	Bulger Rd	Agnew Rd-to-McGaghran Rd	2.02	4.69	2.67	2	R	914	80	38.4	PR1	PR1	215,000	574,050	29	2026	2026	574,050										
90472		9	Bulger Rd	McGaghran Rd-to-Stone Hedges Rd	4.69	7.25	2.56	2	R	818	80	44.4	PR1	PR1	215,000	550,400	35	2026	2026	550,400										
100000	A	10	Baskin Drive West	CR 2(Daniel Street)-to-Division Street	0.00	1.21	1.21	2	S	4604	50	82.1	MICRO	MICRO	74,143	89,713	73	2026	2026	89,713										
140222		14	Witt Rd	Locksley Rd-to-Cty Rd 26 (Doran Rd)	2.18	4.44	2.26	2	R	331	80	44	B&S 1	B&S 1	264,879	597,566	35	2026	2026	597,566										
190000		19	Mud Lake Rd	Cty Rd 24 (White Water Rd)-to-Robinson Rd	0.00	1.27	1.27	2	R	906	80	83.9	MICRO	MICRO	69,429	88,174	75	2026	2026	88,174										
190130		19	Mud Lake Rd	Robinson Rd-to-McDonnell Bdge S Exp Jnt	1.27	2.17	0.90	2	R	1695	80	81.8	MICRO	MICRO	70,286	63,257	73	2026	2026	63,257										
190231		19	Mud Lake Rd	McDonnell Bdge N Exp Jnt-to-Sawmill Rd	2.17	3.38	1.21	2	R	1695	60	81.6	MICRO	MICRO	71,571	86,601	73	2026	2026	86,601										
190346		19	Mud Lake Rd	Sawmill Rd-to-City of Pembroke South Limit	3.38	4.90	1.52	2	R	2235	60	81.8	MICRO	MICRO	73,286	111,394	73	2026	2026	111,394										
200654		20	Castleford Rd	Eady Rd-to-Ferguson Rd	6.46	7.86	1.40	2	R	1113	80	57.6	PR2	PR2	330,343	462,480	49	2026	2026	462,480										
200786		20	Castleford Rd	Ferguson Rd-to-Humphries Rd	7.86	9.34	1.48	2	R	1113	80	53.7	PR2	PR2	330,343	488,907	45	2026	2026	488,907										
220594		22	Grattan Rd	Scotch Bush Rd-to-Bromley/Grattan Twp Line	5.96	7.99	2.03	2	R	669	60	88.6	MICRO	MICRO	60,429	122,670	80	2026	2026	122,670										
220784		22	Grattan Rd	Bromley/Grattan Twp Line-to-Gallagher Rd	7.99	8.82	0.83	2	R	669	80	88.6	MICRO	MICRO	61,714	51,223	80	2026	2026	51,223										
220876		22	Grattan Rd	Gallagher Rd-to-Cty Rd 5 (Stone Rd)	8.82	11.00	2.18	2	R	669	80	88.8	MICRO	MICRO	60,857	132,669	80	2026	2026	132,669										
261022		26	Doran Rd	Forest Lea Rd-to-Cty Rd 28 (Barron Canyon Rd)	10.05	12.06	2.01	2	R	1922	80	47.2	PR2	PR2	344,400	692,244	38	2026	2026	692,244										
261227		26	Doran Rd	Cty Rd 28 (Barron Canyon Rd)-to-Hwy 17	12.06	12.35	0.29	2	R	1922	80	66.6	PR2	PR2	356,114	103,273	58	2026	2026	103,273										
280167		28	Barron Canyon Rd	Smith Lane-to-Priebe Rd	1.64	6.38	4.74	2	R	378	80	67.2	R1	R1	191,986	910,012	58	2026	2026	910,012										
581165		58	Round Lake Rd	Byers Creek Bdge S Exp Jnt-to-Round Lake CenterUrban Begins	11.63	12.72	1.09	2	R	841	80	81.3	R1	R1	197,071	214,808	72	2026	2026	214,808										
582092		58	Round Lake Rd	Bonnechere R Bdge E Exp Jnt-to-	20.76	21.87	1.11	2	R	1335	80	49	PR2	PR2	328,000	364,080	40	2026	2026	364,080										
582206		58	Round Lake Rd	Dunnes Bay Lane-to-Red Rock Rd	21.87	24.82	2.95	2	R	1335	80	42.4	PR2	PR2	328,000	967,600	33	2026	2026	967,600										
582503		58	Round Lake Rd	Red Rock Rd-to-Foy Park Corridor	24.82	25.91	1.09	2	R	1335	80	58.2	PR2	PR2	328,000	357,520	49	2026	2026	357,520										
640000		64	Opeongo Rd	Cty Rd 512 (Foymount Rd)-to-Raddatz Rd	0.00	3.72	3.72	2	R	332	80	82.2	MICRO	MICRO	66,857	248,709	73	2026	2026	248,709										
640368		64	Opeongo Rd	Raddatz Rd-to-Lake Clear Rd	3.72	6.85	3.13	2	R	332	80	85	MICRO	MICRO	66,429	207,921	76	2026	2026	207,921										
640679		64	Opeongo Rd	Lake Clear Rd-to-Baptist Church Rd	6.85	8.49	1.64	2	R	332	80	84.2	MICRO	MICRO	67,714	111,051	75	2026	2026	111,051										
640839		64	Opeongo Rd	Baptist Church Rd-to-Wieland Shore Rd	8.49	10.99	2.50	2	R	332	80	88.3	MICRO	MICRO	66,857	167,143	79	2026	2026	167,143										
641086		64	Opeongo Rd	Wieland Shore Rd-to-Gierman Rd	10.99	13.55	2.56	2	R	435	80	83.4	MICRO	MICRO	67,286	172,251	74	2026	2026	172,251										
641340		64	Opeongo Rd	Gierman Rd-to-Sebastopol/Grattan Township Line	13.55	17.55	4.00	2	R	435	80	71.1	MICRO	MICRO	67,286	269,143	62	2026	2026	269,143										
641500		64	Opeongo Rd	Sebastopol/Grattan Township Line-to-Constant Lake Rd	17.55	19.18	1.63	2	R	435	80	77.1	MICRO	MICRO	62,143	101,293	68	2026	2026	101,293										
641890		64	Opeongo Rd	Constant Lake Rd-to-Hwy 41	19.18	24.51	5.33	2	R	435	80	85.4	MICRO	MICRO	66,857	356,349	76	2026	2026	356,349										
650528		65	Centennial Lake Rd	Morrow Lake Rd-to-4126 Centennial Lake Rd	5.61	7.33	1.72	2	R	366	80	28.4	B&S 1	B&S 1	263,000	452,360	19	2026	2026	452,360										
660000	1	66	Wilno South Rd	Hwy 60-to-Mountain View Rd	0.00	1.96	1.96	2	R	337	60	45.7	B&S 1	B&S 1	263,000	515,480	37	2026	2026	515,480										
660000	2	66	Wilno South Rd	Mountain View Rd-to-Inukshuk Rd	1.96	2.93	0.97	2	R	337	80	60.2	R1	R1	185,629	180,060	51	2026	2026	180,060										
690603		69	Siberia Rd	Babinski Rd-to-Pipedream Lane	6.08	8.12	2.04	2	R	219	80	24.1	B&S 1	B&S 1	263,000	536,520	15	2026	2026	536,520										
730167		73	Deep River Road	Huron St/Algonquin St-to-Champlain St	0.14	0.49	0.35	2	U	5854	40	47.2	REC-UNS	REC-UNS	1,376,550	481,793	38	2026	2026	481,793										
730512		73	Deep River Road	Champlain St/ Glendale Ave-to-Ridge Road/Hillcrest Ave	0.49	0.68	0.19	2	U	5854	40	69.1	REC-UNS	REC-UNS	1,521,450	289,076	60	2026	2026	289,076										
5082234		508	Calabogie Rd	Norway Lake Rd-to-Brydges Rd	22.93	24.88	1.95	2	R	2499	80	66.8	R1	R1	178,000	347,100	58	2026	2026	347,100										

10 Year Capital Plan 2022-2031																																
Road Sections																				2022	2023	2024	2025	2026	2027	2028	2029	2030	2031			
Asset ID	Split ID	Road No.	Road Name	Section Description	From LR	To LR	Length (km)	Lanes	X Sec.	Adjusted AADT (1% /yr)	Posted Speed	PCI	2020 Program	Updated Program	Cost/km	Cost	PCI @ Plan Year	2020 Plan Year	Updated Plan Year													
																					Annual Total	\$ 13,295,936	\$ 14,253,390	\$ 13,209,370	\$ 14,316,302	\$ 14,311,152	\$ 14,651,893	\$ 14,769,224.79	\$ 15,813,548.89	\$ 15,230,466.86	\$ 16,470,639.21	
5082426		508	Calabogie Rd	Brydges Rd-to-Fleming Rd	24.88	25.67	0.79	2	R	2499	80	66.9	R1	R1	178,000	140,620	58	2026	2026													
5082501		508	Calabogie Rd	Fleming Rd-to-Fraser Rd	25.67	26.90	1.23	2	R	3055	80	64.6	R1	R1	178,000	218,940	56	2026	2026													
5120245		512	Brudenell Rd	Killaloe South Town Limit-to-Mountain View Rd	3.16	4.47	1.31	2	R	981	60	59.4	MR1-R	MR1-R	203,000	265,930	50	2026	2026													
5120450		512	Brudenell Rd	Mountain View Rd-to-Stack Rd	4.47	5.34	0.87	2	R	981	80	67.4	MR1-R	MR1-R	205,900	179,133	58	2026	2026													
5150969		515	Palmer Rd	Jewellville Bdge N Exp Jnt-to-Palmer Rapids S Urban Lmt	9.61	11.39	1.78	2	R	920	80	54.7	PR1	PR1	215,000	382,700	46	2026	2026													
6530000		653	Chenaux Rd	Hwy 17-to-Cty Rd 48 (Magnesium Rd)	0.00	0.53	0.53	2	R	2453	80	66.8	R1	R1	186,900	98,683	58	2026	2026													
6530054		653	Chenaux Rd	Cty Rd 48 (Magnesium Rd)-to-Camp Galilee Lane	0.53	1.20	0.67	2	R	2453	80	61.6	R1	R1	184,357	122,966	53	2026	2026													
6530124		653	Chenaux Rd	Camp Galilee Lane-to-Service Rd	1.20	2.95	1.75	2	R	2822	80	74.1	R1	R1	185,629	325,036	65	2026	2026													
40752	1	4	Queens Line	Cty Rd 653 (Chenaux Rd)-to-CA 1890	7.28	9.38	2.10	2	S	1406	80	78.3	MICRO	MICRO	66,857	140,400	68	2027	2027													
40752	2	4	Queens Line	1890 Qeens Line-to-Magnesium Rd (CR 48)	9.38	11.58	2.20	2	R	1406	80	90.9	MICRO	MICRO	69,429	152,743	80	2027	2027													
41184		4	Queens Line	Cty Rd 48 (Magnesium Rd)-to-Acres Rd	11.58	14.88	3.30	2	R	1338	80	89.2	MICRO	MICRO	69,429	229,114	78	2027	2027													
41514		4	Queens Line	Acres Rd-to-Kohlsmith Rd	14.88	17.97	3.09	2	R	1338	80	84.7	MICRO	MICRO	69,857	215,859	74	2027	2027													
41824		4	Queens Line	Kohlsmith Rd-to-Cty Rd 7 (Foresters Falls Rd)	17.97	20.52	2.55	2	R	1338	80	91.8	MICRO	MICRO	68,571	174,857	81	2027	2027													
50636	2	5	Stone Road	1574 Stone Rd-to-Fulton Rd	7.70	8.41	0.71	2	R	443	80	90.4	MICRO	MICRO	60,429	42,783	80	2027	2027													
50860		5	Stone Road	Fulton Rd-to-Kennelly Rd	8.41	10.96	2.55	2	R	443	80	87.6	MICRO	MICRO	60,429	153,912	77	2027	2027													
51114		5	Stone Road	Kennelly Rd-to-Mhusk Rd	10.96	12.33	1.37	2	R	443	80	89.5	MICRO	MICRO	61,286	83,778	79	2027	2027													
200316		20	Castleford Rd	Hwy 17-to-Collins Rd	3.11	4.60	1.49	2	R	1113	80	51.1	PR2	PR2	330,343	492,211	40	2027	2027													
200466		20	Castleford Rd	Collins Rd-to-Eady Rd	4.60	6.46	1.86	2	R	1113	80	48.3	PR2	PR2	330,343	614,438	38	2027	2027													
300757		30	Lake Dore Rd	Black Creek Rd-to-Limestone Rd	7.65	9.66	2.01	2	R	1768	80	87.5	MICRO	MICRO	62,571	125,831	77	2027	2027													
300964		30	Lake Dore Rd	Limestone Rd-to-Biederman Rd	9.66	10.64	0.98	2	R	1768	80	89.6	MICRO	MICRO	61,286	59,754	79	2027	2027													
301064		30	Lake Dore Rd	Biederman Rd-to-Scheuneman Rd	10.64	14.92	4.28	2	R	1768	80	90.2	MICRO	MICRO	61,714	264,322	79	2027	2027													
301430		30	Lake Dore Rd	Scheuneman Rd-to-Hwy 41	14.92	16.07	1.15	2	R	1768	80	81.3	MICRO	MICRO	60,429	69,432	71	2027	2027													
581243		58	Round Lake Rd	Round Lake Center S Boundary-to-Cty Rd 67 (Simpson Pit Rd)	12.72	12.92	0.20	2	U	841	50	89.7	MICRO	MICRO	60,000	12,000	79	2027	2027													
581299		58	Round Lake Rd	Cty Rd 67 (Simpson Pit Rd)-to-Round Lake Center N Boundary	12.92	13.46	0.54	2	U	1791	50	83.2	MICRO	MICRO	60,000	32,400	72	2027	2027													
581415		58	Round Lake Rd	Round Lake Center N Boundary-to-Lakeview Dr West End	13.46	15.58	2.12	2	R	1791	60	89.1	MICRO	MICRO	61,286	129,926	78	2027	2027													
581568		58	Round Lake Rd	Lakeview Dr West End-to-Sherwood River Bdge W Exp Jnt	15.58	16.91	1.33	2	R	1791	80	89.3	MICRO	MICRO	60,857	80,940	79	2027	2027													
581699		58	Round Lake Rd	Sherwood River Bdge E Exp Jnt-to-Deer Trail Rd	16.91	18.24	1.33	2	R	1791	80	85.8	MICRO	MICRO	61,286	81,510	75	2027	2027													
582748		58	Round Lake Rd	Foy Park Corridor-to-Laurentian Valley Boundary	25.91	30.50	4.59	2	R	1430	80	81.8	MICRO	MICRO	60,000	275,400	71	2027	2027													
583101		58	Round Lake Rd	Laurentian Valley Bndry-to-C309 (Gariepy Creek Culvert)	30.50	35.14	4.64	2	R	1430	80	86.6	MICRO	MICRO	60,857	282,377	76	2027	2027													
585344		58	Round Lake Rd	Henan Road-to-Hwy 17	54.21	54.97	0.76	2	R	2646	80	86.2	MICRO	MICRO	61,714	46,903	75	2027	2027													
585627		58	Round Lake Rd	Hwy 17-to-B Line Rd	54.97	56.23	1.26	2	R	2768	80	85.8	MICRO	MICRO	64,714	81,540	75	2027	2027													
585756		58	Round Lake Rd	B Line Rd-to-TV Tower Rd	56.23	58.69	2.46	2	R	4032	70	92	MICRO	MICRO	64,714	159,197	81	2027	2027													
586008		58	Bruham Ave	TV Tower Rd-to-Lorne St East	58.69	59.67	0.98	2	S	4860	50	91.8	MICRO	MICRO	74,143	72,660	81	2027	2027													
586110		58	Bruham Ave	Lorne St East-to-Boundary Rd	59.67	60.04	0.37	2	U	4757	50	84.7	MICRO	MICRO	61,714	22,834	74	2027	2027													
621744		62	John St.	County Picnic Area Rd-to-Barry's Bay South Limit	17.01	18.77	1.76	2	S	2725	60	75.7	R1	R1	205,971	362,510	65	2027	2027													
650000	2	65	Centennial Lake Rd	Doyle Drive-to-Centennial Lake Bdge N Exp Jnt	2.05	3.60	1.55	2	R	366	80	44.6	B&S 1	B&S 1	2																	

