



Subject:	2019 Capital Road Resurfacing and Rehabilitation Program
To:	Community Services & Infrastructure Committee
From:	Public Works Department

Report Number:	PW-08-19
Wards Affected:	All
Date to Committee:	Wednesday, April 3, 2019
Date to Council:	Monday, April 15, 2019

Recommendation:

Receive and file Report PW-08-19 for the 2019 Capital Road Resurfacing and Rehabilitation project award;

Approve the contract award for the 2019 Asphalt Paving Program tender to Brennan Paving Ltd. for the amount of \$528,884.40 as outlined in the report

Approve the contract award for the 2019 Rural Road Rehabilitation Program tender to Norjohn Contracting and Paving Ltd. for the amount of \$854,114.75 as outlined in the report

Approve the Mayor and Town Clerk to sign and seal the contract documents on behalf of the municipality.

Purpose:

To examine the results of the 2019 Asphalt Paving Program tender and the 2019 Rural Road Rehabilitation Program tender and obtain approval to proceed with construction of both phases.

Background:

The Town's annual Road Resurfacing and Rehabilitation Program includes both urban and rural roads with a balanced approach of focusing on both "keeping the good roads good" via resurfacing strategies and also addressing roads in poor condition via rehabilitation work. The road candidates for this years' program were selected and based on the recommendations from the Road Rationalization Review and the Town's Ten (10) Year Capital Plan forecast. Please refer to the location map for the roads included in the approved 2019 Capital Road Resurfacing and Rehabilitation Program.

Report:

The Road Resurfacing and Rehabilitation Program involves two methods of road construction. Urban roads are resurfaced using a hot mix asphalt while the Town's rural roads are rehabilitated with surface treatment. To secure competitive pricing in both areas of construction, staff separated this year's program into two tenders.

Table 1.0 summarizes the approved 2019 Capital Road Resurfacing and Rehabilitation road candidates by construction type.

Table 1.0 – 2019 Road Resurfacing and Rehabilitation Program – construction method summary Table

Road	To/From	Length (km)	Rehabilitation Strategy
2019 Asphalt Paving Program (Brennan Paving Ltd.)			
Frederick Avenue	Entire Section	1.10	R1 ³
John Charles Boulevard	Entire Section	0.30	R1 ³
Kerry Court	Entire Section	0.10	R1 ³
Robert George Mews	Entire Section	0.20	R1 ³
Culp Road	Victoria Avenue to Twenty-Third Street	0.50	R1 ³
Twenty-Third Street	Culp Road to 100m South	0.10	R1 ³
Drake Avenue	Entire Section	0.50	R1 ³
Marguerite Avenue	Entire Section	0.10	R1 ³
Cameron Avenue	Entire Section	0.40	R1 ³
Dufferin Avenue	Entire Section	0.40	R1 ³
Academy Street	Entire Section	0.20	R1 ³
2019 Rural Road Rehabilitation Program (Norjohn Contracting and Paving Ltd.)			
Merritt Road North	North Service Road to Lakeside Drive	1.00	BS ¹ and DST ²
Maple Grove Road	John Street North to South Service Road	1.50	BS ¹ and DST ²
Zimmerman Road	Yonge Street to Fly Road	2.10	BS ¹ and DST ²
High Road	Spring Creek Road to Bethesda Road	2.50	BS ¹ and DST ²
Moyer Road	Spiece Road to Campden Road	0.90	BS ¹ and DST ²
Spiece Road	Fly Road to Moyer Road	1.00	BS ¹ and DST ²
Total Length (km)		12.9	

1. BS – Base Strengthening
2. Double Surface Treatment
3. Hot Mix Asphalt

Tenders for the Road Resurfacing and Rehabilitation Program were issued in February. The 2019 Asphalt Paving Program tender closed on February 21, 2019 and the 2019 Rural Road Rehabilitation Program tender closed on March 12, 2019.

The bid results for the **2019 Asphalt Paving Program** are summarized in Table 2.0:

Table 2.0 – 2019 Asphalt Paving Program tender results

COMPANY NAME	COST
Brennan Paving Ltd.	\$528,884.40
Norjohn Contracting and Paving Ltd.	\$546,216.00
Rankin Construction Inc.	\$556,725.00
Steed and Evans Ltd.	\$608,000.00
Coco Paving Inc.	\$618,250.00
Associated Paving and Materials Ltd.	\$625,733.06
Circle P Paving Inc.	\$674,701.10
Pacific Paving Ltd.	\$732,665.00
Ashland Paving Ltd.	\$831,590.92

The low bidder, Brennan Paving Ltd. has worked for the Town of Lincoln in the past and has completed similar road resurfacing and rehabilitation projects satisfactorily. As such, staff recommends that the award of the subject tender be awarded to Brennan Paving Ltd.

