

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: February 11, 2020

SUBJECT: Departmental Report

INFORMATION

1. Investing in Canada Infrastructure Program: Green Stream Funding

Attached, as Appendix I is the application confirmation for Investing in Canada Infrastructure Program: Green Infrastructure Stream. The County of Renfrew has applied for a culvert replacement, County Structure C250 (Pleasant Valley Culvert) located on Pleasant Valley Road, in the community of Beachburg. The estimated cost for replacement is \$450,000. The maximum allowable funding for this project under the current grant application is \$386,000. If the funding request is approved staff will be requesting the additional funding to be moved forward within the ten (10) year Capital Plan.

2. Monthly Project Status Report

Attached as Appendix II is the Monthly Project Status Report for the information of the Committee. As the 2020 program is just commencing, some of the timelines are preliminary in nature and will be revised as the various contracts move forward. Additional project information is provided within the Divisional reports.

3. Staffing

(a) Infrastructure Manager

As this Committee is aware, Michael Behm has been appointed the Acting Manager of Infrastructure on an interim basis since September

2018. Staff has commenced the recruitment process for a Manager of Infrastructure.

(b) Summer Students Labourers – Patrols

Recruiting is underway for the Summer Student Labourers in the Patrols. One student is hired in each patrol with employment expected to commence approximately April 27, 2020. These students will be returning to school in September of this year.

(c) Summer Students Junior Engineering Technicians

Recruiting is underway for three Summer Student Junior Engineering Technicians. Employment is expected to commence approximately April 27, 2020. These students will be returning to school in September of this year.

4. **AORS Trade Show**

The annual Municipal Public Works Trade Show hosted by the Association of Ontario Road Supervisors (AORS) is being held on June 3 and 4, 2020 at the Sadler Centre, (formerly Molson Centre), Barrie, Ontario. The trade show provides an opportunity for public and private sector public works employees to share information and technical developments in the materials, services and equipment required to build and maintain municipal roads and other core infrastructure. Additional information may be found on the AORS website at: [AORS Trade Show](#). Staff and elected officials are welcome to attend. The local Renfrew County Road Supervisors Association is considering arranging bus transportation to and from the trade show if sufficient interest exists within the local membership.

5. **County Structure B203 (Petawawa River Bridge) Update**

The rehabilitation of the north embankment of the Petawawa River of County Structure B203 (Petawawa River Bridge) is substantially complete with the riverbank stabilized. Staff will return in spring for general clean up activities.

6. **County Road 51 Expansion**

Attached as Appendix III is an excerpt from AECOM Petawawa Transportation Study, transportation and design study. Attached as Appendix IV is the power point presentation of the chronological events for seeking funding for the expansion of County Road 51. To date, the County of Renfrew has been unsuccessful in securing funding from other levels of

government. Staff is now seeking direction from Committee as to how to proceed with this important project.

RESOLUTIONS

7. County Road 20 (Bruce Street), Town of Renfrew, Road Improvements

Recommendation: THAT the Operations Committee recommend that County Council support County Road 20 (Bruce Street), Town of Renfrew road improvement project in the amount of approximately \$50,000.

Background

A meeting was held with the Mr. Mike Asselin, Director of Planning and Works with the Town of Renfrew on January 20, 2020. The Town of Renfrew plans to apply for Connecting Links funding for the improvement of the intersection of Bruce Street (County Road 20) and Stewart Street (Highway 60). This funding, if approved will cover 90% of the entire project cost. The Town of Renfrew is seeking support from the County of Renfrew for the project. It is estimated that the County's contribution to this project would be approximately \$50,000. Attached as Appendix V are the planned works for the intersection.

8. PW-02 Bridge Design and Construction Policy Review

Recommendation: THAT Staff seek direction from the Operations Committee for changes and updates to be brought forward to the March Committee meeting.

Background

As Committee will recall, at the November 12, 2019 meeting, staff was directed to bring forward the current bridge policy for Committee's review and discussion. Attached, as Appendix VI is Policy PW-02 Bridge Design and Construction for Committee's information.

9. 2020 Operations Committee Meetings

Recommendation: THAT the Operations Committee approves that the upcoming Committee meetings for June 9, 2020 and August 11, 2020 be held in the Township of McNab/Braeside and the Township of Laurentian Valley respectively.

Background

The construction for the renovations at the County Administration Building to relocate current staff and to bring in all of the Provincial Offences Administration and Social Services Department staff (Ontario Works, Child Care and Renfrew County Housing Corporation) will commence in June of

this year. During the month of June and August, access to the County of Renfrew Council Chamber will be very difficult.

In concert with the Development and Property Committee, staff is recommending that our June and August Operations Committee meetings take place in the Township of McNab/Braeside and the Township of Laurentian Valley respectively.

10. User Fees By-Law Revisions

Recommendation: THAT the Operations Committee approves the proposed changes to the Public Works and Engineering User Fees; AND FURTHER THAT these changes be forwarded to the Finance and Administration Committee for consideration and recommendation to County Council for approval of the amendments to the County of Renfrew User Fee By-Law.

Background

Each year, the department is required to review the fee structure for items which require payments to the Public Works and Engineering Department and propose changes where appropriate. The current items have been reviewed and do not require an increase as some of the fees were updated in 2018. In reviewing the current fee structure, staff has determined that an item is required to recover costs for damage to County property, this includes cost recovery to damaged property due to motor vehicle accidents, which would include, labour costs and equipment costs. Staff is proposing that an item be included in the current user fees and charges to recover costs due to damages to County property.

Service	Current Fee	Proposed Fee	Last Fee Update
Entrance Permits	\$150.00	No Change	2018
Special Vehicle Permit	N/A	N/A	N/A
Daily	\$75.00	No Change	2018
3 Month	\$125.00	No Change	2018
Annual	\$250.00	No Change	2018
Tourism Signs	N/A	N/A	N/A
30cm x 120cm - 5 year	\$300.00	No Change	2018
60cm x 240cm - 5 year	\$425.00	No Change	2018
Field Advertising Sign - resort area	\$200.00	No Change	Prior to 2005

Field Advertising Sign - other area	\$150.00	No Change	Prior to 2005
Cost Recovery for damage to County property	New	Per incident	Per incident

The table below indicates the service requiring a fee, the current fee charged, the proposed fee for 2020, and the last date known for which the fee was updated:

BY-LAWS

11. 2020 Speed Limit By-law Update

Recommendation: THAT the Operations Committee recommend to County Council that the changes to the Speed Limit By-law be approved; AND THAT a By-law to Authorize Speed limits on County Roads be passed at the next session of County Council.

Background

Periodically the Department undertakes a major review of the speed limits throughout the County Road network to determine whether changes are required as a result of development or other issues that would generate a change in the posted speed limits. The review also serves as a consolidation of any changes that may have occurred since the last major update. The last review and by-law update was completed in August of 2018. As a result of several requests for speed limit changes from the public and local municipalities over the past year, the Public Works and Engineering Department circulated a request for comments on a further update in October of 2019. As part of the review and update the local municipalities and local policing agencies are consulted to determine the location and nature of any changes that they may wish to see included in the update. The following table provides a summary of the responses received as well as a comment regarding any requested changes:

Speed Limit Bylaw Responses

<u>Municipality/Agency</u>	<u>Response/Request</u>
Admaston/Bromley	No response
Arnprior	No response
Bonnechere Valley	No response
Brudenell, Lyndoch and Raglan	No response

<u>Municipality/Agency</u>	<u>Response/Request</u>
Deep River	No changes requested
Greater Madawaska	<ul style="list-style-type: none"> • County Road 65 (Centennial Lake Road) – reduce speed limit to 60km/hr between County Road 71 (Matawatchan Road) and 3.7km easterly. • County Road 71 (Matwatchan Road) – reduce speed limit to 60km/hr between Highway 41 and 2.5km easterly. • County Road 511 (Lanark Road) – reduce speed limit to 40km/hr between County Road 508 (Calabogie Road) and 1.6km southerly.
Head, Clara and Maria	No County Roads in HCM Twp. No changes requested
Horton	No response
Killaloe, Hagarty and Richards	<ul style="list-style-type: none"> • County Road 66 (Wilno South Road) – extend 60km/hr speed limit from 750m south of Highway 60 to 1.35km south of Highway 60.
Laurentian Hills	No changes requested.
Laurentian Valley	<ul style="list-style-type: none"> • County Road 13 (Mountain Road) – reduce speed limit to 60km/hr in the area of the Micksburg Road intersection.
Madawaska Valley	No response
McNab/Braeside	No response
North Algona Wilberforce	No response
Petawawa	No response
Renfrew	No response
Whitewater Region	No response
OPP - Killaloe	No response
OPP - Renfrew	No response
OPP – Upper Valley	No changes requested
Deep River Police	No changes requested

Copies of correspondence from the Township of Laurentian Valley, Township of Greater Madawaska, and the Township of Killaloe, Hagarty and Richards are attached in Appendix VII.

In reviewing the various requests, staff offers the following comments:

Township of Greater Madawaska

- County Road 65 (Centennial Lake Road) – The Township of Greater Madawaska has requested that the posted speed limit between Matawatchan Road (County Road 71) and 3.7km easterly be reduced to 60km/hr from 80km/hr. A review of the most recent operating speed study along this section of road indicates that the 85th percentile speed is 71km/hr. The 85th percentile speed represents the speed for which 85 percent of vehicles are travelling at or under and is widely used as an industry standard for the appropriate speed of a roadway. Utilizing Transportation Association of Canada (TAC) guidelines and warrants forms, staff has determined that the roadway meets the warrants for a 60km/hr posted speed limit. The roadway has several deficient horizontal curves, narrow lanes and hazards within the clear zone including rock cuts in very close proximity to the travelled lanes. Staff recommends reducing the posted speed limit from 80km/hr to 60km/hr between Matawatchan Road and 3.7km easterly.
- County Road 71 (Matawatchan Road) – The Township of Greater Madawaska has requested that the posted speed limit between Highway 41 and 2.5km easterly be reduced to 60km/hr from 80km/hr. Utilizing TAC guidelines and warrants forms, staff has determined that the roadway does warrant a reduction in the posted speed limit to 60km/hr. The warrant is mainly met due to the classification of the roadway as a Collector Road, with one undivided lane in each direction. Staff recommends reducing the posted speed limit from 80km/hr to 60km/hr between Highway 41 and 2.5km easterly.
- County Road 511 (Lanark Road) – The Township of Greater Madawaska has requested that the posted speed limit between Calabogie Road (County Road 508) and 1.6km southerly be reduced to 40km/hr from 50km/hr. Utilizing TAC guidelines and warrants forms, staff has determined that that this section of roadway does not meet the warrants for a reduction to 40km/hr. Staff recommends maintaining the existing posted speed limit of 50km/hr.

Township of Laurentian Valley

- County Road 13 (Mountain Road) – The Township of Laurentian Valley has requested that the speed limit be reduced from 80km/hr to

60km/hr in the vicinity of the Micksburg Road intersection. The basis of the request for this location seems to be that the approach to the existing stop sign is on a down gradient. In the fall of 2019, Public Works staff replaced the existing “stop ahead” and “stop” signs with oversized signage and furthermore relocated the signage to comply with Ontario Traffic Manual recommendations. Staff will also be considering the implantation of progressive stop bars and flashing beacons to create better visibility for the intersection. As traffic is required to reduce speed approaching the intersection, we are not recommending a reduction in the posted speed limit.

Township of Killaloe, Hagarty and Richards

- County Road 66 (Wilno South Road) – The Township of Killaloe, Hagarty and Richards has requested an extension of the 60km/hr posted speed limit from 750 metres south of Highway 60 to 1.35km south of Highway 60. Utilizing TAC guidelines and warrants forms, staff has determined that the roadway does warrant a reduction in the posted speed limit to 60km/hr. The warrant is mainly met due to the classification of the roadway as a Collector Road, with one undivided lane in each direction. Staff recommends extending the posted speed limit of 60km/hr to 1.35km south of Highway 60.

Maps identifying the various locations indicated above are provided in Appendix VIII. Attached, as Appendix IX is a draft by-law which indicates in bold and strikeout the proposed changes to the speed limit by-law.

12. Infrastructure Division

Attached as Appendix X to this report is the Infrastructure Division Report, prepared by Mr. Michael Behm, Acting Manager of the Infrastructure Division, providing an update on activities.

13. Operations Division

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

INFRASTRUCTURE DIVISION REPORT

Prepared by: Michael Behm, C.Tech., Acting Manager of Infrastructure

Prepared for: Operations Committee

February 11, 2020

INFORMATION

1. Critical Structure Review

It was requested at the November 2019 Operations Committee meeting that staff prepare a list of the County's critical structures. Attached as Appendix IN-I is a list of the critical structures for Committee's information.

BY-LAWS

2. County Road 517 (Dafoe Road) Road Widening

Recommendation: THAT the Operations Committee recommend to County Council that a by-law be passed to acquire Part 1 on Plan 49R-19374 and Part 11 on Plan 49R-19486 from Robert Edward Gray and Linda Margaret Deluca in the amount of \$1,137.04; AND THAT Part 1 on Plan 49R-19374 and Part 11 on Plan 49R-19486 be dedicated as part of the public highway upon registration of the transfer documents.

Background

In the spring of 2019, an application was submitted for a severance of property along a portion of County Road 517 (Dafoe Road) within part of Lot 1, Concession 1, in the Geographic Township of Radcliffe in the Township of Madawaska Valley. As a condition of the approval, the County is to acquire a parcel of road widening land in accordance with County Policy PW-12, Right-of-Way Protection and Acquisition.

The property to be transferred to the County is identified as Part 1 on Plan 49R-19374. A review of the most recent land transfers to the County within the area has determined the value of the land to be \$1,137.04 for the 0.488 acres to be acquired. A copy of a map showing the applicants' lands and a copy of Plan 49R-19374 is attached as Appendix IN-II and Appendix IN-III respectively.

In addition, the applicants are required to transfer a one foot square parcel of land to the County for the purpose of consolidating the subject properties. The land to be transferred is identified as Part 11 on Plan 49R-19486 and is to be transferred at no cost to the County of Renfrew. A copy of Plan 49R-19486 is attached as Appendix IN-IV.

3. **County Road 28 (Barron Canyon Road) - Road Access Agreement – Colleen Hawkins Part of Lot 7, Concession 16, Geographic Township of Alice, Township of Laurentian Valley**

Recommendation: THAT the Road Access Agreement between Colleen Hawkins and the County of Renfrew be approved; AND THAT the Operations Committee recommend to County Council that a By-law to Authorize Execution of the Road Access Agreement be passed.

Background

Colleen Hawkins is the owner of property adjacent to County Road 28 (Barron Canyon Road) in the Township of Laurentian Valley. In July of 2018, the applicants applied for the severance of three new lots. Two of the new lots have been granted on the condition that the applicant enters into an agreement with the County regarding access to County Road 28 due to restrictions in entrance spacing. The new lots are described as Part of Lot 7, Concession 16, in the Geographic Township of Alice, shown as Parts 1-4 on Registered Plan 49R-19405.