10 Year Capital Plan 2022-2031																																
Road Sections																				2022	2023	2024	2025	2026	2027	2028	2029	2030	2031			
Asset ID	Split ID	Road No.	Road Name	Section Description	From LR	To LR	Length (km)	Lanes	X Sec.	Adjusted AADT (1% /yr)	Posted Speed	PCI	2020 Program	Updated Program	Cost/km	Cost	PCI @ Plan Year	2020 Plan Year	Updated Plan Year													
																					Annual Total	\$ 13,295,936	\$ 14,253,390	\$ 13,209,370	\$ 14,316,302	\$ 14,311,152	\$ 14,651,893	\$ 14,769,224.79	\$ 15,813,548.89	\$ 15,230,466.86	\$ 16,470,639.21	
5081619		508	Calabogie Rd	Cty Rd 511 (Lanark Rd)-to-Kubiseski Rd	16.65	18.06	1.41	2	R	2499	80	70.2	R1	R1	178,000	250,980	59	2027	2027													
5081760		508	Calabogie Rd	Kubiseski Rd-to-Public Picnic Area N. Ent. (CA 4099)	18.06	19.59	1.53	2	R	2499	80	66.8	R1	R1	178,000	272,340	56	2027	2027													
5081904		508	Calabogie Rd	Public Picnic Area N. Entrance-to-Norway Lake Rd	19.59	22.93	3.34	2	R	2499	80	66.6	R1	R1	178,000	594,520	56	2027	2027													
5111132		511	Lanark Road	Calabogie Bridge N Exp Jnt-to-K&P Trail	11.02	11.46	0.44	2	U	1001	50	94.4	MICRO	MICRO	60,000	26,400	84	2027	2027													
5111135		511	Lanark Road	K&P Trail-to-CR 508 (Calabogie Rd)	11.46	12.27	0.81	2	R	1001	60	89	MICRO	MICRO	64,714	52,419	78	2027	2027													
5120000	-	512	Queens St	Hwy 60 (Killaloe Beginning)-to-Killaloe North Urban Limit	0.00	0.56	0.56	2	R	1966	40	75.1	MICRO	MICRO	60,429	33,840	64	2027	2027													
5120000	A	512	Queens St	Killaloe North Urban Limit-to-Killaloe South Urban Limit	0.56	1.94	1.38	2	U	1966	40	76.3	MICRO	MICRO	60,000	82,800	66	2027	2027													
5120199		512	Queens St	Killaloe South Urban Limit-to-Killaloe South Town Limit	1.94	3.16	1.22	2	S	981	40	70.5	MICRO	MICRO	62,571	76,337	60	2027	2027													
5140000		514	Schutt Rd	Hwy 28-to-Genricks Rd	0.00	1.01	1.01	2	R	652	80	78.2	PR1	PR1	219,607	221,803	67	2027	2027													
5140101		514	Schutt Rd	Genricks Rd-to-Walters Rd	1.01	3.50	2.49	2	R	652	80	76	PR1	PR1	216,536	539,174	65	2027	2027													
5140356		514	Schutt Rd	Walters Rd-to-Moccasin Lake Rd	3.50	4.43	0.93	2	R	652	80	79.6	PR1	PR1	238,036	221,373	69	2027	2027													
5140489		514	Schutt Rd	Moccasin Lake Rd-to-Cedar Grove Rd	4.43	6.17	1.74	2	R	667	60	81.7	PR1	PR1	241,107	419,526	71	2027	2027													
5140625		514	Schutt Rd	Cedar Grove Rd-to-Raglan White Lake Rd	6.17	9.19	3.02	2	R	667	80	78.2	PR1	PR1	219,607	663,214	67	2027	2027													
5140924		514	Schutt Rd	Raglan White Lake Rd-to-Raglan Twp Dump Rd	9.19	12.29	3.10	2	R	667	80	77	PR1	PR1	221,143	685,543	66	2027	2027													
5141129		514	Schutt Rd	Raglan Twp Dump-to-Cty Rd 515 (Palmer Rd)	12.29	12.45	0.16	2	R	667	80	77	PR1	PR1	221,143	35,383	66	2027	2027													
5151830		515	Palmer Rd	Guiney Rd-to-Eneas Creek Rd	18.26	19.95	1.69	2	R	756	80	55.7	PR1	PR1	215,000	363,350	45	2027	2027													
5152000		515	Palmer Rd	Eneas Creek Rd-to-Quadeville W Urban Limit	19.95	23.20	3.25	2	R	756	80	61.7	PR1	PR1	215,000	698,750	51	2027	2027													
5152312		515	Quadeville Rd	Quadeville W Urban Limit-to-Quadeville E Urban Limit	23.20	23.59	0.39	2	U	901	50	64	PR1	PR1	274,893	107,208	53	2027	2027													
6530304		653	ChenauX Rd	Service Rd-to-Berts Rd	2.95	4.48	1.53	2	R	2822	80	74.8	R1	R1	186,900	286,518	64	2027	2027													
6530458		653	ChenauX Rd	Berts Rd-to-Queens Line	4.48	5.99	1.51	2	R	3154	80	65.9	R1	R1	189,443	285,490	55	2027	2027													
6530558		653	ChenauX Rd	Queens Line-to-Kerr Line Rd	5.99	7.44	1.45	2	R	3154	80	72.8	R1	R1	189,443	274,882	62	2027	2027													
6530707		653	ChenauX Rd	Kerr Line-to-County/Quebec Boundary	7.44	8.32	0.88	2	R	3154	70	76.8	R1	R1	189,443	166,710	66	2027	2027													
10674		1	River Road	Dochart St-to-Cty Rd 3 (Usborne St)	6.49	7.70	1.21	2	U	3061	50	89.1	MICRO	MICRO	69,429	84,009	77	2028	2028													
10797		1	River Road	Cty Rd 3 (Usborne St)-to-Braeside West Limit	7.70	8.30	0.60	2	S	1733	50	92	MICRO	MICRO	60,000	36,000	79	2028	2028													
10859		1	River Road	Braeside West Limit-to-Toner Road	8.30	10.11	1.81	2	R	1733	60	90.5	MICRO	MICRO	60,429	109,376	78	2028	2028													
11124	1	1	River Road	Toner Road-to-Sand Point East Limit	10.11	11.14	1.03	2	R	1733	60	96.5	MICRO	MICRO	60,000	61,800	84	2028	2028													
11124	2	1	River Road	Sand Point East Limit-to-Mast Rd	11.14	13.20	2.06	2	S	1314	50	96.5	MICRO	MICRO	60,000	500,000	84	2028	2028													
20472		2	White Lake Road	Claybank Bdge W Exp Jnt-to-Young Rd	4.70	5.98	1.28	2	R	3443	80	66.3	R1	R1	204,700	262,016	54	2028	2028													
20601		2	White Lake Road	Young Rd-to-Mountain View Rd	5.98	8.73	2.75	2	R	3506	80	46.8	PR2	PR2	337,371	927,771	34	2028	2028													
120303		12	Westmeath Rd	Sand Point Rd-to-Old Mill Bridge Rd	3.00	4.66	1.66	2	R	554	80	50.6	B&S 1	B&S 1	263,000	436,580	38	2028	2028													
210782		21	Beachburg Rd	Urban Beginning-to-Little St	7.57	8.47	0.89	2	U	1977	50	89	MICRO	MICRO	62,571	55,876	76	2028	2028													
210873		21	Beachburg Rd	Little St-to-Cty Rd 49 (Lapasse Rd)	8.47	9.34	0.88	2	U	1977	50	90.4	MICRO	MICRO	62,571	54,813	78	2028	2028													
280000		28	Barron Canyon Rd	McKay/Petawawa Township Line-to-Smith Lane	0.00	1.64	1.64	2	R	378	80	92	MICRO	MICRO	64,286	105,429	79	2028	2028													
310000		31	Lookout Rd	Cty Rd 49 (Lapasse Rd)-to-Desjardins Rd	0.00	3.11	3.11	2	R	375	80	63.4	R1	R1	200,886	624,755	51	2028	2028													
310316		31	Lookout Rd	Desjardins Rd-to-Lovers Lane	3.11	6.23	3.12	2	R	375	80	59.9	R1	R1	189,443	591,062	47	2028	2028													
310632		31	Lookout Rd	Lovers Lane-to-Cty Rd 12 (Westmeath Rd)	6.23	6.83	0.60	2	R	375	80	78.6	R1	R1	189,443	113,666	66	2028	2028													
341083	1	34	Whelan Rd	Kenopic Rd-to-1053 Whelan Rd	10.84	12.65	1.81	2	R	289	80	50.5	PR1	PR1	218,071	394,709	38	2028	2028													
341083	2	34																														

10 Year Capital Plan 2022-2031																															
Road Sections																				2022	2023	2024	2025	2026	2027	2028	2029	2030	2031		
Asset ID	Split ID	Road No.	Road Name	Section Description	From LR	To LR	Length (km)	Lanes	X Sec.	Adjusted AADT (1% /yr)	Posted Speed	PCI	2020 Program	Updated Program	Cost/km	Cost	PCI @ Plan Year	2020 Plan Year	Updated Plan Year												
																				Annual Total	\$ 13,295,936	\$ 14,253,390	\$ 13,209,370	\$ 14,316,302	\$ 14,311,152	\$ 14,651,893	\$ 14,769,224.79	\$ 15,813,548.89	\$ 15,230,466.86	\$ 16,470,639.21	
540282		54	McLean Dr	Scheel Dr-to-Cty Rd 3 (Usborne St)	2.78	5.11	2.33	2	R	994	80	86.7	MICRO	MICRO	60,429	140,799	74	2028	2028												
550000		55	Paquette Rd	Cty Rd 51 (Petawawa Blvd)-to-Hwy 417	0.00	2.32	2.32	2	R	4783	80	84.4	MICRO	MICRO	69,000	160,080	72	2028	2028												
580000		58	Round Lake Rd	Hwy 60-to-Mask Rd	0.00	2.42	2.42	2	R	1054	80	86.2	MICRO	MICRO	68,143	164,906	74	2028	2028												
580244		58	Round Lake Rd	Mask Rd-to-800 Round Lake Road Sign	2.42	3.92	1.50	2	R	1054	80	78.1	MICRO	MICRO	68,571	102,857	66	2028	2028												
580393		58	Round Lake Rd	800 Round Lake Road Sign-to-Long Meadows Rd	3.92	5.40	1.48	2	R	1054	80	89.9	MICRO	MICRO	68,571	101,486	77	2028	2028												
580543		58	Round Lake Rd	Long Meadows Rd-to-Tramore Rd	5.40	6.43	1.03	2	R	1054	80	88.6	MICRO	MICRO	65,571	67,539	76	2028	2028												
583697		58	Round Lake Rd	C309 (Garipey Creek Culvert)-to-Pakotina Trail	35.14	38.59	3.45	2	R	1430	80	71.5	R1	R1	180,543	622,873	59	2028	2028												
583917		58	Round Lake Rd	Pakotina Trail-to-8266 Round Lake Rd	38.59	40.27	1.68	2	R	1430	80	84.5	R1	R1	181,814	305,448	72	2028	2028												
584062		58	Round Lake Rd	8266 Round Lake Rd-to-Kelly Lake Rd	40.27	41.67	1.40	2	R	1430	80	65.6	R1	R1	178,000	249,200	53	2028	2028												
584253		58	Round Lake Rd	Kelly Lake Rd-to-Long Lake Rd	41.67	43.97	2.30	2	R	1430	80	61.9	R1	R1	178,000	409,400	49	2028	2028												
621183		62	Combermere Rd	Chapeskie Rd-to-Kingdom Hall Rd	11.43	14.88	3.45	2	R	2262	80	74.4	R1	R1	178,000	614,100	62	2028	2028												
621530		62	Combermere Rd	Kingdom Hall Rd-to-County Picnic Area Rd	14.88	17.01	2.13	2	R	2262	80	71	R1	R1	183,086	389,973	58	2028	2028												
630164	2	63	Flatt Rapids Rd	Watts Line-to-Stewartville Urban Begins	3.61	3.91	0.30	2	R	909	50	92.4	MICRO	MICRO	65,143	19,803	80	2028	2028												
630164	3	63	Flatt Rapids Rd	Stewartville Urban Begins-to-Stewartville Urban Ends	3.91	4.23	0.32	2	S	909	50	93.5	MICRO	MICRO	77,571	24,823	81	2028	2028												
630449		63	Stewartville Rd	Flatt Rapids Rd-to-Maple Bend Rd	4.23	5.53	1.30	2	R	757	60	84.9	MICRO	MICRO	67,714	87,961	72	2028	2028												
630583		63	Stewartville Rd	Maple Bend Rd-to-Cty Rd 508 (Calabogie Rd)	5.53	7.32	1.79	2	R	757	60	93.6	MICRO	MICRO	68,571	122,674	81	2028	2028												
630765		63	Anderson Rd	Cty Rd 508 (Calabogie Rd)-to-Hwy 17	7.32	8.84	1.52	2	R	430	80	93.1	MICRO	MICRO	68,571	104,366	81	2028	2028												
630921		63	Miller Rd	Hwy 17-to-Clifford Sideroad	8.84	11.74	2.89	2	R	282	80	87.6	MICRO	MICRO	68,143	197,205	75	2028	2028												
631213		63	Miller Rd	Clifford Sideroad-to-Cty Rd 6 (Lochwinnoch Rd)	11.74	12.70	0.97	2	R	282	80	93.9	MICRO	MICRO	67,714	65,344	81	2028	2028												
650000	1	65	Centennial Lake Rd	Matawatchan Rd-to-Doyle Drive	0.00	2.05	2.05	2	R	366	80	93.5	MICRO	MICRO	60,000	123,000	81	2028	2028												
660533		66	Opeongo Rd	Opeongo Rd N-to-Hopefield Rd	5.33	6.13	0.80	2	R	506	80	50.9	R1	R1	178,000	142,400	38	2028	2028												
660611		66	Opeongo Rd	Hopefield Rd-to-Doyle Mountain Rd	6.13	7.94	1.81	2	R	506	80	39.2	PR1	PR1	215,000	389,150	27	2028	2028												
690000	1	69	Siberia Rd	River Rd-to-End of HMA	0.00	1.45	1.45	2	R	219	80	50.7	B&S 1	B&S 1	263,000	381,350	38	2028	2028												
691301		69	Siberia Rd	Trader Lane-to-Biernacki St	13.13	13.80	0.67	2	S	2390	50	66.7	MR1-U	MR1-U	227,000	152,090	54	2028	2028												
691371		69	Dunn St	Biernacki St-to-Wilno St	13.80	14.33	0.53	2	U	2390	40	63.5	MR1-U	MR1-U	230,243	122,029	51	2028	2028												
710000		71	Matawatchan Rd	Hwy 41-to-5655 Matawatchan Road	0.00	2.49	2.49	2	R	502	80	89.6	MICRO	MICRO	60,429	150,467	77	2028	2028												
710290		71	Matawatchan Rd	5655 Matawatchan Rd-to-5266 Matawatchan Rd	2.49	4.38	1.89	2	R	502	80	89.1	MICRO	MICRO	60,000	113,400	77	2028	2028												
5080547	2	508	Calabogie Rd	6761 Calabogie Road-to-Barrett Chute Road	6.36	10.06	3.70	2	R	560	80	70.6	B&S 1	B&S 1	263,000	973,100	58	2028	2028												
5110778		511	Lanark Road	Barryvale Rd-to-Grassy Bay Rd	7.50	9.71	2.21	2	R	1001	80	60.2	PR1	PR1	215,000	475,150	48	2028	2028												
5111002		511	Lanark Road	Grassy Bay Rd-to-Madawaska River Bridge S Jnt	9.71	10.76	1.05	2	R	1001	60	64.6	PR1	PR1	215,000	225,750	52	2028	2028												
5111109		511	Lanark Road	Madawaska River Bridge N Jnt-to-Calabogie Bridge S Exp. Jnt	10.80	10.99	0.19	2	S	1001	50	53.5	PR1	PR1	225,750	42,892	41	2028	2028												
5152432		515	Quadeville Rd	Quadeville E Urban Limit-to-Jessup Rd	23.59	25.72	2.13	2	S	901	80	51.7	PR1	PR1	239,571	510,287	39	2028	2028												
5153611		515	Quadeville Rd	Yukes Dr-to-Cty Rd 512 (Foymount Rd)	35.90	40.50	4.60	2	R	376	80	79.3	R1	R1	199,614	918,226	67	2028	2028												
10010		1	Madawaska Blvd	Herrick Drive-to-Arnprior Town Limit (4 Lanes Begin)	0.11	0.55	0.44	2	R	8615	80	93.7	MICRO	MICRO	63,000	27,720	79	2029	2029											27,720	
10048		1	Madawaska Blvd	Arnprior Town Line-to-B258 E Exp Jnt	0.55	1.74	1.19	4	U	13813	50	88.3	MICRO	MICRO	94,286	112,200	74	2029	2029										112,200		
10396		1	River Road	Usborne St-to-Moore St	3.78	4.39	0.61	2	R	4446	80	88.8	MICRO	MICRO	62,143	37,907	74	2029	2029										37,907		

