



OPERATIONS COMMITTEE
Wednesday, April 26, 2023 – 9:30 a.m.
County of Renfrew Administration Building
AGENDA

1. Call to order.
2. Land acknowledgement.
3. Roll call.
4. Disclosure of pecuniary interest and general nature thereof.
5. Public Works and Engineering Department Page
 - a) Infrastructure Division Report 2
 - b) Operations Division Report 9
6. Closed Meeting: None at time of mailing.
7. Date of next meeting (Tuesday, May 16, 2023) and adjournment.

NOTE: a) **County Council: Wednesday, April 26, 2023.**
b) Submissions received from the public, either orally or in writing may become part of the public record.

INFRASTRUCTURE DIVISION REPORT

Prepared By: Taylor Hanrath, Manager of Infrastructure

Prepared for: Operations Committee

April 26, 2023

BY-LAWS

1. PWC-2023-28 – C197 (Etmanskie Swamp Culvert)

Recommendation: THAT the Operations Committee recommends that Contract PWC-2023-28 as submitted by Channeline International Fiber Glass Manufacturing LLC, Dubai for the manufacture, supply, and delivery of a single glass reinforced plastic pipe liner for County Structure C197 (Etmanskie Swamp Culvert) located on County Road 62 (John Street), Township of Madawaska Valley, in the amount of \$332,408 plus applicable taxes be approved; AND FURTHER THAT County Council pass a By-law to Authorize Execution of the Contract.

Background

County Structure C197 (Etmanskie Swamp Culvert) is located on County Road 62 (John Street), approximately 600m south of Highway 60, in the Township of Madawaska Valley. Rehabilitation of the structure was originally planned for 2021. However, during design the County's Consultant Engineer identified that the existing concrete box culvert was not designed with sufficient capacity to support the substantial cover over the structure. As such, a traditional concrete patching rehabilitation was not recommended.

As traditional rehabilitation was not a code compliant solution, the Public Works and Engineering staff requested that the Design Consultant begin conceptual design for a replacement option. During investigations for the replacement, it was identified that underground, concrete encased Bell Canada (Bell) ducts are located approximately 1.5m below the shoulder of the road which would need to be supported across the excavation during replacement. Additionally, there is approximately 8m of cover over the existing box, requiring approximately 47m wide excavation, and 29m of Bell supported duct, for replacement. Given the high cost of replacement, the high risk associated with supporting the Bell duct, and the significant impact of closing a high-volume road in the community of Barry's Bay, County staff reviewed other options and was made aware of a liner option for box culverts that is relatively new to the market using fibreglass reinforced plastic. Staff reached out to references and found that it has been used with success by the Ontario Ministry of Transportation (MTO) and the City of Hamilton. Staff had the Design Consultant review product data provided from a supplier identified by MTO to confirm conformance with the Canadian Highway Bridge Design Code and the design flow requirements for the structure. Following confirmation that the liner would suffice for the needs of the structure, the County proceeded with issuing a Request for Proposal for the manufacture, supply, and delivery of a single glass reinforced plastic pipe liner.

Proposals were received until 2:00 p.m., April 13, 2023, and the results are as follows:

1. Channeline International Fiber Glass Manufacturing LLC, Dubai \$332,408
All amounts exclude applicable taxes

Though only a single submission was received, it is considered competitive. This proposal was advertised through Bids and Tenders to a wide range of potential proponents, and is considered equal or lesser cost than supply of a replacement concrete box culvert. Channeline has supplied for both MTO and the City of Hamilton and their submission has been recommended for approval by the Design Consultant for the structure.

Financial Implications

The 2023 Capital Budget allocation for C197 (Etmanskie Swamp Culvert) is \$1,300,000. A comparison of the 2023 budget and projected costs is provided in the following table:

C197 (Etmanskie Swamp Culvert)			
		Low Tender	
	2023 Budget	Projected	Variance Over/(Under)
Liner Supply	450,000.00	332,408.00	(117,592.00)
Grout & Additional Materials	200,000.00	200,000.00	-
Construction	450,000.00	450,000.00	-
Engineering - Design/Tendering	40,000.00	40,000.00	-
Engineering - Construction Supervision	10,000.00	10,000.00	-
Material Testing (Allowance)	20,000.00	20,000.00	-
Contingency	118,755.00	36,620.40	(82,134.60)
Applicable Taxes	11,245.00	9,210.66	(2,034.34)
Total	1,300,000.00	1,098,239.06	(201,760.94)
*Projected costs are based on Tender results, internal costs, and line painting			

Staff confirm that there are sufficient funds in the 2023 Capital Budget to complete this project as proposed. Installation of this liner can be completed at a similar or lesser cost than replacement of the structure, will allow for a single alternating lane of traffic during construction, and can be completed in less time than replacement.

