



Committee of the Whole Report

Report Number: ENG2021-011
Meeting Date: June 1, 2021
Title: Life Cycle Extension, Local Asphalt Road Section Candidates
Description: 9832107 Local Asphalt Work
Author and Title: Mike Farquhar, Supervisor Technical Services

Recommendation(s):

That Report ENG2021-011, **Life Cycle Extension, Local Asphalt Road Section Candidates**, be received; and

That this recommendation be brought forward to Council for consideration at the next Regular Council meeting on June 15, 2021.

Department Head: _____

Financial/Legal/HR/Other: _____

Chief Administrative Officer: _____

Background:

At the Committee of the Whole meetings on September 15, 2020, October 20, 2020 and March 23, 2021 the following resolutions were passed in relation to the Life Cycle Extension program.

CW2020-120

Moved By Councillor Richardson

Seconded By Councillor Ashmore

That the Memorandum from Councillor Ashmore and Councillor Richardson, **regarding Grassy Road Lifecycle Extension Program**, be received;

That Grassy Road from Emily Park Road to Hawke Drive be considered for the Lifecycle Extension Program for 2021; and

That this recommendation be forwarded to Council for consideration at the next Regular Council Meeting.

Carried

CW2020-136

Moved By Councillor Yeo

Seconded By Councillor Dunn

That the projects identified in Appendix A to Report CORP2020-014 be received for information purposes; and

That this recommendation be forwarded to Council for consideration at the next Regular Council Meeting.

Carried

CW2020-137

Moved By Councillor Ashmore

Seconded By Councillor Yeo

That correspondence from Councillor Ashmore identifying roads for consideration under the Lifecycle Extension Program and Rural Resurfacing Program within the 2021 Budget be received;

That the items identified in that correspondence be included in Appendix A to Report CORP2020-014 and forwarded to Council for consideration; and

That this recommendation be forwarded to Council for consideration at the next Regular Council Meeting.

Carried

CW2021-077

Moved By Councillor Richardson

Seconded By Councillor Elmslie

That the Memorandum from Councillor Richardson, **regarding Janetville Subdivision Lifecycle Extension Program**, be received;

That Manvers Drive, Neals Drive, Janet Drive, William Ave and Arbour Court be reviewed and considered for a future Lifecycle Extension Program; and

That this recommendation be forwarded to Council for consideration at the next Regular Council Meeting.

Carried

As well as these resolutions, this report follows the yearly practice of informing Council on the projects within the Life Cycle program as outlined in the resolution below.

CW2020-009

That Report MAYOR 2019-001, Deputy Mayor's 2019 Round Table Meetings on Roads, be received;

That staff report to Council each spring regarding life cycle extension needs in relation to the approved budget.

Carried

CR2021-263

Moved By Councillor Seymour-Fagan

Seconded By Councillor Richardson

That the petition received from Richard Hill and Colin Campbell, **regarding the condition of the roadway at Front Street West and West Street**,

Bobcaygeon, be received and referred to Staff for review in conjunction with the direction provided by resolution CR2021-237/CW2021-111

Carried

This report updates Council on the proposed projects for the Life Cycle extension program. The intent of the Life Cycle Extension program as outlined in the 2021 Capital program 9832107, is to maintain and preserve roads sections. This is done through the following programs:

Table 1:

Program Types
Local Asphalt Paving
Local Surface Treatment
Micro-Resurfacing
Slurry Sealing
Crack Sealing

The program utilizes these methods in order to sustain road section segments in a reasonable state until such time as a future capital project is implemented.

The main methods of preservation being used in 9832107 for 2021 will be Crack sealing and Local Asphalt paving at different locations throughout the City.

Rationale:

This report is in response to Council resolutions as described in the background of this report, to identify locations for local asphalt repair under the Life Cycle Extension program 9832007.

Table 2 is a list of hard topped roads identified by Public Works as requiring repair from spring breakup conditions. In addition to those roads are road segments that have been reviewed through Council resolutions and requests.

Life Cycle Extension, Local Asphalt Road Section Candidates

The scope of work for these road sections involve spot repair by resurfacing with an overlay of hot mix asphalt in spot segments of the roads, but is not limited to and can include pulverizing adding gravel and paving. The majority of the work will be done on segments within the described sections in Table 2, with the exception of Yelverton Road, Waite Road, Crawford Road and McGilvary Road where the intention is to pulverize these sections and grade them for Public Works to maintain as a gravel road section until they are proposed for resurfacing in the Roads 5 Year Plan. In past process the timeframe has been 1-2yrs from the date of pulverizing to resurfacing in future capital budgets.

Table 2:

Localized Resurfacing Locations 2021			
Road	From	To	Approximate Length (meters)
River Drive	Francis Street	Dead End	300-500
Green Street East	Murray Street	Lindsay Street	100-300
Front Street	at int. of West St		<100
Pitt's Cove Road	Gilmar Road	Hazel Road	300-500
Earl Kennedy Road	Cedar Glen Road	Clifford Road	300-500
Benson Street	Pacific St	Dead End	100-300
Pacific Street	North End	South End	100-300
CKL 6 north of Sebright	From Bridge going south to Sebright 0+200	0+300	<100
CKL 6 north of Sebright	From Bridge going south to Sebright 0+420	0+470	<100
CKL 6 north of Sebright	from CKL 45 north from Sebright 6+400	6+500	100-300
CKL 41	CKL 45 south to CKL 48 6+100	6+200	100-300
CKL 41	CKL 45 south to CKL 48 6+600	6+800	300-500
Bowen Rd	Washburn Island Rd	Verna	300-500