10 Year Capital Plan 2022-2031																																				
Road Sections																																				
Asset ID	Split ID	Road No.	Road Name	Section Description	From LR	To LR	Length (km)	Lanes	X Sec.	Adjusted AADT (1% /yr)	Posted Speed	PCI	2020 Program	Updated Program	Cost/km	Cost	PCI @ Plan Year	2020 Plan Year	Updated Plan Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031							
Annual Total																			\$ 13,295,936	\$ 14,253,390	\$ 13,209,370	\$ 14,316,302	\$ 14,311,152	\$ 14,651,893	\$ 14,769,224.79	\$ 15,813,548.89	\$ 15,230,466.86	\$ 16,470,639.21								
21431		2	White Lake Road	Waba Creek E Exp Jnt-to-Cty Rd 52 (Burnstown Rd)	14.17	14.56	0.39	2	U	2455	50	94.5	MICRO	MICRO	62,571	24,403	80	2029	2029	24,403																
90728		9	Bulger Rd	Stone Hedges Rd-to-Hwy 41	7.25	11.64	4.39	2	R	818	80	57.2	B&S 1	B&S 1	263,000	1,154,570	43	2029	2029	1,154,570																
120471		12	Westmeath Rd	Old Mill Bridge Rd-to-Westmeath Twp Dump	4.66	7.88	3.22	2	R	554	80	60	B&S 1	B&S 1	263,000	846,860	46	2029	2029	846,860																
210000		21	Beachburg Rd	Cty Rd 7 (Foresters Falls Rd-to-Fletcher Rd)	0.00	3.02	3.02	2	R	1185	80	87.4	MICRO	MICRO	68,143	205,451	73	2029	2029	205,451																
210311		21	Beachburg Rd	Fletcher Rd-to-Buchannan's Pit Entrance (1046)	3.02	5.09	2.07	2	R	1168	80	90.3	MICRO	MICRO	69,429	143,995	76	2029	2029	143,995																
220000		22	Grattan Rd	Hwy 41-to-Perrault Rd	0.00	2.01	2.01	2	R	669	80	82.9	MR1-R	MR1-R	203,000	408,030	69	2029	2029	408,030																
220205	1	22	Grattan Rd	Perrault Rd-to-Wren Rd	2.01	4.03	2.02	2	R	669	80	72	MR1-R	MR1-R	203,000	410,060	58	2029	2029	410,060																
220205	2	22	Grattan Rd	Wren Rd-to-Scotch Bush Rd	4.03	5.96	1.93	2	R	669	80	80.9	MR1-R	MR1-R	203,000	391,790	67	2029	2029	391,790																
250000		25	Laurentian Dr	Cty Rd 51 (Petawawa Blvd)-to-Silke Dr	0.00	1.38	1.38	2	S	2469	50	55.6	PR2	PR2	328,000	452,640	41	2029	2029	452,640																
250141		25	Laurentian Dr	Silke Dr-to-Civic Centre Rd	1.38	2.43	1.05	2	S	2469	60	58.2	PR2	PR2	328,000	344,400	44	2029	2029	344,400																
250248	1	25	Laurentian Dr	Civic Centre Rd-to-Dundonald Dr	2.43	2.96	0.53	2	S	2733	50	63	MR1-R	MR1-R	203,000	107,590	49	2029	2029	107,590																
250248	2	25	Laurentian Dr	Dundonald Dr-to-CR 16 (Victoria St)	2.96	3.42	0.46	2	S	2733	50	66.1	MR1-U	MR1-U	308,071	141,713	52	2029	2029	141,713																
261257		26	Doran Rd	Hwy 17-to-Airport Rd	12.35	14.16	1.81	2	R	2823	80	90.1	MICRO	MICRO	60,000	108,600	76	2029	2029	108,600																
261441		26	Doran Rd	Airport Rd-to-Black Bay Rd	14.16	16.17	2.01	2	R	2850	80	90.2	MICRO	MICRO	68,143	136,967	76	2029	2029	136,967																
360000		36	TV Tower Road	Cty Rd 35 (Jean Ave)-to-CPR Crossing	0.00	1.36	1.36	2	R	3888	80	47.7	PR2	PR2	339,714	462,011	33	2029	2029	462,011																
360138		36	TV Tower Road	CPR Crossing-to-Cty Rd 42 (Forest Lea Rd)	1.36	2.43	1.07	2	R	3351	80	51.1	PR2	PR2	342,057	366,001	37	2029	2029	366,001																
450000		45	Vanjumar Rd	Cty Rd 2 (White Lake Rd)-to-Russett Dr	0.00	0.54	0.54	2	S	3783	60	95	MICRO	MICRO	60,857	32,863	81	2029	2029	32,863																
450439		45	Russett Dr	Scheel Dr-to-Cty Rd 63 (Miller Rd)	4.30	5.82	1.52	2	R	1362	80	71.5	MR1-R	MR1-R	203,000	308,560	57	2029	2029	308,560																
480000		48	Magnesium Rd	Hwy 653-to-Mine View Rd	0.00	1.94	1.94	2	R	919	80	93.2	MICRO	MICRO	61,714	119,787	79	2029	2029	119,787																
480200		48	Magnesium Rd	Mine View Rd-to-Cty Rd 4 (Queens Line)	1.94	4.62	2.67	2	R	313	60	93.6	MICRO	MICRO	60,857	162,732	79	2029	2029	162,732																
490000		49	Lapasse Rd	Cty Rd 21 (Beachburg Rd)-to-Glen Rd	0.00	0.63	0.63	2	S	971	60	52.8	B&S 1	B&S 1	266,757	168,057	38	2029	2029	168,057																
490072		49	Lapasse Rd	Glen Rd-to-Cty Rd 31 (Lookout Rd)	0.63	3.30	2.67	2	R	971	80	58.3	PR1	PR1	215,000	574,050	44	2029	2029	574,050																
520867		52	Burnstown Rd	Picket Hill Lane S Jct-to-Picket Hill Lane N Jct	8.73	9.44	0.71	2	R	2537	50	95	MICRO	MICRO	61,714	43,817	81	2029	2029	43,817																
520944	1	52	Burnstown Rd	Picket Hill Lane N Jct-to-2148 Burnstown Rd	9.44	10.73	1.29	2	R	2537	50	95	MICRO	MICRO	60,000	77,400	81	2029	2029	77,400																
520944	2	52	Burnstown Rd	2148 Burnstown Rd-to-2349 Burnstown Rd	10.73	11.80	1.07	2	R	2537	80	95	MICRO	MICRO	60,000	64,200	81	2029	2029	64,200																
520944	3	52	Burnstown Rd	2349 Burnstown Rd-to-Canaan Rd	11.80	13.45	1.65	2	R	2537	80	95	MICRO	MICRO	60,000	99,000	81	2029	2029	99,000																
521040		52	Burnstown Rd	Canaan Rd-to-Fraser Rd (McNab/Horton Line)	13.45	14.42	0.97	2	R	2537	80	95	MICRO	MICRO	60,000	58,200	81	2029	2029	58,200																
580645		58	Round Lake Rd	Tramore Rd-to-1922 Round Lake Rd	6.43	9.36	2.93	2	R	841	80	68.7	R1	R1	190,714	558,793	54	2029	2029	558,793																
580939		58	Round Lake Rd	1922 Round Lake Rd-to-John St North	9.36	10.42	1.06	2	R	841	80	78.6	R1	R1	193,257	204,853	64	2029	2029	204,853																
581046		58	Round Lake Rd	John St North-to-Byers Creek Bdge N Exp Jnt	10.42	11.61	1.19	2	R	841	80	64.4	R1	R1	191,986	228,463	50	2029	2029	228,463																
584491		58	Round Lake Rd	Long Lake Rd-to-Dabers Rd	43.97	45.97	2.00	2	R	2085	80	76	R1	R1	180,543	361,086	62	2029	2029	361,086																
584695		58	Round Lake Rd	Dabers Rd-to-Bucholtz Rd	45.97	48.05	2.08	2	R	2085	80	68	R1	R1	184,357	383,463	54	2029	2029	383,463																
584907		58	Round Lake Rd	Bucholtz Rd-to-Rahns Rd	48.05	50.27	2.22	2	R	2085	80	73.4	R1	R1	183,086	406,450	59	2029	2029	406,450																
585134		58	Round Lake Rd	Rahns Rd-to-Cty Rd 26 (Doran Rd)	50.27	52.19	1.92	2	R	2567	80	64.3	R1	R1	183,086	351,525	50	2029	2029	351,525																
585342		58	Round Lake Rd	Cty Rd 26 (Doran Rd)-to-Henan Road	52.19	54.21	2.02	2	R	2646	80	78.2	R1	R1	183,086	369,833	64	2029	2029	369,833																
610211		61	Haley Rd	Orin Rd-to-Godfrey Rd	2.03	5.83	3.80	2	R	1545	80	67.8	MR1-R	MR1-R	208,800	794,066	53	2029	2029	794,066																
610614		61	Godfrey Rd	Haley Rd-to-Hwy 17	5.83	6.70	0.87	2	S	720	80	78.6	MR1-U	MR1-U	228,621	199,815	64	2029	2029	199,815																
620725		62	Combermere Rd	Long Lake Rd-to-Chippewa Rd	6.90	8.57	1.67	2	R	2262	80	70.4	R1	R1	183,086	305,753	56	2029	2029	305,753																
620900		62	Combermere Rd	Chippewa Rd-to-Chapeskie Rd	8.57	11.43	2.86	2	R	2262	80	70.7	R1	R1	181,814	519,989	56	2029	2029	519,989																
720730		72	Ridge Road	Dalton St-to-Champlain St	0.70	1.33	0.63	2	U	1872	40	73.6	MR1-U	MR1-U	267,536	168,548	59	2029	2029	168,548																
730000		73	Deep River Road	Hwy 17-to-Huron/Algonquin St	0.00	0.14	0.14	2	U	3967	40	90.2	MICRO	MICRO	78,429	10,980	76	2029	2029	10,980																
5110428		511	Lanark Road	Dolans Lane-to-Frost Lane	4.02	5.43	1.41	2	R	700	80	58	PR1	PR1	215,000	303,150	44	2029	2029	303,150																
5110567		511	Lanark Road	Frost Lane-to-Stones Lake Rd	5.43	6.44	1.01	2	R	700	80	49.1	PR1	PR1	215,000	217,150	35	2029	2029	217,150																
5110671		511	Lanark Road	Stones Lake Rd-to-Barryvale Rd	6.44	7.50	1.06	2	R	700	80	71.7	PR1	PR1	215,000	227,900	57	2029	2029	227,900																
5120540		512	Brudenell Rd	Stack Rd-to-Rochefort Rd	5.34	8.06	2.72	2	R	360	80	58.3	PR2	PR2	330,343	898,533	44	2029	2029	898,533																
5122576	1	512	Foymount Rd	McCauley Mountain Rd-to-B257	25.56	27.98	2.42	2	R	1187	80	96.4	MICRO	MICRO	60,000	145,200	82	2029	2029	145,200																

10 Year Capital Plan 2022-2031																														
Road Sections																			2022	2023	2024	2025	2026	2027	2028	2029	2030	2031		
Asset ID	Split ID	Road No.	Road Name	Section Description	From LR	To LR	Length (km)	Lanes	X Sec.	Adjusted AADT (1% /yr)	Posted Speed	PCI	2020 Program	Updated Program	Cost/km	Cost	PCI @ Plan Year	2020 Plan Year											Updated Plan Year	
																				Annual Total	\$ 13,295,936	\$ 14,253,390	\$ 13,209,370	\$ 14,316,302	\$ 14,311,152	\$ 14,651,893	\$ 14,769,224.79	\$ 15,813,548.89	\$ 15,230,466.86	\$ 16,470,639.21
5152580		515	Quadeville Rd	Jessup Rd-to-Kargus Rd	25.72	28.08	2.36	2	R	901	80	63.7	PR1	PR1	224,214	529,146	49	2029	2029	529,146										
5153079	2	515	Quadeville Rd	1400 Quadeville Rd-to-Yukes Dr.	33.66	35.90	2.24	2	R	376	80	97.7	MICRO	MICRO	61,286	137,280	83	2029	2029	137,280										
10000		1	Madawaska Blvd	Connifer Lane-to-Herrick Drive	0.00	0.11	0.11	2	R	7489	80	96.2	MICRO	MICRO	63,429	6,977	80	2030	2030	6,977										
12210		1	River Road	Castleford Bdge N Exp Jnt-to-Cty Rd 20 (Castleford Rd)	22.01	24.58	2.57	2	R	1145	80	93.5	MICRO	MICRO	60,857	156,403	77	2030	2030	156,403										
12884		1	River Road	Mullins Rd-to-Rex Lane	28.49	30.93	2.44	2	R	872	80	98	MICRO	MICRO	60,429	147,446	82	2030	2030	147,446										
13135		1	River Road	Rex Lane-to-Cty Rd 4 (Storyland Rd)	30.93	32.06	1.13	2	R	872	80	98	MICRO	MICRO	60,429	68,284	82	2030	2030	68,284										
40000		4	Storyland Road	Hwy 17-to-Eady Rd	0.00	1.75	1.75	2	R	2857	80	96.5	R1	R1	179,271	313,725	80	2030	2030	313,725										
70847		7	Foresters Falls Rd	Beginning of semi-urban-to-Beginning of rural	10.22	10.77	0.55	2	S	645	50	61.7	REC-2	REC-2	550,000	302,500	46	2030	2030	302,500										
70878		7	Foresters Falls Rd	Beginning of rural-to-Grants Settlement Rd	10.77	11.85	1.08	2	R	645	80	61.6	REC-2	REC-2	550,000	594,000	45	2030	2030	594,000										
100000		10	Division St	Baskin Drive West-to-Alexandra Street	1.21	1.97	0.76	2	S	5755	50	79.8	REC-U	REC-U	1,955,000	1,485,800	64	2030	2030	1,485,800										
100077		10	Division St	Alexandra Street-to-Cty Rd 1 (Division Street)	1.97	2.39	0.42	2	U	5458	50	85.8	REC-U	REC-U	2,122,571	891,480	70	2030	2030	891,480										
120000		12	Westmeath Rd	Cty Rd 21(Beachburg Rd)-to-Moores Beach Rd	0.00	1.51	1.51	2	R	554	80	68.1	MR1-R	MR1-R	203,000	306,530	52	2030	2030	306,530										
120153		12	Westmeath Rd	Moores Beach Rd-to-Sand Point Rd	1.52	3.00	1.48	2	R	554	80	66.4	MR1-R	MR1-R	203,000	300,440	50	2030	2030	300,440										
130264		13	Mountain Rd	Wilberforce/Stafford Line-to-Micksburg Rd	2.62	4.26	1.64	2	R	338	80	60.8	B&S 1	B&S 1	263,000	431,320	45	2030	2030	431,320										
350000		35	Jean Av	Cty Rd 36 (TV Tower Rd)-to-Beginning of Urban	0.00	0.83	0.83	2	R	3539	60	72.3	MR1-R	MR1-R	203,000	168,490	56	2030	2030	168,490										
490340		49	Lapasse Rd	Cty Rd 31 (Lookout Rd)-to-Pleasant Valley Rd	3.30	4.81	1.51	2	R	476	80	89.7	MICRO	MICRO	69,000	104,190	74	2030	2030	104,190										
490481		49	Lapasse Rd	Pleasant Valley Rd-to-Hawthorne Rd	4.81	6.19	1.38	2	R	476	80	94.7	MICRO	MICRO	69,000	95,220	79	2030	2030	95,220										
490619		49	Lapasse Rd	Hawthorne Rd-to-Grants Settlement Rd	6.19	8.32	2.13	2	R	476	80	94.4	MICRO	MICRO	69,000	146,970	78	2030	2030	146,970										
490835		49	Lapasse Rd	Grants Settlement Rd-to-Cty Rd 50 (Gore Line)	8.32	11.85	3.53	2	S	523	80	94.7	MICRO	MICRO	69,000	243,570	79	2030	2030	243,570										
500000	A	50	Gore Line	Jessie St-to-Wright Rd	0.11	1.41	1.30	2	R	405	80	90.3	MICRO	MICRO	61,286	79,671	74	2030	2030	79,671										
500000		50	Gore Line	Cty Rd 12 (Westmeath Rd)-to-Jessie St	0.00	0.11	0.11	2	U	405	50	95.4	MICRO	MICRO	68,143	7,496	79	2030	2030	7,496										
500143		50	Gore Line	Wright Rd-to-Hawthorne Rd	1.41	3.40	1.99	2	R	405	80	93.3	MICRO	MICRO	61,714	122,811	77	2030	2030	122,811										
500344		50	Gore Line	Hawthorne Rd-to-Canola Rd	3.40	5.07	1.67	2	R	405	80	91.9	MICRO	MICRO	61,286	102,347	76	2030	2030	102,347										
500512		50	Gore Line	Canola Rd-to-Nicolai Rd	5.07	7.40	2.33	2	R	405	80	92.2	MICRO	MICRO	61,286	142,796	76	2030	2030	142,796										
500748		50	Gore Line	Nicolai Rd-to-Cty Rd 49 (Lapasse Rd)	7.40	9.29	1.89	2	R	405	80	90.4	MICRO	MICRO	61,286	115,830	74	2030	2030	115,830										
520000		52	Burnstown Rd	Cty Rd 2 (White Lake Rd)-to-Waba Cr Bdge W Exp Jnt	0.00	0.74	0.74	2	U	1214	50	92.7	MICRO	MICRO	60,000	44,400	77	2030	2030	44,400										
540000	1	54	McLean Dr	Hwy 17-to-1887 McLean Dr	0.00	0.73	0.73	2	R	994	80	53	REC-2	REC-2	557,857	407,236	37	2030	2030	407,236										
560000		56	Woito Station Rd	Cty Rd 14 (Witt Rd)-to-Alice Twp Dump (Gate 3)	0.00	1.30	1.30	2	R	567	80	71.5	PR2	PR2	328,000	424,760	55	2030	2030	424,760										
560127		56	Woito Station Rd	Alice Twp Dump (Gate 3)-to-B Line Rd	1.30	4.16	2.87	2	R	567	80	69.2	PR2	PR2	328,000	939,720	53	2030	2030	939,720										
560405		56	Woito Station Rd	B Line Rd-to-Hwy 41	4.16	6.54	2.38	2	R	408	80	58.1	PR2	PR2	332,686	791,792	42	2030	2030	791,792										
620000		62	Combermere Rd	Hastings County Line-to-Combermere South Urban Lt.	0.00	1.76	1.76	2	R	1948	60	56.1	PR2	PR2	351,429	618,514	40	2030	2030	618,514										
620310		62	Combermere Rd	Cty Rd 515 (Palmer Rd)-to-Pine Cliff Rd	2.77	4.84	2.07	2	R	1960	80	74.8	R1	R1	179,271	371,092	59	2030	2030	371,092										
620520		62	Combermere Rd	Pine Cliff Rd-to-Long Lake Rd	4.84	6.90	2.06	2	R	1960	80	83.2	R1	R1	179,271	369,299	67	2030	2030	369,299										
652353		65	Centennial Lake Rd	Chimo Rd North-to-Black Donald Rd	23.48	27.49	4.01	2	R	459	80	98	MICRO	MICRO	60,000	890,930	82	2030	2030	890,930										
680000		68	Rockingham Rd	Cty Rd 515 (Palmer Rd)-to-Olsheskie	0.00	3.56	3.56	2	R	456	80	62.2	PR1	PR1	236,500	841,940	46	2030	2030	841,940										
5080000		508	Black Donald Rd	Cty Rd 65 (Centennial Lake Rd)-to-Cty Rd 508 (Calabogie Rd)	0.00	0.75	0.75	2	R	560	60	98	MICRO	MICRO	60,000	45,000	82	2030	2030	45,000										
5110000		511	Lanark Road	Lanark/Renfrew County Line-to-Bagot Long Lake Rd	0.00	1.40	1.40	2	R	700	80	69.1	PR1	PR1	215,000	301,000	53	2030	2030	301,000										
5110140		511	Lanark Road	Bagot Long Lake Rd-to-Dolans Lane	1.40	4.02	2.62	2	R	700	80	61.1	PR1	PR1	215,000	563,300	45	2030	2030	563,300										
5120813		512	Brudenell Rd	Rochefort Rd-to-Brudenell Waste Disposal Site	8.06	11.32	3.26	2	R	507	80	56.4	PR2	PR2	335,029	1,092,193	40	2030	2030	1,092,193										
5123489		512	Foymount Rd	Miller Rd (Heidemans Lumber)-to-Silver Lake Rd	34.55	37.07	2.52	2	R	1187	80	98	MICRO	MICRO	60,000	151,200	82	2030	2030	151,200										