The bid results for the **2019 Rural Road Rehabilitation Program** are summarized in Table 3.0:

Table 3.0 – 2019 Rural Road Rehabilitation Program tender results

COMPANY NAME	COST (w/o provisional roadways)
Norjohn Contracting and Paving Ltd.	\$854,114.75
Circle P Paving Inc.	\$903,460.00

The low bidder, Norjohn Contracting and Paving Ltd. has worked for the Town of Lincoln in the past and has completed similar road resurfacing and rehabilitation projects satisfactorily. As such, staff recommends that the award of the subject tender be awarded to Norjohn Contracting and Paving Ltd.

Provisional Roads (optional)

In keeping with Council's mandate to optimize the annual Road Resurfacing and Rehabilitation Program capital budget allocation, council approved a list of provisional

(optional) roads in the 2019 program scope that were included with the tender. Since the tender results were favourable, a provisional road has been included in the tender award recommendation.

Table 4.0 summarizes the recommended provisional roads included in the contract and provides the tendered budget allocation for each road as well.

Table 4.0 – 2019 Rural Road Rehabilitation Program – recommended provisional roads

Road	To/From	Length (km)	Rehabilitation Strategy	Estimated Cost
Campden Road	North End to 650m South of Moyer Road	1.3	BS ¹ , DST ² SST ³	\$58,360.00
Total:				\$58,360.00

1. BS – Base Strengthening
2. DST - Double Surface Treatment
3. Single Surface Treatment

Financial, Legal, Staff Considerations:

Table 5.0 summarizes the total estimated costs to complete the 2019 Capital Road Resurfacing and Rehabilitation project.

Table 5.0 – 2019 Roads Program - Estimated Construction Cost Summary

DESCRIPTION	COST
Tendered price for 2019 Asphalt Paving Program (Brennan)	\$528,884.40
Tendered price for 2019 Rural Road Rehabilitation Program (Norjohn) (does not include provisional roads)	\$854,114.75
Estimated price for Station Avenue Rehabilitation (Included in Second Ave. Watermain and Road Reconstruction project tender)	\$125,750.00
Budget for Bartlett Road North and Lister Rehabilitation (Separate 2019 Tender – date TBD)	\$250,000.00
Geotechnical /Administration/Inspection	\$60,000.00
Contingency Allowance – may or may not be used (i.e. fluctuating oil prices, increased asphalt padding, base repairs, etc.)	\$50,000.00
Proposed Roadside Ditching and Culvert Improvement Allowance	\$25,000.00
Total Estimated Project Cost	\$1,893,749.15
Approved Budget Funding – 2019 Roads Program	\$1,845,635.00
Approved Budget Funding – Drake Avenue Top Asphalt	\$125,000.00
Approved Budget Funding – Academy Top Asphalt	\$20,000.00
Total Roads Program Funding	\$1,990,635.00
Budget Surplus	\$96,885.85

Based on the above, the total estimated project costs can be accommodated by the funds allocated with the approved budget. Further, staff recommends that the estimated budget surplus of \$96,885.85 be used for the rehabilitation of provisional roads listed in Table 4.0

Staffing: N/A

Legal: N/A

Public Engagement Matters:

An updated Road Infrastructure Improvement brochure for 2019 will be made available to the general public through the Town's website, social media, town facilities etc. An active communication plan will be in place through construction newsletters to make sure residents are well informed and kept up to date through the construction work.

Conclusion:

Public Works staff have reviewed each project tender and have worked with both low bidding contractors previously with satisfactory results. In addition, both tenders were received within budget. As such, staff recommend that Council award the 2019 Asphalt Paving Program contract to Brennan Paving Limited and the 2019 Rural Road Rehabilitation contract to Norjohn Contracting and Paving Ltd. as outlined in this report.

Respectfully submitted,

Walter Neubauer
Manager, Engineering Services
905-563-2799 Ext.278

Appendices:

Appendix A - Location map

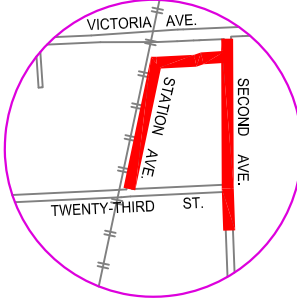
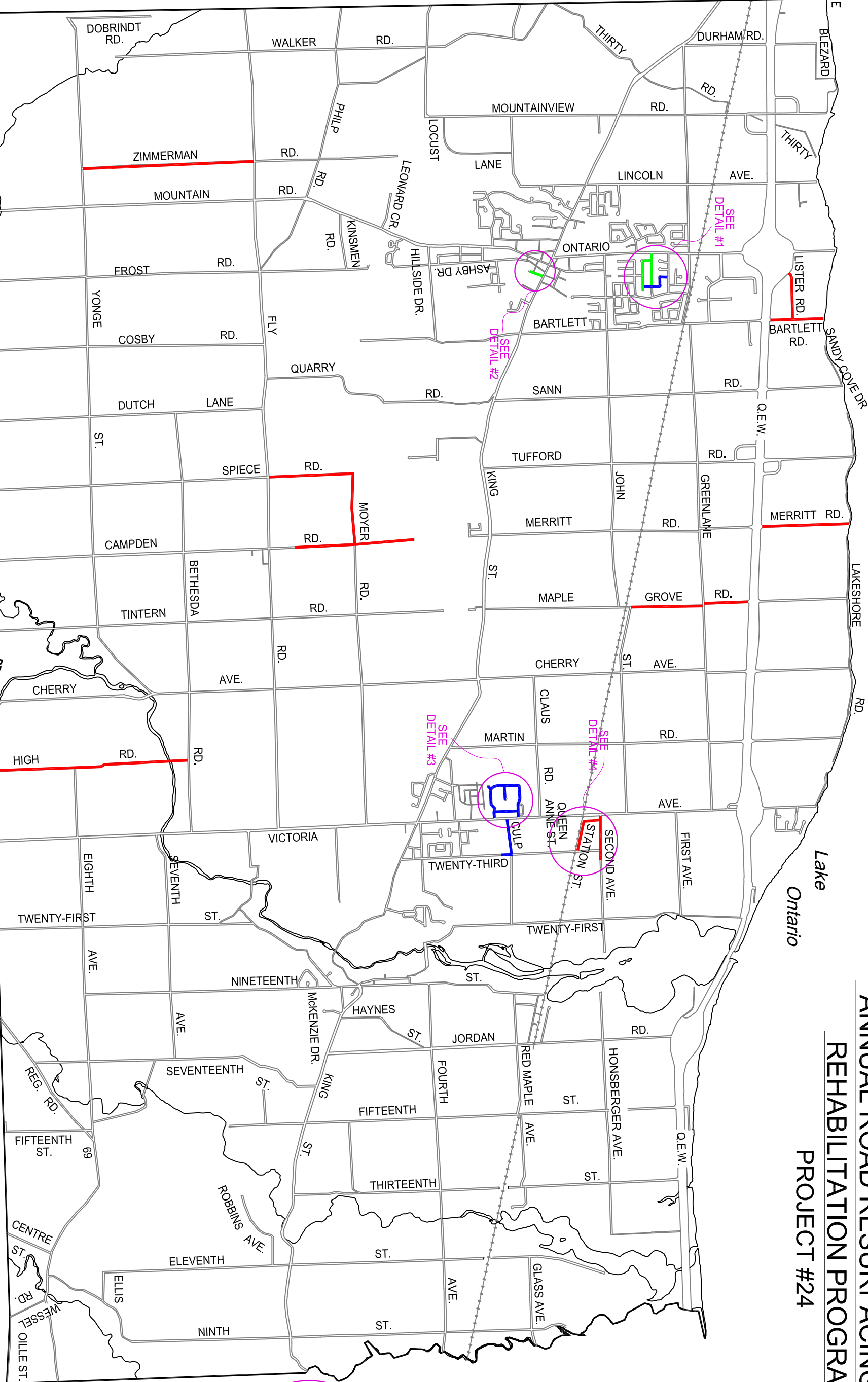
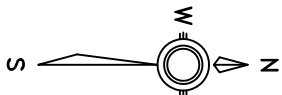
Report Approval:

Report has been reviewed and/or approved by the Director of Public Works.
Final approval is by the Chief Administrative Officer.

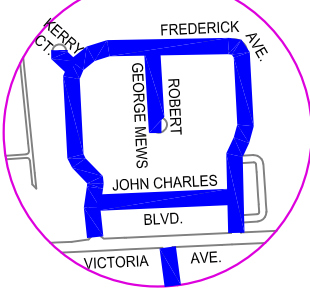
ANNUAL ROAD RESURFACING AND

REHABILITATION PROGRAM

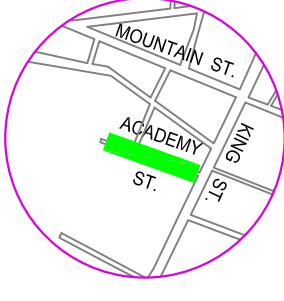
PROJECT #24



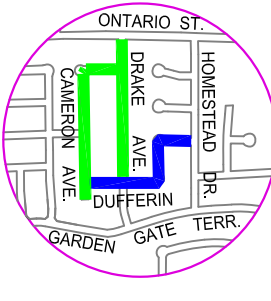
DETAIL #4
Included in Second Ave
Watermain Replacement Project



DETAIL #3



DETAIL #2



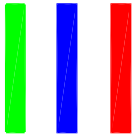
DETAIL #1

LEGEND

2019 ROAD REHABILITATION

2019 ROAD RESURFACING / SEALING

CARRY FORWARD RESURFACING



DATE: MARCH 2019

SCALE: N.T.S.

DR. BY: JVL