

The Corporation of the City of Kawartha Lakes
Council Report

Report Number ENG2020-010

Meeting Date: July 28, 2020

Title: Angeline Street North Sidewalk Extension

Description:

Ward Number: 5

Author and Title: Juan Rojas, Director of Engineering and Corporate Assets

Recommendation(s):

That Report ENG2020-010, **Angeline Street North Sidewalk Extension**, be received.

Department Head:_____

Financial/Legal/HR/Other:_____

Chief Administrative Officer:_____

Background:

At the Council Meeting of June 23, 2020, Council adopted the following resolution:

CW2020-094

That the Memorandum from Councilor Dunn, regarding the extension of the sidewalk on Angeline Street North, be received;

That staff prepare a report with recommendations to extend the sidewalk on Angeline Street North from Alcorn Drive to the north entrance of Springdale Garden Drive; and

That the extension of this sidewalk section be included in the 2021 Budget as a decision unit.

Carried

This report addresses that direction.

The Memorandum from Council Dunn can be found in Appendix A of this report.

Existing Road condition of Angeline Street North

Angeline Street North from Alcorn Drive to Jennings Creek is currently to an urban cross section with curb and gutters.

Angeline Street North from Jennings Creek to Springdale Drive (north leg) is currently to a rural cross section with shoulders and ditches.

In 2004, the City of Kawartha Lakes retained the services of TSH Engineering Consulting to design the urbanization of Angeline Street North from Jennings Creek to Thunder Bridge Road, which included a concrete sidewalk. The design drawings can be found in Appendix B of this report.

In 2004, it was anticipated that the urbanization of Angeline Street North (construction) would coincide with the development of the Runnymede property (currently known as the iBrans property) located south of Thunder Bridge Road and west of Angeline Street North as the development would need to extend sanitary services along Angeline Street North in order to service their proposed development.

Runnymede did not proceed with the development in 2004 and thus the City did not proceed with the urbanization of the road.

Recently, (early July 2020), iBrans development has submitted a zoning and draft plan application of the development of the above mentioned site, however timing of development is still unknown.

Rationale:

In regards to the sidewalk extension considerations, as per council direction, the following Map will be referenced for proposed and alternative sidewalk routes:



Staff reviewed the direct route from Springdale Drive to Alcorn Drive and broke it down into 3 sections based on the ability to implement a sidewalk without having to fully urbanize the road cross section in this area in order to construct the sidewalk.

Section 1 - Red

The Red section as identified as section 1 on the map identifies the area from Springdale Drive north leg to the south leg of Springdale Drive which is approximately 233m in distance.

This section is currently a rural road standard and has a gravel shoulder area adjacent to the east side of Angeline Street North (as shown in Photo 1). The gravel shoulder on average is only 1.5 meters wide and terminates at the top of slope of the ditch on the east side of Angeline Street, this ditch has a 2:1 side slope (as shown in Photo 2). A concrete sidewalk structure was not considered in this section due to future plans to urbanizing this section of Angeline Street through future development.

The intermediate options would be a paved shoulder along the east side of Angeline Street from the north leg of Springdale Drive to the south leg of Springdale Drive or a paved pathway from the north leg of Springdale Drive along the grassed boulevard area south to #266 Angeline Street North where it would rejoin the road and become a paved shoulder up to south leg Springdale Drive.

These two different options for section 1 would have separate costs.