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10 Year Capital Plan 2022-2031																																
Road Sections																				2022	2023	2024	2025	2026	2027	2028	2029	2030	2031			
Asset ID	Split ID	Road No.	Road Name	Section Description	From LR	To LR	Length (km)	Lanes	X Sec.	Adjusted AADT (1% /yr)	Posted Speed	PCI	2020 Program	Updated Program	Cost/km	Cost	PCI @ Plan Year	2020 Plan Year	Updated Plan Year													
																					Annual Total	\$ 13,295,936	\$ 14,253,390	\$ 13,209,370	\$ 14,316,302	\$ 14,311,152	\$ 14,651,893	\$ 14,769,224.79	\$ 15,813,548.89	\$ 15,230,466.86	\$ 16,470,639.21	
5151602		515	Palmer Rd	Latchford Bdge N Exp Jnt-to-Guiney Rd	15.93	18.26	2.33	2	R	756	80	98	MICRO	MICRO	61,714	143,794	82	2030	2030												143,794	
10262		1	Elgin Street West	Madawaska & Elgin-to-Cty Rd 10 (Division St)	2.46	3.29	0.83	2	U	5240	40	98	REC-2	MICRO	73,286	60,827	80	2021	2031													60,827
10347		1	River Road	Cty Rd 10 (Division St)-to-Usborne St	3.29	3.78	0.49	2	U	4446	50	98	REC-2	MICRO	74,143	36,330	80	2021	2031													36,330
11330		1	River Road	Mast Rd-to-Henry Crescent	13.20	15.03	1.83	2	R	1314	60	98	PR2	MICRO	60,000	109,800	80	2021	2031													109,800
50000	1	5	Stone Road	Hwy 132-to-Reid Rd	0.00	1.80	1.80	2	R	1260	80	96.5	MICRO	MICRO	60,000	108,000	79	2031	2031													108,000
50000	2	5	Stone Road	Reid Rd-to-Foy Rd	1.77	2.90	1.13	2	R	1260	80	98	MICRO	MICRO	60,000	67,620	80	2031	2031													67,620
50291		5	Stone Road	Foy Rd-to-Berlanquet Rd	2.90	4.34	1.44	2	R	1260	80	98	MICRO	MICRO	60,000	86,400	80	2031	2031													86,400
50436		5	Stone Road	Berlanquet Rd-to-Culhane Rd	4.34	6.28	1.94	2	R	1260	80	98	PR2	MICRO	60,000	116,400	80	2021	2031													116,400
50636	1	5	Stone Road	Culhane Rd-to-1574 Stone Rd	6.28	7.70	1.42	2	R	443	80	98	B&S 2	MICRO	60,000	84,960	80	2021	2031													84,960
70000		7	Foresters Falls Rd	Hwy 17-to-Gypsy Lane	0.00	1.04	1.04	2	R	2447	80	93.5	MICRO	MICRO	69,429	72,206	76	2031	2031													72,206
70108		7	Foresters Falls Rd	Gypsy Lane-to-Marjorie Rd	1.04	2.70	1.66	2	S	2447	60	93.5	MICRO	MICRO	69,429	115,251	76	2031	2031													115,251
70288		7	Foresters Falls Rd	Marjorie Rd-to-Zion Line	2.70	4.50	1.80	2	R	2628	80	96.5	MICRO	MICRO	60,429	108,771	79	2031	2031													108,771
70474		7	Foresters Falls Rd	Zion Line-to-Cty Rd 4 (Queens Line)	4.50	6.83	2.33	2	R	2628	80	96.5	MICRO	MICRO	60,429	140,799	79	2031	2031													140,799
70506		7	Foresters Falls Rd	Cty Rd 4 (Queens Line)-to-Cty Rd 21 (Beachburg Rd)	6.83	7.22	0.39	3	R	2628	80	98	PR2	MICRO	75,429	29,417	80	2021	2031													29,417
70538		7	Foresters Falls Rd	Cty Rd 21 (Beachburg Rd)-to-Government Rd	7.22	9.28	2.06	2	R	645	80	98	PR1	MICRO	60,857	125,366	80	2021	2031													125,366
70752		7	Foresters Falls Rd	Government Road-to-Harriet Street (urban begins)	9.28	9.57	0.29	2	R	645	60	98	PR1	MICRO	60,429	17,524	80	2021	2031													17,524
90000		9	Bulger Rd	Hwy 60/Cty Rd 8 (Cobden Rd)-to-Agnew Rd	0.00	2.02	2.02	2	R	914	80	96	MICRO	MICRO	60,000	121,200	78	2031	2031													121,200
121012		12	Westmeath Rd	Urban Beginning-to-Cty Rd 50 (Gore Line)	10.12	10.80	0.68	2	U	1620	50	90.6	MICRO	MICRO	67,714	46,046	73	2031	2031													46,046
130000		13	Mountain Rd	Hwy 41-to-Wilberforce/Stafford Line	0.00	2.62	2.62	2	R	338	80	96.5	MICRO	MICRO	60,000	157,200	79	2032	2031													157,200
210963		21	Beachburg Rd	Cty Rd 49 (Lapasse Rd)-to-Davidson Rd	9.34	10.67	1.32	2	R	2000	80	90	MICRO	R1	181,814	240,722	72	2021	2031													240,722
211099		21	Beachburg Rd	Davidson Rd-to-Zion Line	10.67	12.66	1.99	2	R	2000	80	85	MICRO	R1	180,543	359,641	67	2021	2031													359,641
211303		21	Beachburg Rd	Zion Line-to-Valleyview Rd	12.66	14.78	2.12	2	R	2000	80	80	MICRO	R1	179,271	379,876	62	2021	2031													379,876
211522		21	Beachburg Rd	Valleyview Rd-to-Hila Rd	14.78	17.12	2.34	2	R	2000	80	75	MICRO	R1	181,814	425,991	57	2021	2031													425,991
260000		26	Doran Rd	Cty Rd 14 (Witt Rd)-to-Zanders Rd	0.00	2.05	2.05	2	R	679	80	59.4	PR2	PR2	328,000	672,400	41	2031	2031													672,400
260209		26	Doran Rd	Zanders Rd-to-Sandy Beach Rd	2.05	4.08	2.03	2	R	679	80	57.1	PR2	PR2	328,000	665,840	39	2031	2031													665,840
280631		28	Barron Canyon Rd	Priebe Rd-to-Cty Rd 26 (Doran Rd)	6.38	8.32	1.94	2	R	746	80	55	PR1	PR1	216,536	420,079	37	2031	2031													420,079
340448		34	Norton Road	927 Whelan Rd-to-Pucker St	4.53	7.60	3.07	2	R	271	80	81.5	R1	R1	200,886	616,719	64	2032	2031													616,719
340748		34	Norton Road	Pucker St-to-English Rd	7.60	9.54	1.94	2	R	289	80	87.4	R1	R1	195,800	379,852	69	2032	2031													379,852
340942		34	Whelan Rd	English Rd-to-Kenopic Rd	9.54	10.84	1.30	2	R	289	80	52.2	PR1	PR1	215,000	279,500	34	2031	2031													279,500
400468		40	Greenwood Rd	Cty Rd 21 (Beachburg Rd)-to-Cty Rd 24 (White Water Rd)	4.66	5.50	0.84	2	R	7415	80	91	MICRO	MICRO	76,286	64,080	73	2031	2031													64,080
400554	1	40	Greenwood Rd	Cty Rd 24 (White Water Rd)-to-Robinson Rd	5.50	6.63	1.13	2	R	7033	80	94.4	MICRO	MICRO	75,857	85,719	76	2031	2031													85,719
511211		51	Petawawa Blv	Cty Rd 26 (Doran St)-to-Cty Rd 16	12.19	12.75	0.56	3	U	12330	50	95	MR1-U*	MICRO	79,286	600,000	77	2021	2031													600,000
511233		51	Petawawa Blv	Cty Rd 16 (Victoria St)-to-Petawawa River Bdge S Exp Jnt	12.75	12.91	0.16	3	U	12330	50	95	MR1-U*	MICRO	78,429	120,000	77	2021	2031													120,000
511328		51	Petawawa Blv	Petawawa River Bdge N Exp Jnt-to-Military Camp Rd	12.99	13.25	0.26	3	U	12330	50	95	MR1-U*	MICRO	79,286	80,000	77	2021	2031													80,000
521136	1	52	Burnstown Rd	Fraser Rd (McNab/Horton Twp)-to-1.8km N of Fraser	14.42	16.22	1.80	2	R	3049	80	98	R1	MICRO	60,000	108,000	80	2021	2031													108,000
521136	2	52	Burnstown Rd	1.8km N of Fraser-to-Lime Kiln Rd	16.22	17.48	1.26	2	R	2524	80	98	R1	MICRO	60,000	75,600	80	2021	2031													75,600
521442		52	Burnstown Rd	Lime Kiln Rd-to-Pucker St	17.48	18.70	1.22	2	R	6034	80	98	R1	MICRO	60,000	73,200	80	2021	2031													73,200
521563		52	Burnstown Rd	Pucker St-to-Graham Ave	18.70	19.32	0.62	2	U	6034	60	98	MR1-U	MICRO	362,903	225,000	80	2021	2031													225,000
521626		52	Raglan St S	Graham Ave-to-Hwy 60 (Coumbes St)	19.32	20.54	1.22	2	U	6034	60	98	MR1-U	MICRO	457,110	557,217	80	2021	2031													557,217
651874		65	Centennial Lake Rd	Deer Mountain Rd-to-Chimo Rd North	19.38	23.48	4.10	2	R	459	80	98	B&S 1	MICRO	60,000	246,000	80	2021	2031													246,000
660791	1	66	Opeongo Rd	Doyle Mountain Rd-to-Renfrew County Forest Entrance	7.94	10.79	2.85	2	R	506	80	46.4	PR1	PR1	215,000	612,750	28	2031	2031													612,750
660791	2	66	Opeongo Rd																													

10 Year Capital Plan 2022-2031																														
Road Sections																														
Asset ID	Split ID	Road No.	Road Name	Section Description	From LR	To LR	Length (km)	Lanes	X Sec.	Adjusted AADT (1% /yr)	Posted Speed	PCI	2020 Program	Updated Program	Cost/km	Cost	PCI @ Plan Year	2020 Plan Year	Updated Plan Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	
																			Annual Total	\$ 13,295,936	\$ 14,253,390	\$ 13,209,370	\$ 14,316,302	\$ 14,311,152	\$ 14,651,893	\$ 14,769,224.79	\$ 15,813,548.89	\$ 15,230,466.86	\$ 16,470,639.21	
670203		67	Simpson Pit Rd	Scenic Rd-to-Mask Rd	1.98	3.98	2.00	2	R	1169	80	96.5	MICRO	MICRO	60,000	120,000	79	2031	2031											120,000
670407		67	Simpson Pit Rd	Mask Rd-to-Byers Creek Rd	3.98	6.04	2.06	2	R	1169	80	98	MICRO	MICRO	60,000	123,600	80	2031	2031											123,600
670617		67	Simpson Pit Rd	Byers Creek Rd-to-Buck Hill Rd	6.04	8.49	2.45	2	R	1169	80	98	B&S 2	MICRO	60,000	147,000	80	2021	2031											147,000
680350		68	Rockingham Rd	Olsheskie Ranch-to-Diamond Lake Rd	3.56	6.58	3.02	2	R	456	80	72.6	PR1	PR1	231,893	699,621	55	2031	2031											699,621
680652		68	Rockingham Rd	Diamond Lake Rd-to-Dovetail Rd	6.58	10.21	3.63	2	R	456	80	67.7	PR1	PR1	228,821	830,851	50	2031	2031											830,851
681012		68	Rockingham Rd	Dovetail Rd-to-Guiney Rd	10.21	12.26	2.05	2	R	456	80	77.6	R1	R1	183,086	375,143	60	2032	2031											375,143
681207		68	Rockingham Rd	Guiney Rd-to-Letterkenny Rd	12.26	14.82	2.56	2	R	456	60	68.7	PR1	PR1	215,000	551,045	51	2032	2031											551,045
681461		68	Letterkenny Rd	Rockingham Rd-to-Cty Rd 66 (Opeongo Rd N)	14.82	19.82	5.00	2	R	341	80	75.2	R1	R1	178,000	890,534	57	2032	2031											890,534
710325		71	Matawatchan Rd	5266 Matawatchan Rd-to-4877 Matawatchan Rd	4.38	6.36	1.98	2	R	502	80	92.8	MICRO	MICRO	60,429	119,649	75	2031	2031											119,649
5121155		512	Brudenell Rd	Brudenell Waste Disposal Site-to-Brudenell Village North Limit	11.32	13.82	2.50	2	R	815	80	60.9	PR2	PR2	330,343	825,857	43	2031	2031											825,857
5121399	-	512	Brudenell Rd	Brudenell Village North Limit-to-Renfrew County Road 66	13.82	14.34	0.52	2	R	815	60	60.9	PR2	PR2	330,343	171,778	43	2031	2031											171,778
5152817		515	Quadeville Rd	Kargus Rd-to-Sacred Heart Rd	28.08	30.70	2.62	2	R	376	80	98	MICRO	MICRO	60,000	157,200	80	2031	2031											157,200
5153079	1	515	Quadeville Rd	Sacred Heart Rd-to-1400 Quadeville Rd.	30.70	33.66	2.96	2	R	376	80	98	MICRO	MICRO	60,000	177,600	80	2031	2031											177,600

10 Year Capital Plan 2022 - 2031																						
Bridge Structures																						
Asset ID	Structure Name	Road	Location	Municipality	Traffic AADT	BCI	Description of Planned Works	2020 Cost	Updated Cost	2020 Plan Year	Updated Plan Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	
Annual Totals												\$6,674,000	\$3,656,000	\$3,735,000	\$3,115,200	\$2,946,400	\$3,280,060	\$3,501,940	\$3,231,000	\$2,660,000	\$2,295,000	
General Structure Repairs												\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$120,000	
B002	Bonnechere River Bridge	Bonnechere Rd	1.1 km S of Highway 60	Admaston/Bromley	200	74.0	Patch, WP, & Pave	400,000	400,000	2021	2021	\$600,000										
B005	Scollard Bridge	Pucker Street	3 km E of County Road 34	Admaston/Bromley	200	53.0	Rehab or Replace	400,000	600,000	2022	2022											
B022	Indian River Bridge	Sandy Beach Rd	0.5 km W of Highway 41	Laurentian Valley	1000	70.0	General rehab, conversion to s-i abuts, rep B.O. Structure	1,000,000	1,200,000	2022	2022											
B056	Colterman Bridge	Colterman Road	0.9 km E of Flat Road	Greater Madawaska	10	69.0	Lift, Clean, & Recoat steel w/ rehab	100,000	100,000	2022	2022											
B057	Mount St. Patrick Bridge	Mount St Patrick Rd	5 km S of Highway132	Greater Madawaska	100	51.0	Replace Structure	600,000	800,000	2022	2022											
B064	Pilgrim Road Bridge	Pilgrim Road	0.5 km East of Guiney Rd	Brudenell, Lyndoch & Raglan	30	66.0	Deck W/s, Erosion Prot, Clean & Paint Steel	200,000	200,000	2022	2022											
B068	Schimmins Creek Bridge	Welk Road	2.3 km N of County Road 515	Brudenell, Lyndoch & Raglan	10	66.0	Lift, Clean, & Recoat steel w/ rehab	100,000	100,000	2022	2022											
B150	Dam Lake Bridge	Stanley Olsheski Rd	11.5 km of County Road 62	Madawaska Valley	40	71.0	Lift, Clean, & Recoat steel w/ rehab	100,000	100,000	2022	2022											
B203	Petawawa River Bridge	51	0.3 km S of CR 55 (Paquette Road)	Petawawa	14600	70.0	Patch, WP, Pave, & Replace Exp.Jnts	1,300,000	1,300,000	2022	2022											
B257	Harrington Creek Bridge	512	2.5 km E of Cormac Road	Bonnechere Valley	545	29.0	Rehabilitation, Deck Widening , Barrier Replacement OR Culvert Replace	800,000	800,000	2022	2022											
B319	Bucholtz Bridge	58	0.1 km N of Bucholtz Rd	Laurentian Valley	2091	73.0	Patch W.proof and pave and rehab	480,000	950,000	2021	2022	\$950,000										
B007	Butler Bridge	Butler Road	1 km S of Highway 60	Admaston/Bromley	150	74.0	Patch W.proof and pave and rehab	1,000,000	1,000,000	2023	2023	\$100,000	\$900,000									
B044	Douglas Bridge	5	3 km E of Highway 60 in Douglas	Admaston/Bromley	970	68.0	Patch, WP, & Pave	450,000	450,000	2023	2023	\$45,000	\$405,000									
B102	Brennans Creek Bridge	512	1.45 km S of Hwy 60	Killaloe, Hagarty & Richards	1016	64.0	Overlay, WP, & Pave	540,000	540,000	2023	2023	\$54,000	\$486,000									
B108	Tramore Bridge	Tramore Road	0.25 km N of County Road 58	Killaloe, Hagarty & Richards	200	74.0	End treatment & general maintenance and rehab	400,000	400,000	2023	2023	\$40,000	\$360,000									
B156	Burnt Bridge	Burnt Bridge Road	11 km S of County Road 515	Brudenell, Lyndoch & Raglan	100	64.0	Repl B.O Str,Ins A.G.rail, and rehab	250,000	250,000	2023	2023	\$25,000	\$225,000									
B232	Cochrane Creek Bridge	Cement Bridge Road	200 m West of Burchat Rd	North Algona/Wilberforce	10	40.0	Replace Bridge	500,000	500,000	2023	2023	\$50,000	\$450,000									
B310	Ski Hill Bridge	58	3.2 km W of Stencells Rd.	Laurentian Valley	1224	69.0	Extensive Deck, Barriers, & Approach Concrete Repairs	300,000	300,000	2023	2023	\$30,000	\$270,000									
B073	Kargus Creek Bridge	Kargus Road	1.2 km S of CR 515 (Quadeville Rd)	Brudenell, Lyndoch & Raglan	30	13.4	Replace with Lessard Bridge (20-30')	200,000	200,000	2024	2024		\$20,000									\$180,000
B103	O'Grady Bridge	O'Grady Settlement Road	4.5 km from County Road 512	Killaloe, Hagarty & Richards	30	57.0	Install End Treatment, clean + paint struct steel, & rehab deck	200,000	200,000	2024	2024		\$20,000									\$180,000
B145	Combermere Bridge	62	0.5 km S of County Road 515	Madawaska Valley	1900	68.0	Patch, WP, & Pave o/a Rehab	1,400,000	1,400,000	2024	2024		\$140,000									\$1,260,000