2. **PWC-2023-44 – Rehabilitation of County Structure B044 (Douglas Bridge)**

Recommendation: THAT the Operations Committee recommends that Contract PWC-2023-44 as submitted by Bonnechere Excavating Inc. (BEI), Renfrew, Ontario for rehabilitation of County Structure B044 (Douglas Bridge) located on County Road 5 (Stone Road), Township of

Admaston/Bromley, in the amount of \$741,223 plus HST be approved; AND FURTHER THAT County Council pass a By-law to Authorize Execution of the Contract.

Background

County Structure B044 (Douglas Bridge) is located on County Road 5 (Stone Road), a distance of 0.3km east of Highway 60 in Douglas, the Township of Admaston/Bromley. Douglas Bridge requires rehabilitation due to ongoing deck deterioration and the commencement of chloride infiltration in the concrete deck, as noted from a detailed condition survey completed in 2021.

Tenders were received until 2:00 p.m., April 24, 2023, and the results are as follows:

- 1. Bonnechere Excavating Inc. (BEI), Renfrew, Ontario \$741,223
 - 2. Dalcon Constructors Ltd., Ottawa, Ontario \$1,203,000
 - 3. Bellai Alliance Civil Inc., Ottawa, Ontario \$1,300,641
- All amounts exclude applicable taxes

A high value was budgeted for contingency on construction for the rehabilitation of Douglas Bridge as there was significant traffic control measures required and potential for significant concrete repairs in the deck. Following further detailed design analysis (after budget was approved), the amount of concrete repairs was significantly less than anticipated and the overall traffic control measures required for the project were significantly reduced. As such, the submitted tenders for the project are significantly less than budget. However, as the low tender is less than anticipated, staff completed a detailed review and are satisfied with the rates provided for the scope of work.

Financial Implications

The 2023 Capital Budget allocation for B044 (Douglas Bridge) is \$1,800,000. A comparison of the 2023 budget and projected cost is provided in the following table:

B044 (Douglas Bridge)			
		Low Tender	
	2023 Budget	Projected	Variance Over/(Under)
Construction	1,300,000.00	741,223.00	(558,777.00)
Engineering - Design/Tendering	25,000.00	25,000.00	-
Project Administration and Construction Supervision	100,000.00	70,000.00	(30,000.00)
Material Testing (Allowance)	15,000.00	15,000.00	-
Contingency	335,347.50	74,122.30	(261,225.20)
Applicable Taxes	24,652.50	14,466.66	(10,185.84)
Total	1,800,000.00	939,811.96	(860,188.04)
*Projected costs are based on Tender results, internal costs, and line painting			

Staff confirm that there are sufficient funds in the 2023 Capital Budget for B044 (Douglas Bridge) to complete this project as tendered.

3. County Road 512 (Foymount Road) – Hydro One Class A Cost Estimate

Recommendation: THAT the proposed ‘Class A’ estimate by Hydro One for the relocation of the lines along the corridor of County Road 512 (Foymount Road), between Buelow Road and Miller Road, Township of Bonnechere Valley, in the amount of \$423,740.13 plus applicable taxes be approved; AND FURTHER THAT County Council pass a By-law to authorize execution of the works.

Background

On March 31, 2023, staff received the updated Class A estimate, for the County of Renfrew’s contribution to relocation of Bell owned utility poles along County Road 512 (Foymount Road), from Buelow Road to Miller Road, Township of Bonnechere Valley, from Hydro One in the amount of \$423,740.13 plus applicable taxes. Per the requirements of the Public Service Works on Highways Act, the County is responsible for 50% of costs associated with labour and labour savings devices, which is reflected in the Class A estimate from Hydro One.

As Hydro One is the only entity available to complete these works, the award of these services is required to be completed under a non-competitive bid process. However, the cost exceeds the \$250,000 award threshold under the Chief Administrative Officer’s authority for non-competitive awards as permitted under the County of Renfrew Corporate Policy GA-01 – Procurement of Goods and Services.