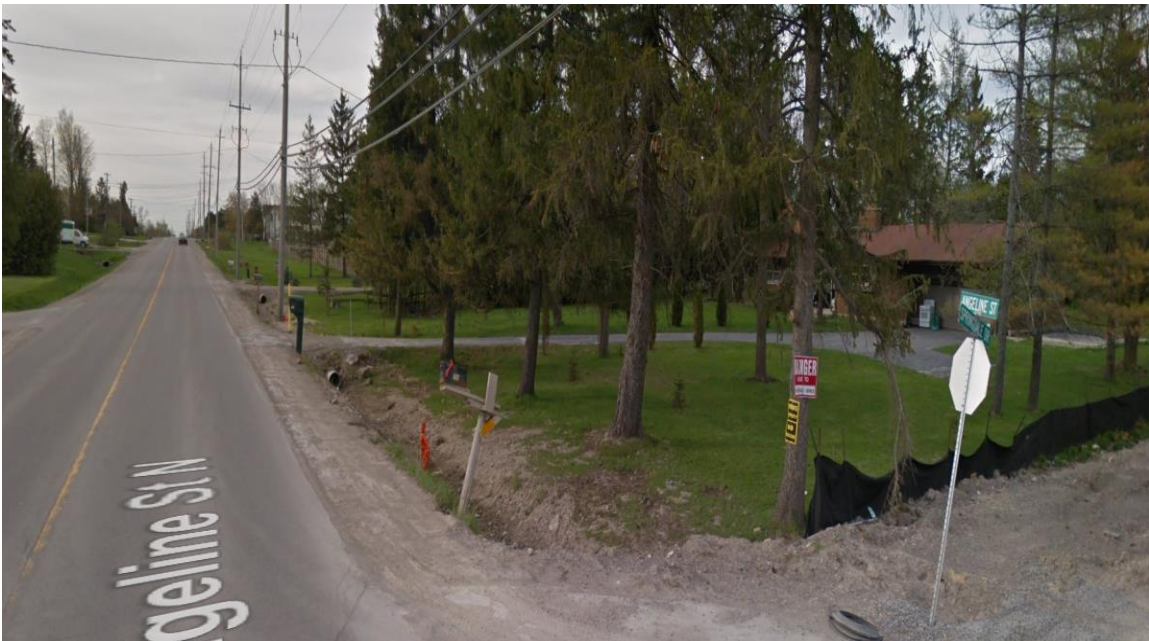
The cost for paving the gravel shoulder adjacent to Angeline Street North from north leg of Springdale Drive to the south leg would be approximately \$45,000.00.

The cost to implement a 3 meter paved pathway way along the grassed boulevard area east of the east ditch line of Angeline Street North and then back to a paved shoulder from the north leg of Springdale Drive to the south leg would be approximately \$55,000.00.

Photo 1



Photo 2



Section 2a – Yellow Section

The highlighted yellow section on the map identified as section 2a and identifies the area from the south leg of Springdale Drive to the start of the curb and gutter

section near Jennings Creek on Angeline Street North. This section is approximately 83 meters in length and is also a rural road (as shown in Photo 3).

The option for this section would be to pave the gravel shoulder that is adjacent to Angeline Street North on the east side of the road for an approximate distance of 83 meters leading up to the transition into the existing urbanized section with curb and gutter near Jennings Creek (as shown in Photo 4).

The approximate cost of implementing the section of 2a is \$15,000.00.