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Bridge Structures																					
Asset ID	Structure Name	Road	Location	Municipality	Traffic AADT	BCI	Description of Planned Works	2020 Cost	Updated Cost	2020 Plan Year	Updated Plan Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Annual Totals												\$6,674,000	\$3,656,000	\$3,735,000	\$3,115,200	\$2,946,400	\$3,280,060	\$3,501,940	\$3,231,000	\$2,660,000	\$2,295,000
B181	Peter Black Bridge	24	1.5 km E of Highway 41	Laurentian Valley	1500	65.0	Maj.Reh: deck replacement w/ semi-integral abutment conversion	1,800,000	1,800,000	2024	2024	\$180,000	\$1,620,000								
B122	Waba Creek Bridge	52	0.7 km N of CR 2	McNab/Braeside	520	67.0	Minor Rehab	250,000	250,000	2025	2025										
B123	Burnstown Bridge	52	0.3 km E of County Road 508	McNab/Braeside	820	73.0	Repl Barr.over. Str, S.walk & Sub.Str concrete Repair and rehab	2,700,000	2,700,000	2025	2025										
B019	CPR Overhead	42	0.1 km E B Line Rd	Laurentian Valley	2265	72.0	Inst B.O.Struct, Pier Concr repair. And rehab	821,600	822,000	2026	2026										
B033	Springtown Bridge	Springtown Bridge Rd	0.3 km S of County Road 508	Greater Madawaska	70	74.0	Joint seal repl.and Gernal.maintenance	100,000	100,000	2026	2026										
B055	Mountain Chute Bridge	Hydro Dam Road	5.5 km S of County Road 508	Greater Madawaska	75	72.0	Replace W.S.	100,000	100,000	2026	2026										
B071	Bruceton Bridge	Keller Road	5.5 km N of Highway 28	Brudenell, Lyndoch & Raglan	20	69.8	Lift, Clean, & Recoat steel w/ rehab	100,000	100,000	2026	2026										
B091	Danny Constant Bridge	Constant Lake Road	1.5 km W of Highway 41	Bonnechere Valley	100	72.0	Rehab or Replace	130,400	130,000	2026	2026										
B106	Turner's Bridge	Turners Road	5 km W of County Road 58	Killaloe, Hagarty & Richards	200	72.0	Patch w.proof, & pave, Concr girder repair and rehab	350,000	350,000	2026	2026										
B121	Waba Creek Bridge	2	0.8 km W of County Road 23	McNab/Braeside	3253	70.0	Repl App.G.rail, Repair S.walk, barrier & Deck Concrete and rehab	300,000	300,000	2026	2026										
B176	Paugh Lake Road Bridge	Paugh Lake Road	12 km N of Wilno North Road	Madawaska Valley	150	74.0	Major Rehab or Replacement	500,000	500,000	2026	2026										
B188	Turcotte Bridge	Code Road	2.2 km NE of Micksburg Rd	Laurentian Valley	40	31.0	Replace Structure	300,000	300,000	2026	2026										
B031	Madawaska River Bridge	511	1.8 km S of County Road 508	Greater Madawaska	562	72.0	Repair Sub.Str, Soffit Conc, Replac Ex.Joint, & Barr.O.structure, and rehab	936,000	936,000	2027	2027	\$93,600	\$842,400								
B032	Calabogie Bridge	511	1.3 km S of County Road 508	Greater Madawaska	562	74.0	Rep B.O. Str,& soffit Concr repair	589,600	600,000	2027	2027										
B117	Mackey Creek Bridge	Mackey Creek Rd	6.2 km S of Highway 17	Head, Clara & Maria	30	67.0	New Timber deck	55,000	60,000	2027	2027										
B118	Arnprior CPR Overhead	1	0.01 km S of Lot 6 Con B-McNab	McNab/Braeside	4899	74.0	S.walk concr repair, and G.maintenance and rehab	443,600	450,000	2027	2027										
B198	Mill Creek Bridge	21	0.2 km E of County Road 49	Whitewater Region	1480	74.0	Overlay, WP, & Pave, Replace Barrs., and Rehab	350,000	350,000	2027	2027										
B200	Bonnechere River Lower Bridge	John Street	0.65 km E of Bridge St (HWY 41)	Bonnechere Valley	500	71.0	Patch,Repl B.O.Str,Patch and rehab	650,000	650,000	2027	2027										
B021	Indian River - B-Line Bridge	B-Line Road	1.5 km N of Witt Road	Laurentian Valley	2000	71.0	S.Str Concrete repair and paint Str steel and rehab	536,600	536,600	2028	2028										
B053	Constant Creek Bridge	Ferguson Lake Road.	5.3 km N of County Road 508	Greater Madawaska	100	51.0	Replace as per past EA	1,800,000	1,800,000	2028	2028										

10 Year Capital Plan 2022 - 2031																					
Bridge Structures																					
Asset ID	Structure Name	Road	Location	Municipality	Traffic AADT	BCI	Description of Planned Works	2020 Cost	Updated Cost	2020 Plan Year	Updated Plan Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Annual Totals												\$6,674,000	\$3,656,000	\$3,735,000	\$3,115,200	\$2,946,400	\$3,280,060	\$3,501,940	\$3,231,000	\$2,660,000	\$2,295,000
B074	Fire Tower Creek Bridge	Fire Tower Road	1 km E of County Road 515	Brudenell, Lyndoch & Raglan	2	66.8	Lift, Clean, & Recoat steel w/ rehab	100,000	100,000	2028	2028	\$10,000 \$90,000									
B105	Coulas Bay's Bridge	Bear Trail Road	1.5 km W of County Road 58	Killaloe, Hagarty & Richards	5	70.5	Lift, Clean, & Recoat steel w/ rehab	100,000	100,000	2028	2028	\$10,000 \$90,000									
B158	Meilleurs Bridge	Meilleurs Road	0.9 km S of Highway 17	Laurentian Hills	40	66.0	Deck, and S.Str Concr repair, Repl Barrier,Inst Appr G.rail, Abutment repair and replace	218,000	220,000	2028	2028	\$22,000 \$198,000									
B179	Golden Lake Reserve Bridge	70	0.7 km S of Highway 60 at Golden Lake	North Algona/Wilberforce	1500	75.0	General maintenance and rehab	630,000	630,000	2028	2028	\$63,000 \$567,000									
B023	Zanders Bridge	Zanders Rd	2 km E of County Road 26	Laurentian Valley	100	71.0	Overlay W.proof, End treatment.Crk sealing	150,000	150,000	2029	2029	\$15,000 \$135,000									
B034	Constant Creek Bridge	508	4 km W of Junction of County Road 511 & 508	Greater Madawaska	459	74.0	Rep B.O. Str,Rout seal & cracks	90,000	90,000	2029	2029	\$9,000 \$81,000									
B096	Centennial Lake Bridge	65	4 km E of Camel Chute	Greater Madawaska	285	75.0	Mill & Pave/ Minor Rehab	100,000	100,000	2029	2029	\$10,000 \$90,000									
B100	Sherwood River Bridge	58	17 km N of Highway 60	Killaloe, Hagarty & Richards	1496	69.0	General maintenance and rehab	400,000	400,000	2029	2029	\$40,000 \$360,000									
B143	McDonnels Bridge	19	2.2 km N of County Road 24	Laurentian Valley	1860	74.0	General Repairs	150,000	150,000	2029	2029	\$15,000 \$135,000									
B144	Johnston Bridge	19	0.8 km S of Olympic Drive (formerly Highway 41)	Laurentian Valley	1860	72.0	General Repairs	150,000	150,000	2029	2029	\$15,000 \$135,000									
B153	Jewellville Bridge	515	3.7 km W of Jct County Road 514/County Road 515	Brudenell, Lyndoch & Raglan	1375	73.0	Patch, WP & Pave with Rehab	1,200,000	1,200,000	2029	2029	\$120,000 \$1,080,000									
B173	Byers Creek Bridge	58	13 km N of Jct. Highway 60	Killaloe, Hagarty & Richards	851	73.8	General maintenance and rehab	300,000	300,000	2029	2029	\$30,000 \$270,000									
B226	Black Creek Bridge	Black Creek Rd	3.2 km N of County Road 30	North Algona/Wilberforce	100	95.0	Lift, Clean, & Recoat steel w/ rehab	500,000	500,000	2029	2029	\$500,000									
B127	Stewartville Bridge	Stewartville Road	0.2 km S of Stewartville	McNab/Braeside	600	73.0	Patch, WP, & Pave	1,300,000	1,300,000	2030	2030	\$130,000 \$1,170,000									
B184	Hales Creek Bridge	Golf Course Road	0.5 km S of County Road 51	Laurentian Valley	500	74.4	General rehab	100,000	100,000	2030	2030	\$10,000 \$90,000									
B185	Moffat Canal Bridge	Forest Park Road	1 km N of County Road 21	Laurentian Valley	350	74.0	General rehab	100,000	100,000	2030	2030	\$10,000 \$90,000									
B233	Latchford Bridge	515	2.8 km E of Jct County Road 514/County Road 515	Brudenell, Lyndoch & Raglan	487	75.0	General maintenance and rehab	937,600	950,000	2030	2030	\$95,000 \$855,000									
B018	Davis Mills Bridge	26	3.1 km S of Round Lake Rd (CR 58)	Laurentian Valley	370	74.0	Soffit & S.Str Concr repair, and rehab	800,000	800,000	2033	2031	\$80,000 \$720,000									
B110	Captain Christopher Bell Bridge	1	2.6 km E of County Road 20	Horton	3194	75.0	Mill & Pave/ Minor Rehab	600,000	600,000	2034	2031	\$60,000 \$540,000									
B120	Clay Bank Bridge	2	1.9 km South of HWY 417	McNab/Braeside	2327	75.0	Mill & Pave/ Minor Rehab	200,000	200,000	2033	2031	\$20,000 \$180,000									
B186	Third Line Bridge	Stafford Third Line	3.5 km NW of CR 13	Laurentian Valley	250	75.0	General rehab	250,000	250,000	2031	2031	\$25,000 \$225,000									
B224	Snake River Bridge	Snake River Road	2.3 km S of County Road 13	Whitewater Region	150	74.0	App.W.Surface,G.rail maintenance	250,000	250,000	2031	2031	\$25,000 \$225,000									
B258	Madawaska River Bridge	1	0.1 km E of CR 2 (Daniel St. N.)	Arnprior	14968	85.0	Replace Bearings	200,000	200,000	2031	2031	\$20,000 \$180,000									

10 Year Capital Plan 2022 - 2031																					
Bridge Structures																					
Asset ID	Structure Name	Road	Location	Municipality	Traffic AADT	BCI	Description of Planned Works	2020 Cost	Updated Cost	2020 Plan Year	Updated Plan Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Annual Totals												\$6,674,000	\$3,656,000	\$3,735,000	\$3,115,200	\$2,946,400	\$3,280,060	\$3,501,940	\$3,231,000	\$2,660,000	\$2,295,000
B311	Indian River Bridge	58	2.4 km W of Stencells Rd	Laurentian Valley	1050	74.0	General Rehab	250,000	250,000	2031	2031									\$25,000	\$225,000

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Culvert Structure																						
Asset ID	Structure Name	Road	Location	Municipality	AADT	BCI	Description of Work	Pre Design Needed?	Prev Cost	Updated Cost	Prev Plan Year	Updated Plan Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Annual Totals													\$3,441,000.00	\$3,904,500.00	\$2,800,000.00	\$2,678,000.00	\$2,777,000.00	\$2,638,500.00	\$2,851,000.00	\$2,998,500.00	\$4,232,500.00	\$3,776,000.00
C012	Farquharson's Culvert	S. McNaughton Road	0.75 km N of Highway 132	Admaston/Bromley	564	55.0	Rehab	Yes	150,000	150,000	2022	2022	\$135,000.00									
C037	Bagot Creek Culvert	Lower Spruce Hedge Road	2 km E of County Road 508	Greater Madawaska	50	20.8	Replacement	Yes	380,000	380,000	2022	2022	\$342,000.00									
C040	Snake River Culvert	8	2 km E of Micksburg Road	Admaston/Bromley	2060	58.1	Concrete patching & erosion control	Yes	120,000	120,000	2022	2022	\$108,000.00									
C134	Campbell Drive Culvert	Campbell Drive	2 km W of Highway 17	McNab/Braeside	300	45.0	Replacement	Yes	650,000	650,000	2022	2022	\$585,000.00									
C137	Hanson Creek Culverts	Robertson Line	2 km W of County Road 2	McNab/Braeside	100	56.8	Replacement	Yes	180,000	180,000	2022	2022	\$162,000.00									
C152	Wadsworth Lake Culvert	Old Barry's Bay Road	10 km N of County Road 62 @ KoperNik rd	Madawaska Valley	500	45.5	Replacement	Yes	280,000	280,000	2022	2022	\$252,000.00									
C197	Etmanskie Swamp Culvert	62	0.6 km S of HWY 60	Madawaska Valley	2865	45.2	Replacement	No	300,000	1,100,000	2021	2022	\$1,100,000.00									
C269	Jacks Lake Culverts	58	1.7 km E of Jacks Lake Picnic Site	Killaloe, Hagarty & Richards	1425	53.4	Line or Replace	Yes	200,000	200,000	2022	2022	\$180,000.00									
C302	Wingle Creek Twin Culverts	Rochfort Road	4.1 km S of Ruby Rd (CR 70)	Killaloe, Hagarty & Richards	100	16.3	Replacement	Yes	200,000	200,000	2022	2022	\$180,000.00									
C001	Berlanquet Creek Culvert	5	4 km W of HWY 132	Admaston/Bromley	1180	67.1	Line or Replace	Yes	385,000	385,000	2023	2023	\$38,500.00	\$346,500.00								
C025	Borne Road Culvert	Borne Road	0.75 km W of CR 58	Laurentian Valley	160	27.6	Major Rehab	Yes	300,000	300,000	2022	2023	\$30,000.00	\$270,000.00								
C051	Harris Creek Culvert	Proven Line	0.5 km N of Barr Line	Admaston/Bromley	2	25.7	Replacement	Yes	200,000	200,000	2023	2023	\$20,000.00	\$180,000.00								
C054	Big Black Donald Creek Culvert	65	26 km W of Junction of County Road 511 & 508	Greater Madawaska	259	73.8	Slopes & GR w/ Road project	No	50,000	50,000	2023	2023		\$50,000.00								
C130	Lochiel Creek Culvert North	63	0.2 km W of Highway 17	McNab/Braeside	300	33.9	Replacement	Yes	335,000	335,000	2023	2023	\$33,500.00	\$301,500.00								
C191	Dicks Road Culvert	Dicks Road	0.8 km N of Micksburg Road	Laurentian Valley	20	29.4	Replacement	Yes	200,000	200,000	2023	2023	\$20,000.00	\$180,000.00								
C201	Broomes Creek Culvert	7	0.1 km E of Foresters Falls	Whitewater Region	480	35.3	Replacement	Yes	1,000,000	1,000,000	2021	2023	\$100,000.00	\$900,000.00								
C204	Bellowes Creek Culvert	12	4.5 km E of County Road 21	Whitewater Region	1075	45.0	Rehab or Replace	Yes	300,000	300,000	2023	2023	\$30,000.00	\$270,000.00								
C268	St. Columbkille's Culvert	58	50 m S of TV Tower Rd	Laurentian Valley	1425	63.9	Major Rehab	Yes	750,000	750,000	2023	2023	\$75,000.00	\$675,000.00								
C325	Neilson Creek Culvert	Clear Lake Road	2.2 km S of Foymount Rd (512)	Bonnechere Valley	200	35.6	Replacement	Yes	500,000	500,000	2023	2023	\$50,000.00	\$450,000.00								
C062	John Watson Culvert 2	John Watson Road	3.3 km SW of CR 66	Brudenell, Lyndoch & Raglan	60	31.0	Replace, but larger	Yes	300,000	300,000	2024	2024		\$30,000.00	\$270,000.00							
C126	Madawaska River Culvert	508	17.1 km S of Highway 17	Greater Madawaska	2040	72.9	Replacement	Yes	630,000	630,000	2024	2024		\$63,000.00	\$567,000.00							
C136	Robertson Twin Pipes	Robertson Line	1.5 km E of County Road 2	McNab/Braeside	150	49.6	Replacement	Yes	520,000	520,000	2024	2024		\$52,000.00	\$468,000.00							
C215	Elm Creek Culverts	Snake River Line	1 km N of Waterview Road, Lot: 8, 26, Conc.: 1, 1	Whitewater Region	250	28.6	Replacement	Yes	360,000	360,000	2025	2024		\$36,000.00	\$324,000.00							
C221	Kenny's Culvert	Pleasant Valley Road	0.5 km N of County Road 12	Whitewater Region	150	54.1	Replacement	Yes	200,000	200,000	2024	2024		\$20,000.00	\$180,000.00							
C229	Burnt Bridge	Burnt Bridge Road	0.35 km N of CR 9	Laurentian Valley	2	45.6	Replacement	Yes	305,000	305,000	2024	2024		\$30,500.00	\$274,500.00							
C250	Pleasant Valley Culvert	Grants Settlement Road	1.4 km S of Lapasse Road (CR 49)	Whitewater Region	250	68.1	Major Rehab	Yes	500,000	500,000	2024	2024		\$50,000.00	\$450,000.00							
C010	Rath's Culvert	S. McNaughton Road	1.5 km E of Culhane Road	Admaston/Bromley	363	58.5	Replacement	Yes	580,000	580,000	2025	2025			\$58,000.00	\$522,000.00						
C014	Labombard Culvert	Chris Ruddy Road	0.5 km S of County Road 5	Admaston/Bromley	30	43.9	Replacement	Yes	250,000	250,000	2026	2025			\$25,000.00	\$225,000.00						
C024	Cliché Culvert	Sandy Beach Road	1.5 km W of County Road 26	Laurentian Valley	150	66.9	Major Rehab	Yes	665,000	665,000	2025	2025			\$66,500.00	\$598,500.00						
C170	Hurds Creek Culverts	Wittkie Road	1km S of Foymount Road	Bonnechere Valley	100	58.2	Replacement	Yes	370,000	370,000	2025	2025			\$37,000.00	\$333,000.00						
C242	Hales Creek Culvert	51	0.6 km W of County Road 42	Laurentian Valley	15885	61.9	Concrete patching & erosion control	Yes	150,000	150,000	2025	2025			\$15,000.00	\$135,000.00						
C317	Cobden Lake Cuvert	7	0.3 km N of Hwy 17	Whitewater Region	2824	73.2	Rehab	Yes	100,000	100,000	2025	2025			\$10,000.00	\$90,000.00						
C323	Hoffmans Box Culvert	58	0.4 km W of Borne Rd	Laurentian Valley	2091	56.4	Major Rehab or Replace	Yes	300,000	300,000	2025	2025			\$30,000.00	\$270,000.00						
C330	McLeads Culvert	52	100m S of McLeod Rd on CR 52	McNab/Braeside	724	65.8	Replacement	Yes	200,000	250,000	2032	2025			\$25,000.00	\$225,000.00						
C045	Agnew Culvert (South Fork)	Agnew Road	2 km NE of County Road 9	Admaston/Bromley	80	52.6	Replacement	Yes	340,000	340,000	2027	2026				\$34,000.00	\$306,000.00					
C066	Voldeeks Culvert	Letterkenny Road	8.5 km S of County Road 512	Brudenell, Lyndoch & Raglan	150	61.8	Replacement	Yes	210,000	210,000	2026	2026				\$21,000.00	\$189,000.00					
C093	Bradley West Culvert	64	3 km W of Highway 41	Bonnechere Valley	210	73.5	Replacement	Yes	300,000	300,000	2026	2026				\$30,000.00	\$270,000.00					
C189	Ross Road Triple Cell	Ross Road	1.2 km NE of County Road 11	Laurentian Valley	100	75.0	Replacement	Yes	265,000	265,000	2026	2026				\$26,500.00	\$238,500.00					
C245	Indian Road Culvert	21	0.003 km E of Indian Road	Whitewater Region	1515	59.6	Replacement	Yes	290,000	290,000	2026	2026				\$29,000.00	\$261,000.00					
C265	Peter Black Culvert	24	400m from Stafford 3rd Line	Laurentian Valley	1480	61.8	Replacement	Yes	450,000	450,000	2026	2026				\$45,000.00	\$405,000.00					
C305	Latchford Church Pipes	515	0.62 km E of Lacharty Rd	Brudenell, Lyndoch & Raglan	615	66.7	Replacement	Yes	320,000	320,000	2026	2026				\$32,000.00	\$288,000.00					
C308	Tomisini's Culvert	58	0.3 km W of Red Rock Road	Killaloe, Hagarty & Richards	1425	63.1	Replacement	Yes	240,000	240,000	2026	2026				\$24,000.00	\$216,000.00					
C315	Ross Road Double Cell	Ross Road	0.15 km S of Micksburg Road	Laurentian Valley	100	73.5	Replacement	Yes	180,000	180,000	2026	2026				\$18,000.00	\$162,000.00					

Asset ID	Structure Name	Road	Location	Municipality	AADT	BCI	Description of Work	Pre Design Needed?	Prev Cost	Updated Cost	Prev Plan Year	Updated Plan Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Annual Totals													\$3,441,000.00	\$3,904,500.00	\$2,800,000.00	\$2,678,000.00	\$2,777,000.00	\$2,638,500.00	\$2,851,000.00	\$2,998,500.00	\$4,232,500.00	\$3,776,000.00
C331	Rockingham Creek Box Culvert	62	at Martin Recoskie Rd	Madawaska Valley		70.9	Major Rehab	Yes	200,000	200,000	2026	2026				\$20,000.00	\$180,000.00					
C050	Eady Culvert	Snake River Road	1.5 km E of Highway 17	Admaston/Bromley	150	59.8	Line or Replace	Yes	270,000	270,000	2027	2027					\$27,000.00	\$243,000.00				
C119	Dochart Creek Culvert	1	0.02 km N of Moore Street	McNab/Braeside	4899	75.9	Replacement	Yes	720,000	720,000	2027	2027					\$72,000.00	\$648,000.00				
C125	McGregor Culvert	Lochwinnoch Road	2.3 km S of County Road 1	McNab/Braeside	150	56.4	Replacement	Yes	580,000	580,000	2027	2027					\$58,000.00	\$522,000.00				
C235	Devines Creek Culvert	512	1.8 km N of Brudenell	Brudenell, Lyndoch & Raglan	545	63.3	Replacement	Yes	390,000	390,000	2027	2027					\$39,000.00	\$351,000.00				
C246	Culhane Culvert	Culhane Road	0.5 km W of McNaughton Line East Junction	Admaston/Bromley	78	51.6	Replacement	Yes	450,000	450,000	2027	2027					\$45,000.00	\$405,000.00				
C316	Kenny's Culvert	Stafford Third Line	0.4 km E of Cty Rd 24	Laurentian Valley	400	60.5	Replacement	Yes	205,000	205,000	2027	2027					\$20,500.00	\$184,500.00				
C052	Peever Culvert	McGuinty Road	0.6 km S of Snake River Line	Admaston/Bromley	50	63.6	Replacement w/ road widening	Yes	300,000	300,000	2028	2028						\$30,000.00	\$270,000.00			
C135	Ryan Creek Culvert	Campbell Drive	3.5 km W of Highway 17	McNab/Braeside	300	69.3	Replacement	Yes	370,000	370,000	2028	2028						\$37,000.00	\$333,000.00			
C160	Broomes Creek Culvert	Grant's Settlement Road	1.3 km N of County Road 7	Whitewater Region	500	70.3	Replacement	Yes	1,800,000	1,800,000	2028	2028						\$180,000.00	\$1,620,000.00			
C254	Alan James Culvert	4	0.1 km S of County Road 7	Whitewater Region	811	57.5	Replacement	Yes	380,000	380,000	2028	2028						\$38,000.00	\$342,000.00			
C109	Thompson Hill Culvert	52	0.6 km S of Pucker St	Horton	2350	65.1	Replacement	Yes	580,000	580,000	2029	2029							\$58,000.00	\$522,000.00		
C164	Wilderness Arch	Rafting Road	0.4 km E of Grant Settlement Road	Whitewater Region	600	79.6	Replacement	Yes	460,000	460,000	2029	2029							\$46,000.00	\$414,000.00		
C236	Brennans Creek Culvert	512	1.2 km N of Opeongo Road	Killaloe, Hagarty & Richards	1016	69.1	Replacement	Yes	1,600,000	1,600,000	2029	2029							\$160,000.00	\$1,440,000.00		
C243	Worms Culvert	20	0.5 km N of Highway 17	Horton	810	48.8	Replacement	Yes	220,000	220,000	2029	2029							\$22,000.00	\$198,000.00		
C038	Mink Creek Culvert	8	2.1 km E of Highway 60	Admaston/Bromley	1515	68.3	Replacement	Yes	520,000	520,000	2030	2030								\$52,000.00	\$468,000.00	
C069	Eneas Road Culvert	Eneas Creek Rd	0.2 km S of County Road 515	Brudenell, Lyndoch & Raglan	50	52.0	Replacement	Yes	325,000	325,000	2030	2030								\$32,500.00	\$292,500.00	
C082	Raycroft Culvert	64	7.6 km W of Highway 41	Bonnechere Valley	210	73.2	Replacement	Yes	730,000	730,000	2030	2030								\$73,000.00	\$657,000.00	
C087	Dellaires Culvert	Constant Lake Road	4.5 km W of Scotch Bush Road	Bonnechere Valley	150	53.2	Replacement	Yes	255,000	255,000	2030	2030								\$25,500.00	\$229,500.00	
C146	McPhee Road Culvert	McPhees Bay Road	0.5 km S of County Road 515	Madawaska Valley	50	49.2	Replacement	Yes	180,000	180,000	2030	2030								\$18,000.00	\$162,000.00	
C148	Halfway Creek Culvert	Old Barrys Bay Road	7 km N of County Road 62	Madawaska Valley	400	66.0	Replacement	Yes	450,000	450,000	2030	2030								\$45,000.00	\$405,000.00	
C168	Lake Clear Tri Culverts	Lake Clear Road	1.7 km S of County Road 512	Bonnechere Valley	200	64.5	Replacement	Yes	355,000	355,000	2030	2030								\$35,500.00	\$319,500.00	
C206	Gervais Creek Culvert	49	1.5 km S of Lapasse	Whitewater Region	735	73.5	Replacement	Yes	600,000	600,000	2030	2030								\$60,000.00	\$540,000.00	
C216	Elm Creek Tri Pipes	Waterview Road	1 km SW of Highway 17	Whitewater Region	50	57.0	Replacement	Yes	320,000	320,000	2030	2030								\$32,000.00	\$288,000.00	
C241	Tims Waba Creek Bridge	23	2.3 km S of County Road 2	McNab/Braeside	765	69.3	Replacement	Yes	510,000	510,000	2030	2030								\$51,000.00	\$459,000.00	
C070	Homestead Creek Culvert	Homestead Road	0.5 km S of County Road 515	Brudenell, Lyndoch & Raglan	30	59.2	Replacement	Yes	310,000	310,000	2031	2031									\$31,000.00	\$279,000.00
C083	Sand Road Twin Pipes	Sand Road	0.5 km W of County Road 512	Bonnechere Valley	200	61.7	Replacement	Yes	360,000	360,000	2031	2031									\$36,000.00	\$324,000.00
C225	Black Creek Culvert	30	6.7 km W of HWY 41	North Algona/Wilberforce	1020	70.9	Replacement	Yes	600,000	600,000	2031	2031									\$60,000.00	\$540,000.00
C249	Drive In Theatre Culvert	42	0.2 km E of B-Line Road	Laurentian Valley	2265	73.9	Replacement	Yes	540,000	540,000	2031	2031									\$54,000.00	\$486,000.00
C299	Silver Creek Culverts	Silver Lake Road	1.1 km W of Wolfe Rd	Bonnechere Valley	100	59.5	Replacement	Yes	200,000	200,000	2031	2031									\$20,000.00	\$180,000.00
C307	Turners Creek Culvert	58	1 km W of Jack Chute Rd	Killaloe, Hagarty & Richards	1425	73.0	Replacement	Yes	500,000	500,000	2031	2031									\$50,000.00	\$450,000.00
C309	Gariepy Creek Culvert	58	9 km W of Stencells Road	Laurentian Valley	1050	69.6	Replacement	Yes	500,000	500,000	2031	2031									\$50,000.00	\$450,000.00
C327	Siberia Twin Pipes	69	4.9 km W of Hwy 60 @ Niagara Crescent	Madawaska Valley	1330	73.9	Replacement	Yes	500,000	500,000	2031	2031									\$50,000.00	\$450,000.00
C328	Devine Creek Tri Pipes	512	1.38 N of Junction CR 512 & CR 66	Brudenell, Lyndoch & Raglan	1330	70.8	Replacement	Yes	400,000	400,000	2031	2031									\$40,000.00	\$360,000.00
C332	Chapeskie Culvert	Chapeski Mill Dr	.51 km N from Paugh Lake Rd	Madawaska Valley		62.0	Replacement	Yes	210,000	210,000	2031	2031									\$21,000.00	\$189,000.00
C003	Moores Creek Culvert	5	4.8 km W of Culhane Road	Admaston/Bromley	241	67.3	Rehab?	Yes	50,000	200,000	2021	2032										\$20,000.00
C077	Castleford Culvert	1	4.7 km E of County Road 20	Horton	1010	86.3	Replacement	Yes	480,000	480,000	2032	2032										\$48,000.00

COUNTY OF RENFREW
BY-LAW NUMBER
A BY-LAW TO ACQUIRE LAND
COUNTY ROAD 12 (WESTMEATH ROAD)

WHEREAS under Section 6(1) and Section 8 of the Municipal Act, S.O. 2001, c.25, as amended, a municipality may pass by-laws to acquire land;

AND WHEREAS under Section 5(3) of the Act, the County of Renfrew's capacity, rights, powers and privileges must be exercised by By-law;

AND WHEREAS under Section 31(6) of the Act, if a municipality acquires land for the purpose of widening a highway, the land acquired forms part of the highway to the extent of the designated widening;

AND WHEREAS the County Operations Committee has reviewed and approved the transfer of the land described, for the purpose of road reconstruction.

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

1. That the Corporation of the County of Renfrew acquire the lands located in Part of Lot 20, Concession 6 in the geographic Township of Westmeath in the Township of Whitewater Region, described as Part 1 on Plan 49R-19818 from Andrea Burde for the sum of One Thousand Five Hundred Dollars (\$1,500).
2. That the lands are hereby dedicated as part of the highway namely County Road 12 (Westmeath Road) immediately upon registration of the transfer documents.
3. That this By-law shall come into force and take effect upon the passing thereof.

READ a first time this 29th day of September, 2021.

READ a second time this 29th day of September, 2021.

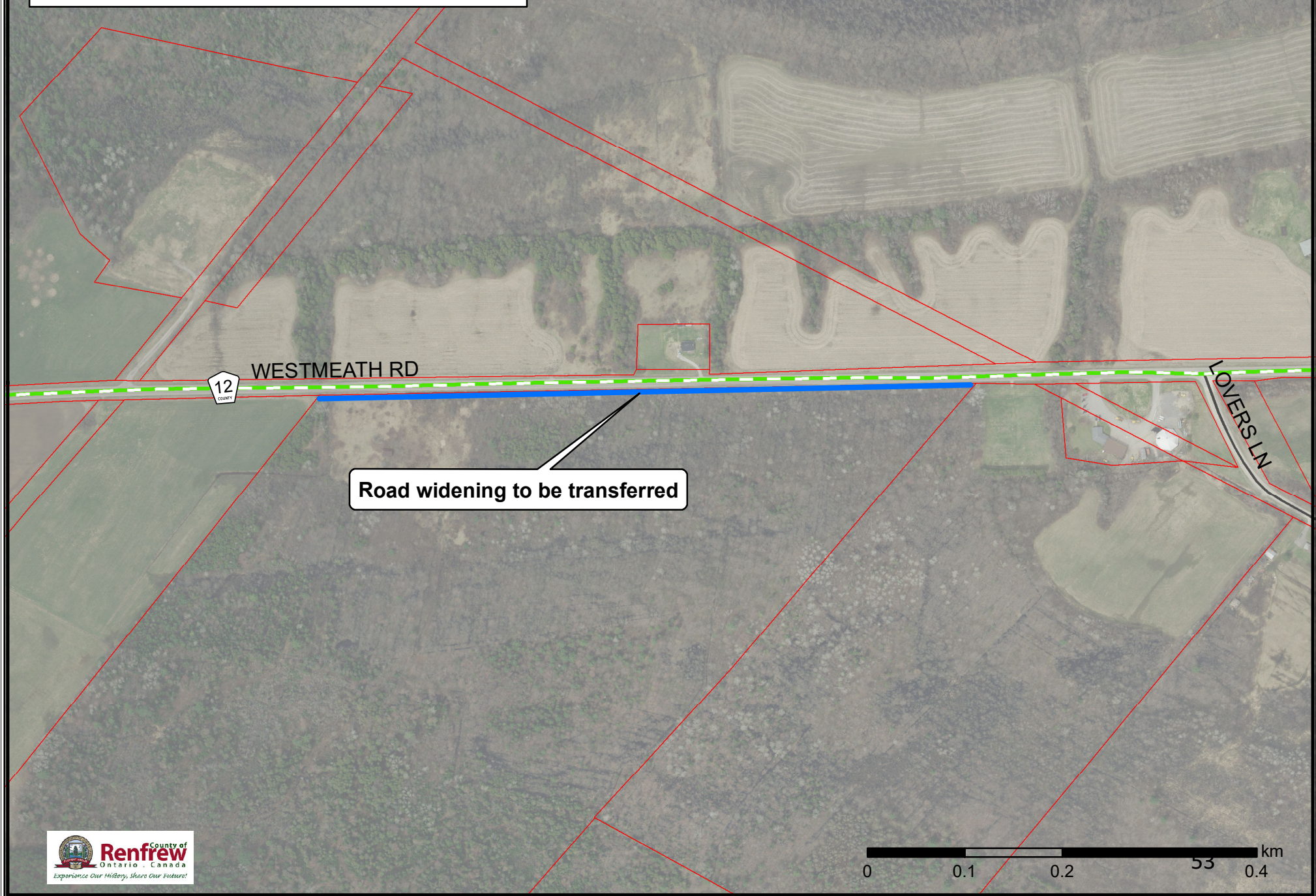
READ a third time and finally passed this 29th day of September, 2021.

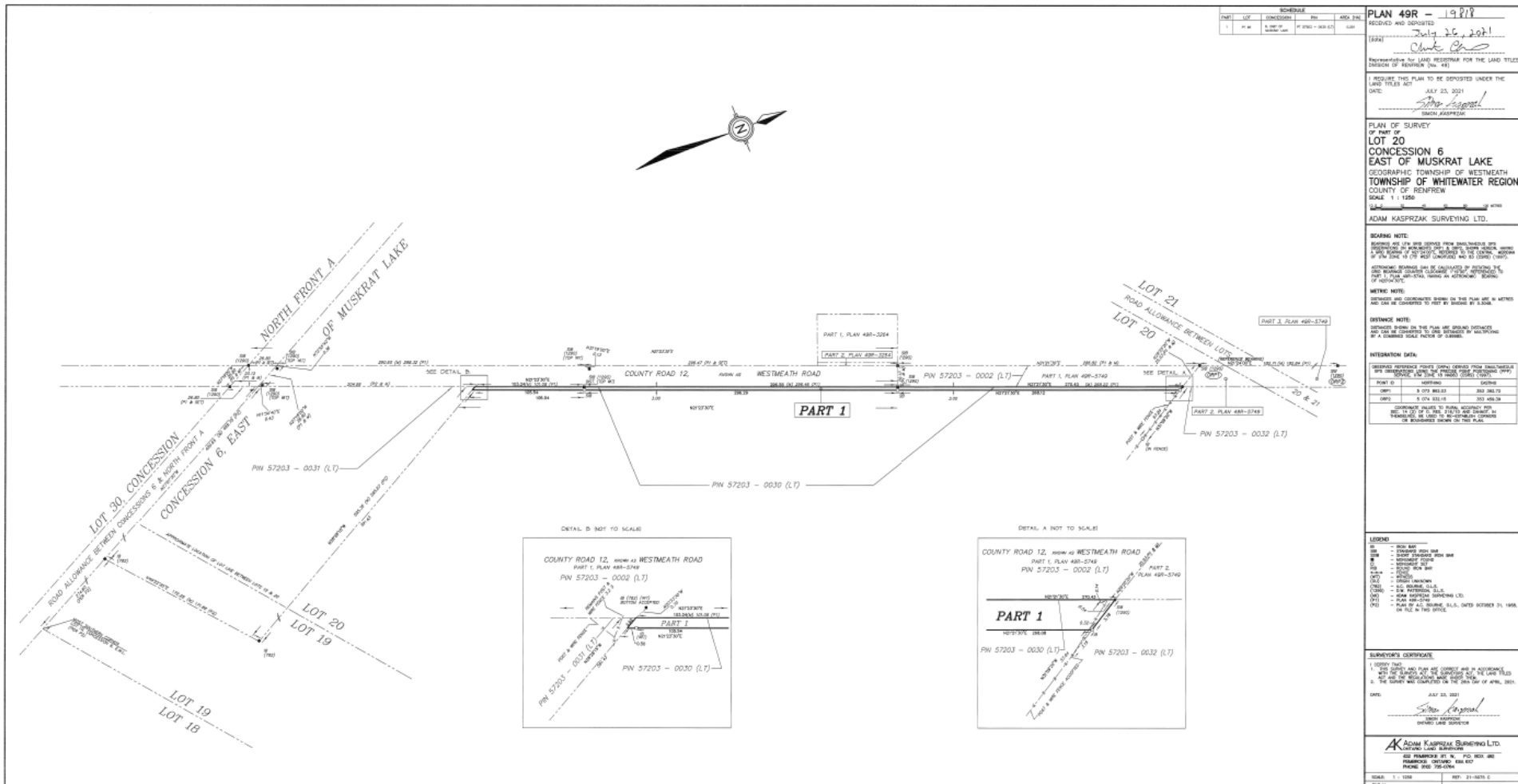
DEBBIE ROBINSON, WARDEN

PAUL V. MOREAU, CLERK

**County Road 12 - Westmeath Road
Lot 20, Concession 6
Geographic Township of Westmeath**

Appendix III





COUNTY OF RENFREW

BY-LAW NUMBER

A BY-LAW TO ACQUIRE LAND COUNTY ROAD 66 (WILNO SOUTH ROAD)

WHEREAS under Section 6(1) and Section 8 of the Municipal Act, S.O. 2001, c.25, as amended, a municipality may pass by-laws to acquire land;

AND WHEREAS under Section 5(3) of the Act, the County of Renfrew's capacity, rights, powers and privileges must be exercised by By-law;

AND WHEREAS under Section 31(6) of the Act, if a municipality acquires land for the purpose of widening a highway, the land acquired forms part of the highway to the extent of the designated widening;

AND WHEREAS the County Operations Committee has reviewed and approved the transfer of the land described, for the purpose of road reconstruction.

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

1. That the Corporation of the County of Renfrew acquire the lands located in Part of Lot 1, Concessions 3 and 4 in the geographic Township of Sherwood in the Township of Madawaska Valley, described as Parts 1, 2, 4, 5, 6, 7, and 8 on Plan 49R-19721 from Michael Murack, Anthony Murack, Catherine Bloskie and the estate of Peter Murack for the sum of Three Thousand, One Hundred Eight Dollars and Fifty Cents (\$3,108.50).
2. That the lands are hereby dedicated as part of the highway namely County Road 66 (Wilno South Road) immediately upon registration of the transfer documents.
3. That this By-law shall come into force and take effect upon the passing thereof.

READ a first time this 29th day of September, 2021.

READ a second time this 29th day of September, 2021.

READ a third time and finally passed this 29th day of September, 2021.

DEBBIE ROBINSON, WARDEN

PAUL V. MOREAU, CLERK

COUNTY OF RENFREW
BY-LAW NUMBER
A BY-LAW TO ACQUIRE LAND
COUNTY ROAD 66 (WILNO SOUTH ROAD)

WHEREAS under Section 6(1) and Section 8 of the Municipal Act, S.O. 2001, c.25, as amended, a municipality may pass by-laws to acquire land;

AND WHEREAS under Section 5(3) of the Act, the County of Renfrew's capacity, rights, powers and privileges must be exercised by By-law;

AND WHEREAS under Section 31(6) of the Act, if a municipality acquires land for the purpose of widening a highway, the land acquired forms part of the highway to the extent of the designated widening;

AND WHEREAS the County Operations Committee has reviewed and approved the transfer of the land described, for the purpose of road reconstruction.

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

1. That the Corporation of the County of Renfrew acquire the lands located in Part of Lot 1, Concession 4 in the geographic Township of Sherwood in the Township of Madawaska Valley, described as Part 3 on Plan 49R-19721 from Michael and Catherine Bloskie for the sum of Five Hundred Dollars (\$500).
2. That the lands are hereby dedicated as part of the highway namely County Road 66 (Wilno South Road) immediately upon registration of the transfer documents.
3. That this By-law shall come into force and take effect upon the passing thereof.

READ a first time this 29th day of September, 2021.

READ a second time this 29th day of September, 2021.

READ a third time and finally passed this 29th day of September, 2021.

DEBBIE ROBINSON, WARDEN

PAUL V. MOREAU, CLERK

County Road 66 - Wilno South Road
Lot 1, Concessions 3 & 4
Geographic Township of Sherwood



Appendix IN-V

MOUNTAIN VIEW RD

WILNO SOUTH RD

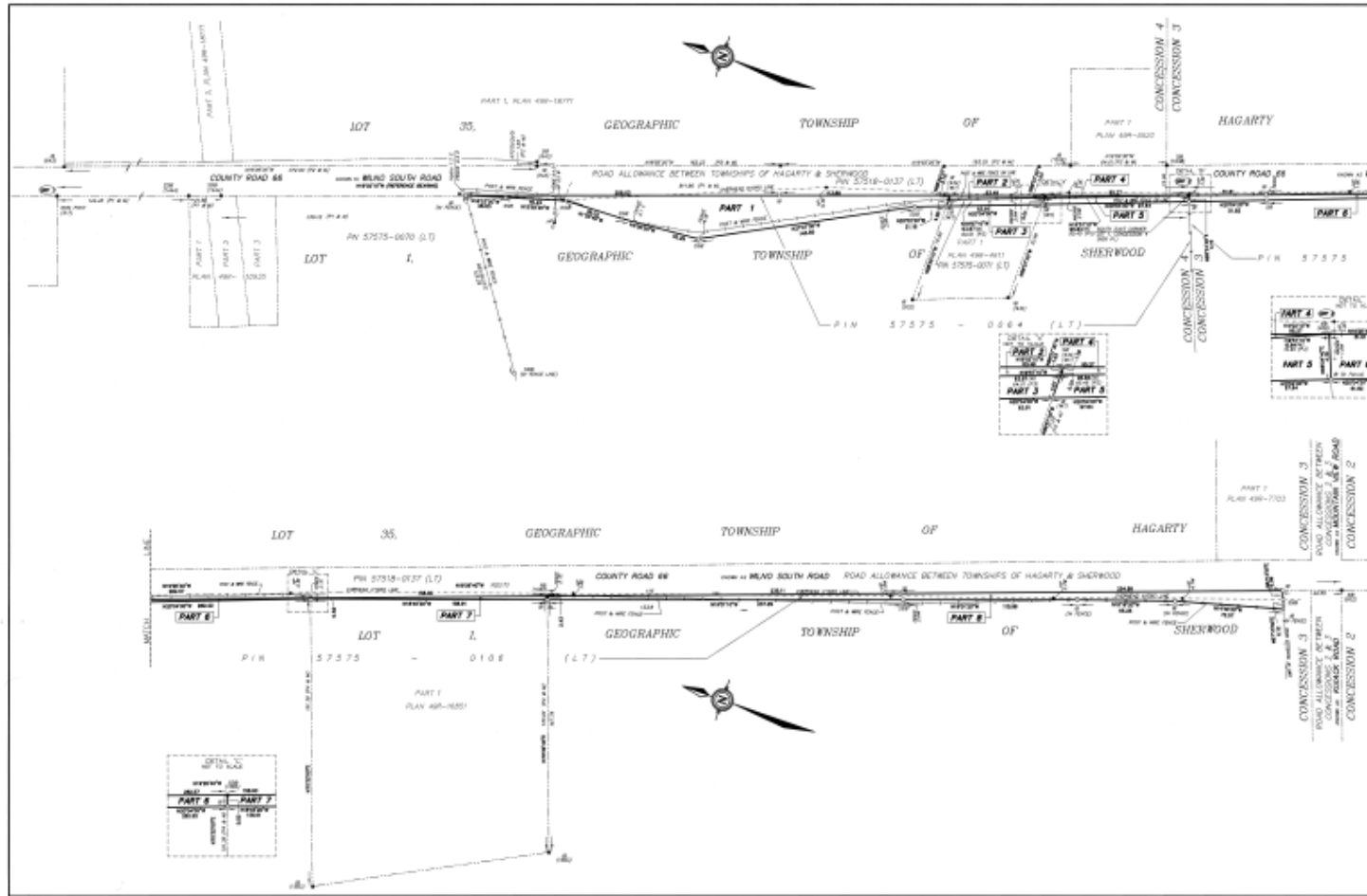
66

Part 3

Road widening to be transferred

Road widening to be transferred

KUIACK RD

[illegible]

COUNTY OF RENFREW

BY-LAW NUMBER

**A BY-LAW TO DESIGNATE A PORTION OF
COUNTY ROAD 8 (MAIN STREET) AS A PEDESTRIAN CROSSOVER**

WHEREAS the Highway Traffic Act defines a Pedestrian Crossover as “any portion of a roadway at an intersection or elsewhere distinctly indicated for pedestrian crossing by signs or by lines or other markings on the surface;

AND WHEREAS it is deemed expedient to designate certain portions of roadways as pedestrian crossovers;

AND WHEREAS the Township of Whitewater Region has requested the installation of a Pedestrian Crossover in accordance with the Highway Traffic Act and County of Renfrew Corporate Policy No. PW-14 – Pedestrian Crossings on County Roads as may be amended periodically;

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

1. That the portion of Main Street (County Road 8) at Crawford Street be designated as a Pedestrian Crossover.
2. That this By-law shall come into force and take effect upon the completion of the construction of the Pedestrian Crossover facility, including all required signage and line painting.

READ a first time this 29th day of September, 2021.

READ a second time this 29th day of September, 2021.

READ a third time and finally passed this 29th day of September, 2021.

DEBBIE ROBINSON, WARDEN

PAUL V. MOREAU, CLERK

COUNTY OF RENFREW

BY-LAW NUMBER

**A BY-LAW TO DESIGNATE A PORTION OF
COUNTY ROAD 12 (WESTMEATH ROAD) AS A PEDESTRIAN CROSSOVER**

WHEREAS the Highway Traffic Act defines a Pedestrian Crossover as “any portion of a roadway at an intersection or elsewhere distinctly indicated for pedestrian crossing by signs or by lines or other markings on the surface;

AND WHEREAS it is deemed expedient to designate certain portions of roadways as pedestrian crossovers;

AND WHEREAS the Township of Whitewater Region has requested the installation of a Pedestrian Crossover in accordance with the Highway Traffic Act and County of Renfrew Corporate Policy No. PW-14 (Pedestrian Crossings on County Roads) as may be amended periodically;

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

1. That the portion of Westmeath Road (County Road 12) at Grace Street be designated as a Pedestrian Crossover.
2. That this By-law shall come into force and take effect upon the completion of the construction of the Pedestrian Crossover facility, including all required signage and line painting.

READ a first time this 29th day of September, 2021.

READ a second time this 29th day of September, 2021.

READ a third time and finally passed this 29th day of September, 2021.

DEBBIE ROBINSON, WARDEN

PAUL V. MOREAU, CLERK

COUNTY OF RENFREW

BY-LAW NUMBER

**A BY-LAW TO DESIGNATE A PORTION OF
COUNTY ROAD 21 (BEACHBURG ROAD) AS A PEDESTRIAN CROSSOVER**

WHEREAS the Highway Traffic Act defines a Pedestrian Crossover as “any portion of a roadway at an intersection or elsewhere distinctly indicated for pedestrian crossing by signs or by lines or other markings on the surface;

AND WHEREAS it is deemed expedient to designate certain portions of roadways as pedestrian crossovers;

AND WHEREAS the Township of Whitewater Region has requested the installation of a Pedestrian Crossover in accordance with the Highway Traffic Act and County of Renfrew Corporate Policy No. PW-14 (Pedestrian Crossings on County Roads) as may be amended periodically;

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

1. That the portion of Beachburg Road (County Road 21) at Cameron Street be designated as a Pedestrian Crossover.
2. That this By-law shall come into force and take effect upon the completion of the construction of the Pedestrian Crossover facility, including all required signage and line painting.

READ a first time this 29th day of September, 2021.

READ a second time this 29th day of September, 2021.

READ a third time and finally passed this 29th day of September, 2021.

DEBBIE ROBINSON, WARDEN

PAUL V. MOREAU, CLERK



April 15, 2019

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

Attention: Mr. Lee Perkins, Director of Public Works & Engineering

Re: **Pedestrian Crossings**

Dear Sir,

In accordance with County of Renfrew Policy # PW-14, the Township of Whitewater Region respectfully requests Pedestrian Crossings be installed at the following locations:

- (1) Intersection of Cameron Street and Beachburg Road (County Road 21)
- (2) Intersection of Cowley Street and Main Street (County Road 8)
- (3) Intersection of Grace Street and Westmeath Road (County Road 12).

The locations will not only support pedestrian movement but improved safe crossing for the following local elementary schools as well:

- Beachburg Public School, 20 Cameron Street, Beachburg, ON KOJ 1C0
- Cobden District Public School, 16 Cowley Street, Cobden, ON KOJ 1K0
- Our Lady of Grace Catholic School, 52 Grace Street, Westmeath, ON KOJ 2L0

In accordance with the County of Renfrew's policy, a certified true copy of the resolution passed by Whitewater Council is attached.

If there are any further questions or concerns regarding this matter, please do not hesitate to contact the undersigned at (613) 646-2282.

Respectfully,

Janet Collins, Director of Public Works
jcollins@whitewaterregion.ca

WHITEWATER REGION

Council Members County of Renfrew
9 International Drive
Pembroke, on K8A 6W5

Mayor Michael Moore
Reeve Cathy Regier

Councillors:
Charlene Jackson
Dave Mackay
Daryl McLaughlin
Neil Nicholson
Chris Olmstead

Re: Resolution - Pedestrian Crossing Request

Dear County Council,

At its meeting of January 16, 2019, the Council of the Township of
Whitewater Region adopted the following resolution:

Moved by Councillor Neil Nicholson, seconded by Councillor Dave
Mackay

**That Council of the Township of Whitewater Region request
the County of Renfrew consider the installation of
Pedestrian Crossings at the following locations:**

- a. Intersection of Cameron Street and Beachburg Road
(County Road 21)**
- b. Intersection of Crawford Street and Main Street (County
Road 8), and**
- c. Intersection of Grace Street and Westmeath Road
(County Road 12).**

(613) 646-2282

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

whitewaterregion.ca

Sincerely,

Carmen Miller
Clerk

Carried - Resolution #2019-3919

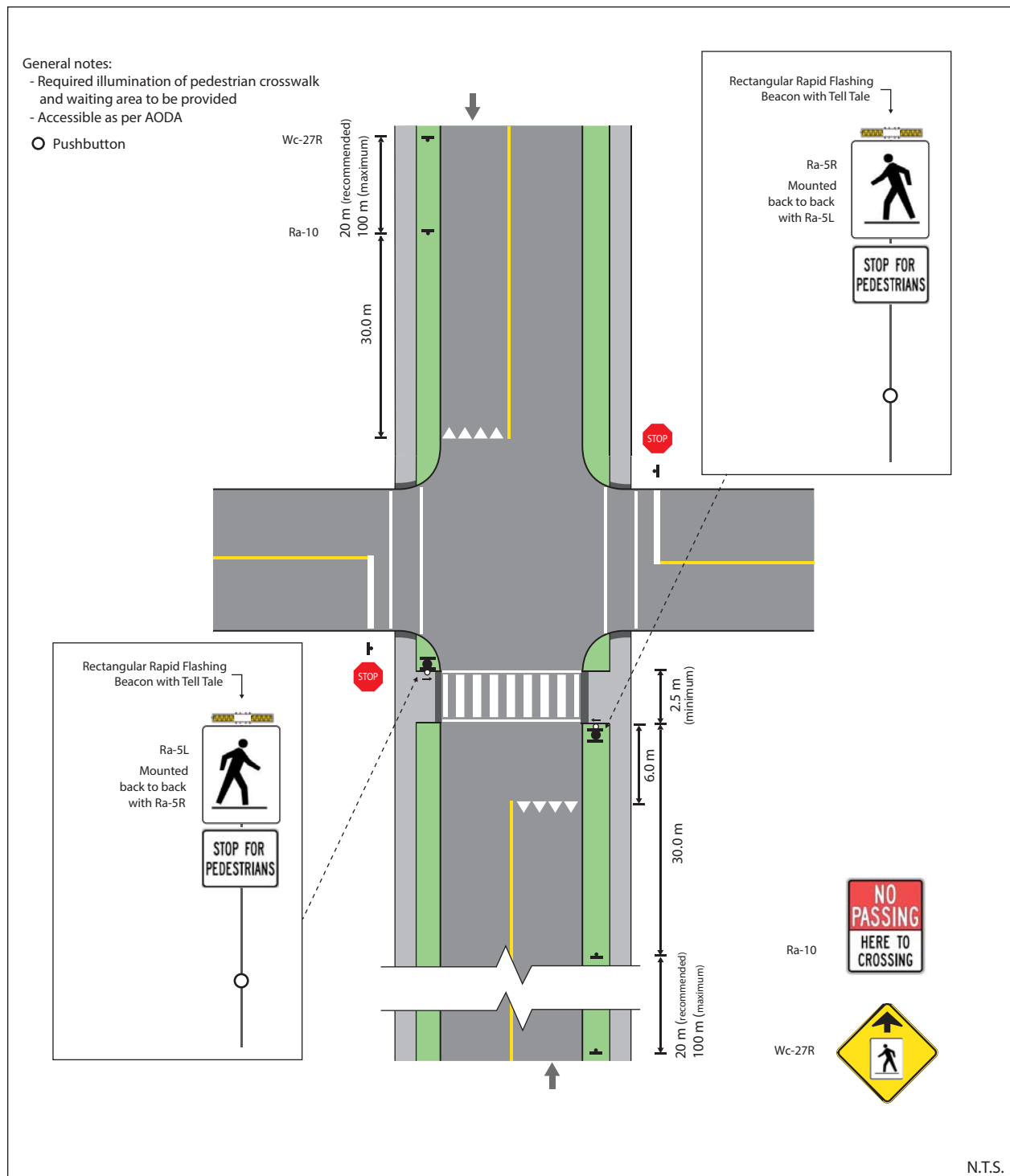
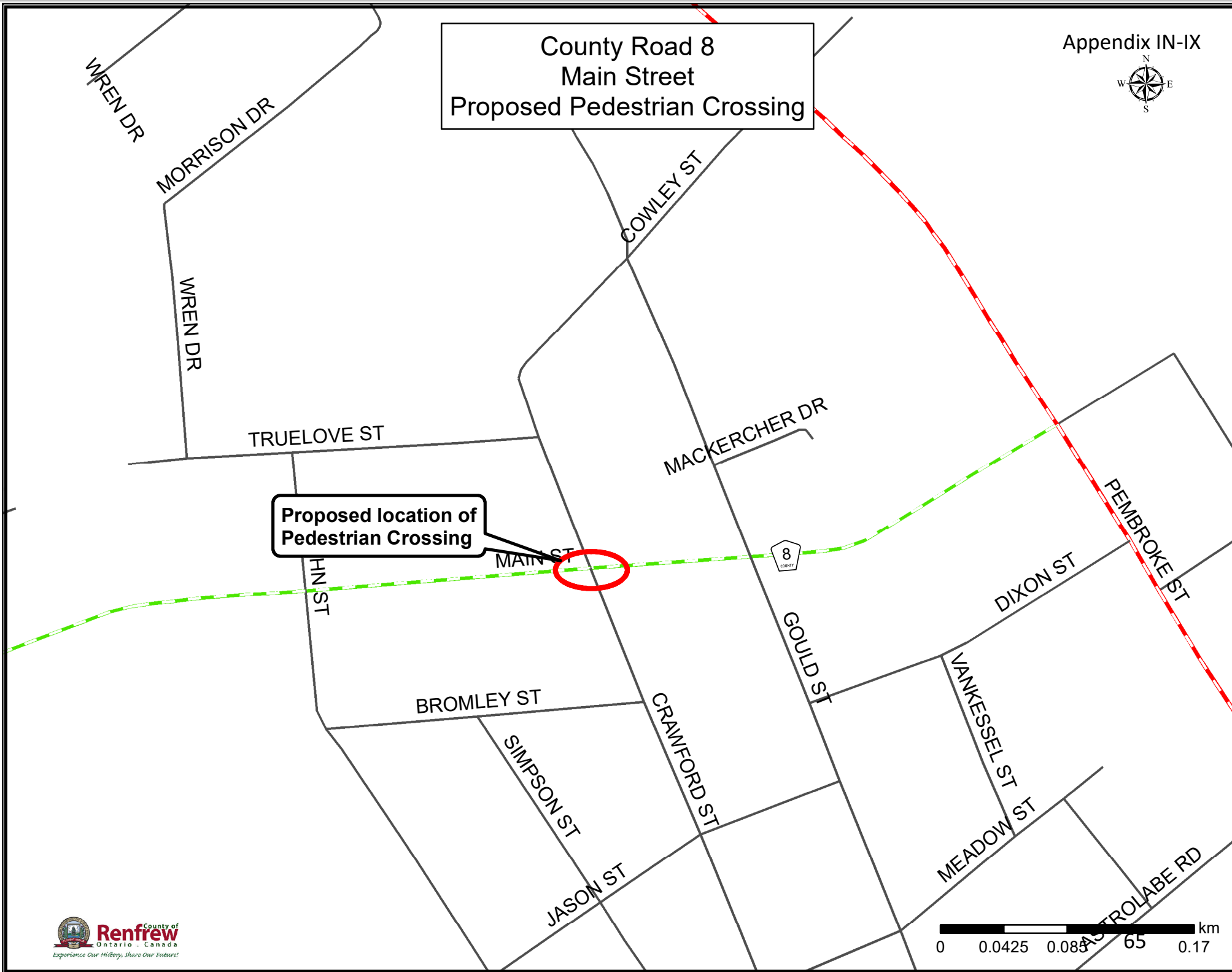


Figure 36: Pedestrian Crossover Level 2 Type C – Intersection (2-way)

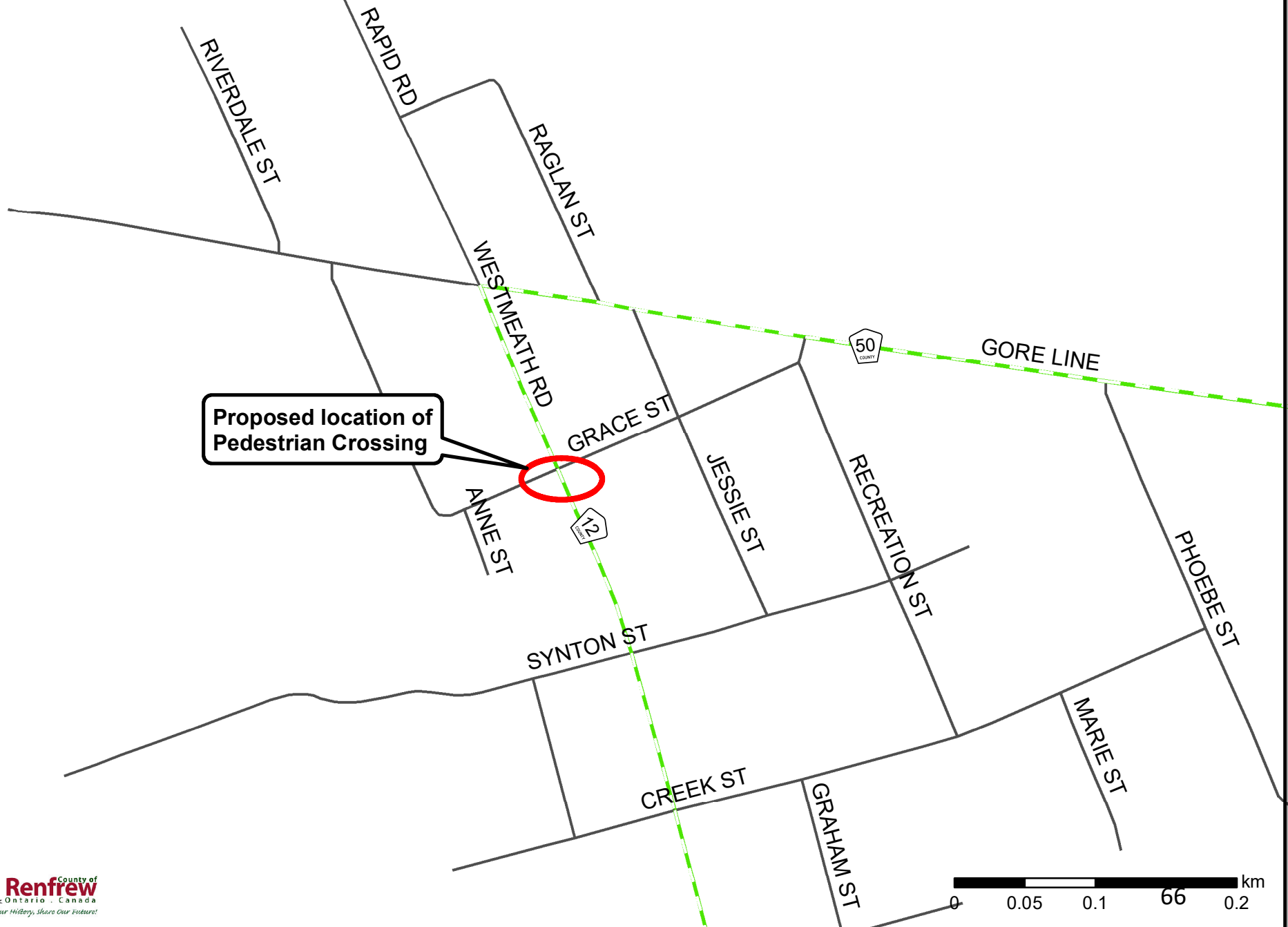


County Road 8
Main Street
Proposed Pedestrian Crossing

Proposed location of
Pedestrian Crossing

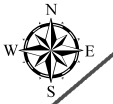


County Road 12
Westmeath Road
Proposed Pedestrian Crossing



Proposed location of
Pedestrian Crossing

County Road 21
Beachburg Road
Proposed Pedestrian Crossing



HANNAH ST
STEWART ST

CAROLINE ST

BEACHBURG RD

HUME ST

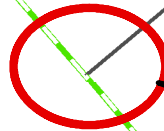
CAMERON ST

MALCOLM ST

EARL ST

VERA CRES

CARDEL ST



Proposed location of
Pedestrian Crossing

ANDERSON DR

MORRIS ST

LITTLE ST

ELLIOTT ST

BEACHBURG RD

OPERATIONS DIVISION REPORT

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

Prepared for: Operations Committee

September 14, 2021

INFORMATION

1. Roadside Mowing [Strategic Plan Goal No. 3]

The roadside mowing program is well underway with most roadways having been cut once. Additional roadside mowing is continuing at those locations where there is a greater need to improve visibility.

2. Winter Operations – Winter Sand [Strategic Plan Goal No.3]

The supply, delivery and stockpiling of winter sand at the various patrol locations is anticipated to be completed by October 1, 2021.

3. Quotations and Tenders [Strategic Plan Goal No. 3]

A summary of tenders and quotations received in the month of August 2021 that have been awarded under the authority of the Director of Public Works and Engineering or the Chief Administrative Officer is attached as Appendix OP-I. In all cases the procurements have followed the processes set out in Corporate Policy GA-01 Procurement of Goods and Services.

4. Disposal of Surplus Items [Strategic Plan Goal No. 3]

At the time of the writing of this report, the Operations Division prepared a list of disposals for the current inventory of surplus assets. The list is circulating thorough local municipalities within the County of Renfrew prior to proceeding to public auction.

5. Shouldering Program

The shouldering program is progressing well with works in all participating patrols anticipated to be completed by October 1, 2021.

6. Small Culvert Program

The small culvert inventory and inspection program is progressing well with staff performing this work. It is anticipated that the updates for 2021 will be completed by the end of October.

Summary of Quotations/Tenders

PWO-2021-09 – Concrete Curb Replacement

1. Neptune Security Services Inc., Mississauga ON	\$31,853.82
2. Greenwood Paving (Pembroke) Limited, Pembroke ON	\$77,195.50
3. 1956466 o/u SWK Contracting, Pembroke ON	\$84,350.00

PWO-2021-10 – Supply and Delivery Winter Sand – Cobden Patrol

1. Barr's Sand and Gravel, Douglas ON	\$6,637.50
2. Eastway Contracting Inc., Pembroke ON	\$8,190.00
3. B.R. Fulton Construction Ltd., Renfrew ON	\$12,000.00
4. G.P. Splinter Forest Products, Pembroke ON	\$12,075.00
5. R.G.T. Clouthier Construction Ltd., Pembroke ON	\$12,555.00
6. Town and Country Forming, Renfrew ON	\$13,540.00

PWO-2021-12 – Supply and Delivery Winter Sand – Southwest Patrol

1. R.G.T. Clouthier Construction Ltd., Pembroke ON	\$32,344.00
2. G.P. Splinter Forest Products, Pembroke ON	\$34,060.00
3. W.W. Siegel Sand and Gravel Limited, Pembroke ON	\$45,110.00
4. Eastway Contracting Inc., Pembroke ON	\$49,322.00

PWO-2021-13 – Supply and Delivery Winter Sand – White Water Road Patrol

1. Eastway Contracting Inc., Pembroke ON	\$8,170.00
2. R.G.T. Clouthier Construction Ltd., Pembroke ON	\$9,940.00
3. W.W. Siegel Sand and Gravel Limited, Pembroke ON	\$11,870.00
4. G.P. Splinter Forest Products, Pembroke ON	\$13,100.00
5. Town and Country Forming, Renfrew ON	\$17,790.00

PWO-2021-16 – Supply and Delivery of Calcium Chloride

1. Morris Chemical, A Division of Da-Lee Dust Control Limited, Stoney Creek, ON	\$30,680.00
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PWO-2021-29 – Crack Sealing

1. Roadlast Asphalt and Sealing Maintenance Inc., Kemptville ON	\$29,000.00
2. Greenwood Paving (Pembroke) Limited, Pembroke ON	\$31,000.00
3. Neptune Security Services Inc., Mississauga ON	\$60,000.00
4. Upper Canada Road Services Inc., Markham ON	\$110,000.00

All above amounts exclude applicable taxes.