COUNTY OF RENFREW

BY-LAW NUMBER 63-23

**A BY-LAW FOR THE EXECUTION OF CONTRACT PWC-2023-28
REHABILITATION OF COUNTY STRUCTURE C197 (ETMANSKIE CREEK CULVERT)**

WHEREAS under Section 11 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, the Municipal Corporation of the County of Renfrew has the authority to pass by-laws to enter into contracts to construct and maintain County Roads and Bridges;

AND WHEREAS public tenders were requested for the rehabilitation of County Structure C197 (Etmanskie Creek Culvert) located on County Road 62 (John Street), Township of Madawaska Valley, under Contract PWC-2023-28 in accordance with County of Renfrew Corporate Policy GA-01 Procurement of Goods and Services;

AND WHEREAS the tender submitted by Channeline International Fiber Glass Manufacturing LLC, Dubai was reviewed and accepted by the Operations Committee.

NOW THEREFORE the Council for the Corporation of the County of Renfrew hereby enacts:

1. THAT the Council of the County of Renfrew approve of the awarding of Contract PWC-2023-28 for the rehabilitation of County Structure C197 (Etmanskie Creek Culvert) as submitted by Channeline International Fiber Glass Manufacturing LLC, Dubai in the amount of \$332,408 plus HST.
2. THAT the Warden and Clerk be empowered to do and execute all things, papers and documents necessary to the execution of the said contract.
3. THAT this By-law shall come into force and take effect upon the passing thereof.

READ a first time this 26th day of April 2023.

READ a second time this 26th day of April 2023.

READ a third time and finally passed this 26th day of April 2023.

PETER EMON, WARDEN

CRAIG KELLEY, CLERK

COUNTY OF RENFREW

BY-LAW NUMBER 64-23

**A BY-LAW FOR THE EXECUTION OF CONTRACT PWC-2023-44
REHABILITATION OF COUNTY STRUCTURE B044 (DOUGLAS BRIDGE)**

WHEREAS under Section 11 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, the Municipal Corporation of the County of Renfrew has the authority to pass by-laws to enter into contracts to construct and maintain County Roads and Bridges;

AND WHEREAS public tenders were requested for the rehabilitation of County Structure B044 (Douglas Bridge) located on County Road 5 (Stone Road), Township of Admaston/Bromley, under Contract PWC-2023-44 in accordance with County of Renfrew Corporate Policy GA-01 Procurement of Goods and Services;

AND WHEREAS the tender submitted by Bonnechere Excavating Incorporated, Renfrew, Ontario was reviewed and accepted by the Operations Committee.

NOW THEREFORE the Council for the Corporation of the County of Renfrew hereby enacts:

1. THAT the Council of the County of Renfrew approve of the awarding of Contract PWC-2023-44 for the rehabilitation of County Structure B044 (Douglas Bridge) as submitted by Bonnechere Excavating Incorporated, Renfrew, Ontario in the amount of \$741,223 plus HST.
2. THAT the Warden and Clerk be empowered to do and execute all things, papers and documents necessary to the execution of the said contract.
3. THAT this By-law shall come into force and take effect upon the passing thereof.

READ a first time this 26th day of April 2023.

READ a second time this 26th day of April 2023.

READ a third time and finally passed this 26th day of April 2023.

PETER EMON, WARDEN

CRAIG KELLEY, CLERK

COUNTY OF RENFREW

BY-LAW NUMBER 65-23

**A BY-LAW TO EXECUTE A PURCHASE ORDER WITH HYDRO ONE FOR POLE RELOCATES ON
COUNTY ROAD 512 (FOYMOUNT ROAD)**

WHEREAS under Section 11 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, the Municipal Corporation of the County of Renfrew has the authority to pass by-laws to enter into contracts to construct and maintain County Roads and Bridges;

AND WHEREAS Hydro One, as the only entity available to relocate utility lines, was requested to provide a quotation in accordance with County of Renfrew Corporate Policy GA-01 Procurement of Goods and Services;

AND WHEREAS the quote submitted by Hydro One was reviewed and accepted by the Operations Committee.