Photo 3

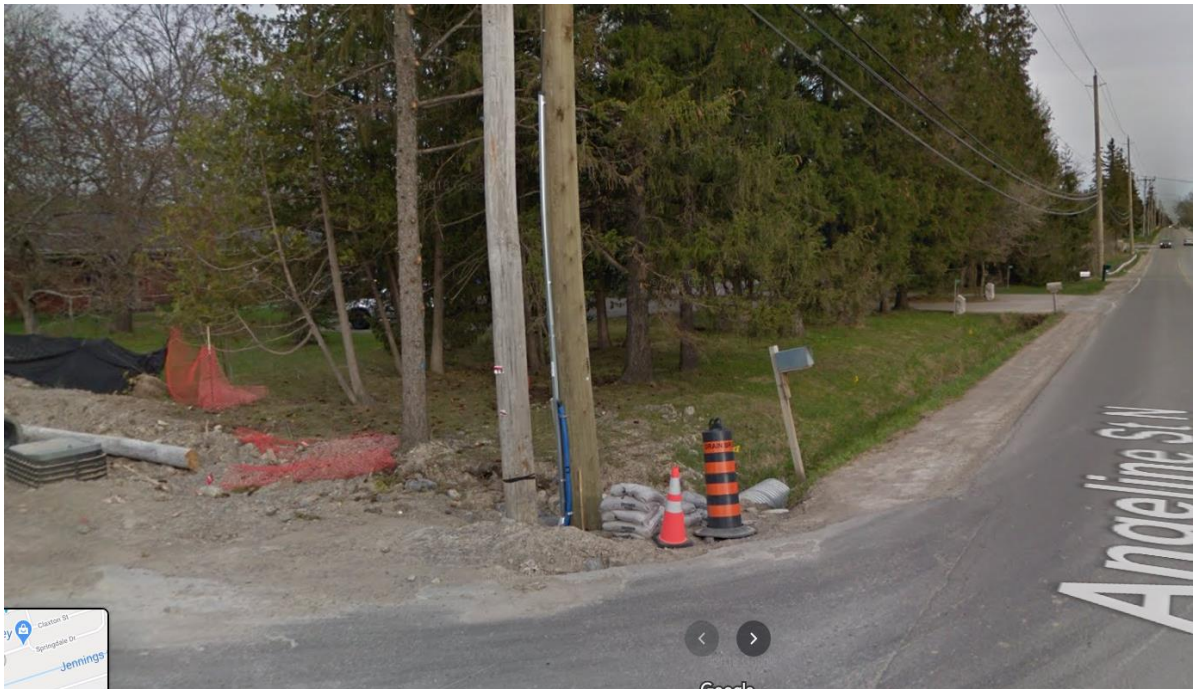


Photo 4



Section 2b – Green Section

The highlighted green section on the map identified as section 2b identifies the area from Alcorn Street to the end of the curb and gutter section of Angeline Street North.

This section of road is an existing urban road with curb and gutter.

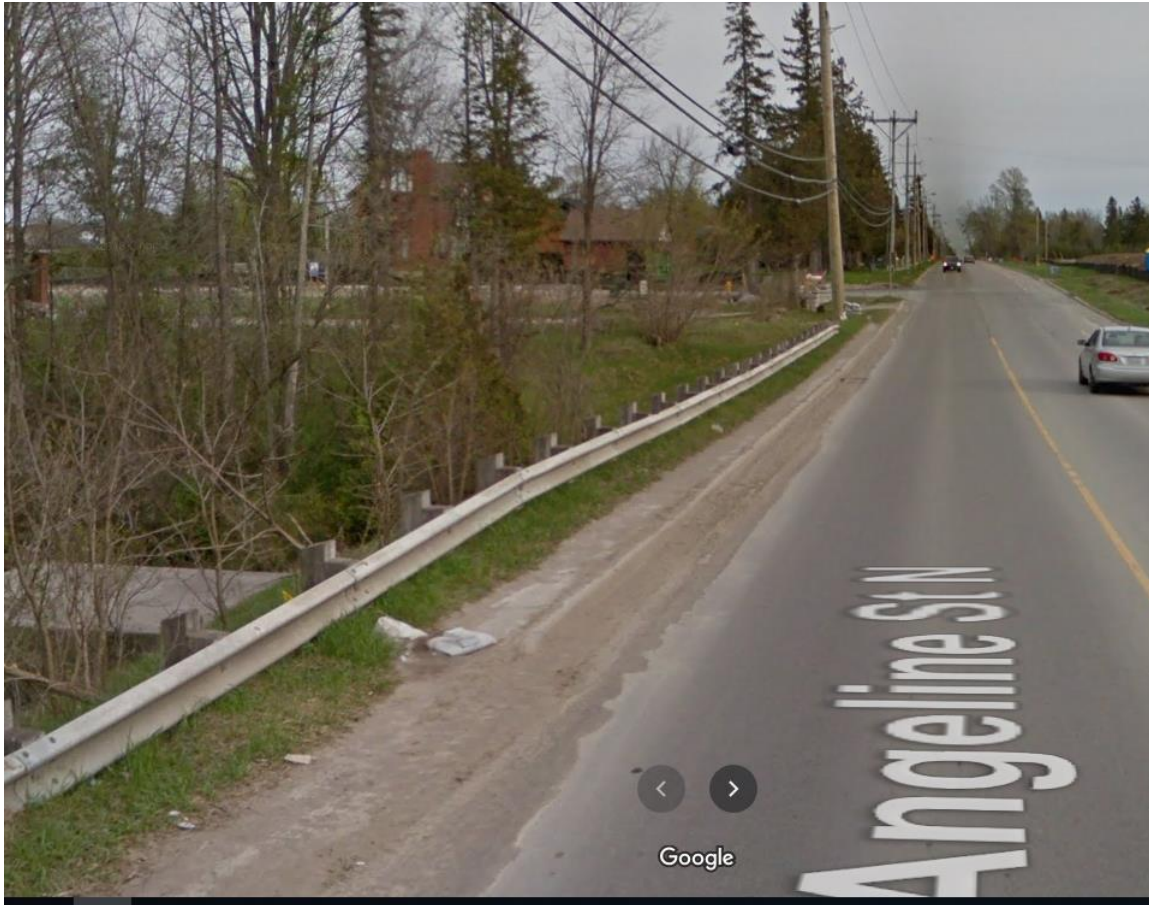
It is approximately 89 meters in length (as shown in Photo 5). The existing section consists of curb and gutter from Alcorn Street approximately 83 meters north. There is also an existing 1-meter-wide sidewalk segment that is adjacent to the curb and gutter section that spans over the Jennings Creek culvert.