The new lots could not meet the County's requirements for entrance spacing. It is therefore necessary to have a road access agreement identifying the entrance for the lots described above and shown on the attached Plan 49R-19405 – Appendix IN-V. A map showing the Hawkins property is attached to this report as Appendix IN-VI. The road access agreement is to be registered and run with the title to the lands so that future owners are aware of the road access agreement. A copy of the agreement is attached to the required by-law.

4. **County Road 63 (Stewartville Road) Road Widening**

Recommendation: THAT the Operations Committee recommend to County Council that a by-law be passed to acquire Parts 3, 4, 5 and 6 on Plan 49R-19523 from Paul Neill in the amount \$2,100; AND THAT Parts 3, 4, 5 and 6 on Plan 49R-

19523 be dedicated as part of the public highway upon registration of the transfer documents.

Background

In the spring of 2019 an application was submitted for a severance of property along a portion of County Road 63 (Stewartville Road) within part of Lot 17, Concession 7, in the Geographic Township of McNab in the Township of McNab/Braeside. As a condition of the approval, the County is to acquire a portion of road widening land in accordance with County Policy PW-12, Right-of-Way Protection and Acquisition.

The property to be transferred to the County is identified as Parts 3, 4, 5 and 6 on Plan 49R-19523. As the County has not completed any recent land acquisitions in the area, and the value of land has been steadily increasing in the McNab/Braeside area, a certified land appraisal report was completed by Rivington Commercial Appraisors Inc. The appraisal has determined the value of the land to be (\$2,100) for the 0.413 acres to be acquired. A copy of a map showing the applicants' lands and a copy of Plan 49R-19523 is attached as Appendix IN-VII and Appendix IN-VIII.

OPERATIONS DIVISION REPORT

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

Prepared for: Operations Committee

February 11, 2020

INFORMATION

1. Winter Operations

The month of January provided a variety of winter weather conditions that required responses by staff. Table 1 provides a summary of winter events, material usage and precipitation amount to date. Staff continues to be ready to respond to winter events as they occur.

Table 1

Month	No. of Event Days	No. of Event Days	Type of Event (days)	Type of Event (days)	Type of Event (days)	Material Used (tonnes)	Material Used (tonnes)	Precipitation	Precipitation
	Weekday	Weekend	Snow	Blowing Snow	Freezing Rain	Salt	Sand	Weather Station	Amount (mm)
Nov	13	0	9	0	4	1,770	49	Petawawa	23.5
								Bancroft	48.8
Dec	18	8	20	3	7	5,101	1,616	Petawawa	43.5
								Bancroft	68.5
Jan	16	6	19	8	7	5,089	2,146	Petawawa	57.5
								Bancroft	127.1
Totals	47	14	48	11	18	11,960	3,811	Petawawa Bancroft	124.5 244.4

Table 2 outlines the Significant Weather Events declared in January 2020.

Table 2

Declaration Start

Declaration End

Month	Day	Time	Month	Day	Time	Reason
Jan	10	3:38 PM	Jan	13	10:00 AM	Snow/Ice
Jan	17	5:02 PM	Jan	19	3:00 PM	Snow

Month	Day	Time	Month	Day	Time	Reason
Jan	24	10:00 PM	Jan	26	1:15 PM	Ice

2. **Spring Load Restrictions**

In keeping with the County's by-law pertaining to spring load restrictions, such restrictions may be imposed commencing March 1 and extend to May 31. Over the coming weeks, staff will be monitoring the spring weather conditions to determine the optimum time to impose the spring load restrictions. The County will be placing advertisements in the local newspapers to advise haulers of the spring load restrictions.

3. **Quotations and Tenders**

A letter was circulated to the local municipal staff advising them of the planned tenders and requesting that if they would like to participate to provide a response to the questionnaire included as part of the letter by Thursday, February 13, 2020. The tenders included in the circulation and balance of the tenders that form part of the approved budget will be released from the Operations Division starting in early March. As of February 4, 2020, the Operations Division has received three requests returned.