NOW THEREFORE the Council for the Corporation of the County of Renfrew hereby enacts:

1. THAT the Council of the County of Renfrew approve the relocation of utility lines along County Road 512 (Foymount Road), from Buelow Road to Miller Road, Township of Bonnechere Valley, in the amount of \$423,740.13 plus HST as submitted by Hydro One.
2. THAT the Warden and Clerk be empowered to do and execute all things, papers and documents necessary to the execution of the said contract.
3. THAT this By-law shall come into force and take effect upon the passing thereof.

READ a first time this 26th day of April 2023.

READ a second time this 26th day of April 2023.

READ a third time and finally passed this 26th day of April 2023.

PETER EMON, WARDEN

CRAIG KELLEY, CLERK

OPERATIONS DIVISION REPORT

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

Prepared for: Operations Committee

April 26, 2023

BY-LAWS

1. PWC-2023-19 – County Road 37 (Murphy Road) Rehabilitation

Recommendation: THAT the Operations Committee recommends that Contract PWC-2023-19 as submitted by H&H Construction Inc., Petawawa, Ontario for rehabilitation of County Road 37 (Murphy Road) from Portage Road to Woodland Crescent, Town of Petawawa, in the amount of \$710,091.74 plus HST be approved; AND FURTHER THAT County Council pass a By-law to Authorize Execution of the Contract.

Background

Tenders were requested and received for the rehabilitation of County Road 37 (Murphy Road) from Portage Road to Woodland Crescent, Town of Petawawa, for a distance of 1.20km. The results received are as follows:

- | | |
|---|--------------|
| 1. H&H Construction Inc., Petawawa, Ontario | \$710,091.74 |
| 2. Greenwood Paving, Pembroke, Ontario | \$733,427.50 |
- All amounts exclude applicable taxes

Financial Implications

The 2023 Capital Budget allocation for County Road 37 (Murphy Road) is \$1,077,840. A comparison of the 2023 budget and projected costs is provided in the following table:

County Road 37 (Murphy Road)	2023 Budget	Low Tender	
		Projected	Variance Over/(Under)
Construction	943,796.71	710,091.74	(233,704.97)
Engineering - Design/Tendering	6,000.00	6,000.00	-
Project Administration and Construction Supervision	14,000.00	14,000.00	-
Material Testing (Allowance)	3,000.00	3,000.00	-
Contingency	94,379.67	35,504.59	(58,875.08)
Applicable Taxes	16,663.62	12,550.41	(4,113.21)
Total	1,077,840.00	781,146.74	(296,693.26)

*Projected costs are based on Tender results, internal costs, and line painting

Staff confirm that there are sufficient funds in the 2023 Capital Budget for the completion of this project as tendered. The difference in the variance is due to the project limits being shortened from County Road 26 (Doran Road) to Woodland Crescent as the Town of Petawawa is working with the County to urbanize this section of road.

COUNTY OF RENFREW

BY-LAW NUMBER 66-23

**A BY-LAW FOR THE EXECUTION OF CONTRACT PWC-2023-37
REHABILITATION OF COUNTY ROAD 37 (MURPHY ROAD)**

WHEREAS under Section 11 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, the Municipal Corporation of the County of Renfrew has the authority to pass by-laws to enter into contracts to construct and maintain County Roads and Bridges;

AND WHEREAS public tenders were requested for the rehabilitation of County Road 37 (Murphy Road) from Portage Road to Woodland Crescent, Town of Petawawa, under Contract PWC-2023-37 in accordance with County of Renfrew Corporate Policy GA-01 Procurement of Goods and Services;

AND WHEREAS the tender submitted by H&H Construction Inc., Petawawa, Ontario for rehabilitation was reviewed and accepted by the Operations Committee.

NOW THEREFORE the Council for the Corporation of the County of Renfrew hereby enacts:

1. THAT the Council of the County of Renfrew approve of the awarding of Contract PWC-2023-37 for the rehabilitation of County Road 37 (Murphy Road) from Portage Road to Woodland Crescent as submitted by H&H Construction Inc., Petawawa, Ontario in the amount of \$710,091.74 plus HST.
2. THAT the Warden and Clerk be empowered to do and execute all things, papers and documents necessary to the execution of the said contract.
3. THAT this By-law shall come into force and take effect upon the passing thereof.

READ a first time this 26th day of April 2023.

READ a second time this 26th day of April 2023.

READ a third time and finally passed this 26th day of April 2023.

PETER EMON, WARDEN

CRAIG KELLEY, CLERK