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Localized Resurfacing Locations 2021			
Cameron Rd	70 m N of Dufferin Pit Entrance #537	70 m S of Dufferin Pit Entrance	100-300
Omega Rd/Otter Rd Intersection	Omega Road east 25 m	Otter Rd, south 26 m	<100
Avery Point Road	Marlene Lane	Thompson Lane	100-300
Snug Harbour	a small section just north of the 3 way corner of Pickerel pt road and Snug harbour		<100
Cheese Factory	Settlers	Heights	>500
Kings Warf Rd	West of (Emily Creek) Bridge		300-500
Base Line Road	Vivian	Sticky Lane	>500
Northline Road	Highway 35	to 3rd of Somerville	>500
Crego Street	Kinmount		100-300
Hazel Street	Pitts Cove Road	Thurstonia Road (along lakeshore) - resurfacing	<100
Hickory Beach Road	CKL 30	Southward to North Bayou Rd	100-300
John Street	Curb and Gutter	Northward	300-500
Yelverton Road	CKL 5	Drum Road	4950
Waite Road	Hwy 35	Manvers Scugog Twp line	5800
Crawford	Rohallion	McGillvary Road	756
McGillvary Road	Crawford	to end	110

The process involved in creating this list involved the review of all road segments as referenced in the Council resolutions mentioned in this report, as well as, lists of road segments submitted by Public Works based on areas of high maintenance concerns.

The resolutions and recommendations were then reviewed against the City's current 5 year roads program for timing, as well as, condition need and effectiveness of treatment. Based on this, the list in Table 2 was produced. Any additional road segments will be considered based on available budget.

The following resolutions were reviewed based on the previously mentioned criteria and are not being considered at this time.

Grassy Road- as requested under CW2020-120 is not being considered for work under the lifecycle program in 2021 as it is proposed for resurfacing in 2022 under the Rural Resurfacing program.

Roads listed under resolution CW2020-136 and CW2020-137 as identified in CORP2020-014 report that are not being consider at this time based on the previously listed criteria are: Cadillac Boulevard, East St. Meadowview Road, Golf Links road, Henry St, Kelly's Bay road,

Roads requested through CW2021-077 at this time are not being considered due to condition, and would be better candidates for different type of life cycle treatment (slurry sealing) through this program. However, this year as mentioned in the background of this report the program is mostly focusing on asphalt overlays as preservation method.

Other Alternatives Considered:

Beginning in 2021, Engineering has tendered the Rural Resurfacing program and Life Cycle Extension program within one tender for reasons of pricing and administration efficiencies as well as coordination of similar work. This tender was issued as a 1 year with 2-year optional renewal to also allow for pricing efficiencies and expediency with commencing with yearly work. This tender has been awarded to Dufferin Construction through contract 2021-33-CQ Rural Resurfacing and work for these programs has already commenced.

Alternatively, if Council chooses to fund additional work to be completed within the Life Cycle Extension program, staff would review the next priority sections that had been identified through Council resolutions or by Public Works but not included in Table 2 (due to available budget or priority). Those additional road sections are listed in Table 3 below.

Table 3:

Localized Resurfacing Locations 2021		
Road	From	To
Jordan St	Princess St	Queen St
Eva St	North St	end of street
Beers road	North of intersection of Lifford road	
The Glen Road	100 meters east of #795	#698
Lorneville Road	CKL 46	east 250 meters
Monarch Road	Thunderbridge Road	Colborne St West
Gilmar Road	350 meters north of CKL 36	
Heights Road	Hwy 7	100 meters south
Clearview Road	South of Charlore Park Road	
Northline Road	Burnt River bridge	250 meters north
Drum road	West of John St 100 meters	
Peniel Road	#1051	#1185
Brechin Road	170 meters West of CKL6	100 meters West
Balsam Grove Road	Sections between Whitetail road	North end

Costs associated with completing asphalt overlay repairs within the segments listed in Table 3 will cost approximately \$700,000. If these works are added to the 2021 Lifecycle Management capital program, it would extend the program's completion date to approximately October 15, 2021. Due to constraints relating to staffing resources and time, Table 3 represents the maximum lifecycle management work staff is able to accommodate in 2021 in addition to that already committed to as per Table 2.

Alignment to Strategic Priorities

The strategic priorities within the 2020-2023 Kawartha Lakes Strategic Plan that report adheres to are:

1. Healthy Environment
2. A Vibrant and Growing Economy
3. Good Government

Financial/Operation Impacts:

As they currently exist, the 2019 and 2021 Lifecycle Management capital programs include the work outlined in Table 2, where the 2019 program has been extended to the end of 2021 as per Resolution CW2021-061 to complete carryover work included in Table 2. Should Council resolve to add to the 2021 program the work outlined in Table 3, staff recommends that the added work be funded by only Federal Gas Tax Reserve. In that case, staff would recommend that Council provide the following direction:

That the budget for the 2021 Lifecycle Management capital program (9832107) be increased by \$700,000 for the purpose of accommodating additional work outlined in Table 3 of Report ENG2021-011;

That the added budget of \$700,000 be funded from the Federal Gas Tax Reserve;

That, through the change order process, said work be added to the contract awarded under Tender 2021-33-CQ.

Consultations:

Public Works

Treasury

Department Head email: jrojas@kawarthalakes.ca

Department Head: Juan Rojas