The option for the 2b section would be the excavation and removal of existing material to install a new 1.8-meter concrete sidewalk. This is achievable now as it

does not conflict with future urbanization plans. It would involve the removal of the existing 1-meter sidewalk and guide rail, excavation for and installation of a new 1.8-meter sidewalk and movement and installation of new guide rail.

The approximate cost would be \$60,000.00

Photo 5



Section 3 – Blue Section - Alternative route for Section 1

The highlighted Blue section identified as section 3, outlines an alternative route for pedestrians to access south of the north leg of Springdale Drive back to Angeline Street North.

This route would utilize the existing built sidewalk infrastructure that has been put in place through development. This route would eliminate the need to build option 1 identified in red on the map, prior to the future urbanization of this section.

Recommendation:

Staff recommends to utilize the existing sidewalk as identified as section 3 (in blue) in order to move pedestrians from Springdale Drive (north leg) to Springdale Drive (south leg) and budget for the construction of 83m asphalt shoulder (2a) and an 89m concrete sidewalk (2b) in the upcoming 2021 budget process.

Cost of **\$75,000.00** to be referred to the 2021 Budget Process for consideration in keeping with Council Resolution **CW2020-094**.

Resolution:

That the construction of an asphalt shoulder / concrete sidewalk between Alcon Drive and Springdale Drive (south leg) be considered in the 2021 Capital Budget as a decision unit in the amount of **\$75,000.00**.

Other Alternatives Considered:

In addition, Council could choose to construct a pathway along Section 1, on the east side of Angeline Street North, from Springdale Drive (north leg) to Springdale Drive (south leg), either behind the existing ditch line (\$55,00) or adjacent to the road (\$45,00).

If so, the following additional resolution could be considered:

That an additional **\$55,000** (or **\$45,000**) for an asphalt pathway along the east side of Angeline Street North from Springdale Drive (north leg) to Springdale Drive (south leg) be considered in the 2021 Capital Budget.

Financial/Operation Impacts:

Section 1:

- 233m of asphalt shoulder (1.5m wide) adjacent to the road - \$45,000

Or

- 165m of asphalt pathway behind existing road ditch and 68m of asphalt shoulder (1.5m wide) adjacent to the road (total of 233m) – \$55,000.00

(Recommend that Section 1 is not required as there is an existing internal sidewalk for pedestrian movement)

Section 2a:

- 83m of asphalt shoulder (1.5m wide) adjacent to the road - \$15,000.00

Section 2b:

- 89m – 1.8m wide concrete sidewalk - \$60,000.00

Total recommended cost of \$75,000.00 (section 2a and 2b) to be considered in the 2021 Capital Budget.

Relationship of Recommendations To The 2020-2023 Strategic Plan:

The recommendations set out in this Report would conserve City resources for actions that would support any of the four priorities in the Strategic Plan, being:

- A Vibrant and Growing Economy
- An Exceptional Quality of Life
- A Healthy Environment
- Good Government

Review of Accessibility Implications of Any Development or Policy:

N/A

Servicing Implications:

N/A

Consultations:

N/A

Attachments:

Appendix A – Memorandum from Councilor Dunn



Councillor Dunn
Memorandum - Exte

Appendix B – Angeline Street North Construction Drawings



Angeline Street
North Reconstructio

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Department File: