



The Corporation of the Town of Milton

Report To: Council

From: M. Paul Cripps, P. Eng., Commissioner, Engineering Services

Glen Cowan, Chief Financial Officer/Treasurer

Date: February 11, 2019

Report No: ENG-005-19

Subject: Louis St. Laurent (Yates to Fourth Line) – Design Report & Delegated Authority to Award Construction Tender

Recommendation: **THAT Council approve the design for the construction of Louis St. Laurent (from Yates Drive to Fourth Line) to a four lane urban standard;**

AND THAT Council authorize delegated authority to award the tender for the construction of Louis St. Laurent Avenue (from Yates Drive to Fourth Line);

AND THAT the Manager, Purchasing and Risk Services be authorized to execute the contract(s), as outlined by the purchasing by-law, and the Mayor and the Town Clerk be authorized to sign any other required paperwork.

EXECUTIVE SUMMARY

The Town of Milton's Official Plan identifies Louis St. Laurent Avenue as an arterial road that will service transportation needs to support development associated with the Boyne Secondary Plan.

It is proposed to widen the road to a four-lane, center median divided urban cross section. The design includes roundabouts at both legs of Kennedy Circle and updated signalized intersections at Thompson Road and Ferguson Drive.

An early spring 2019 construction start date is anticipated, with construction expected to be completed to base conditions by December 20, 2019. In order to facilitate an early



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spring construction start, delegated authority to award the tender for this construction contract is also being recommended.

REPORT

Background

Louis St. Laurent from Yates Drive to Fourth Line is identified in the Boyne transportation study as a capital improvement necessary to support development. The road is currently built to a two-lane urban section; this design is to complete the widening and urbanization of Louis St. Laurent to a 35m – four-lane cross section.

Discussion

General Design

Louis St. Laurent Avenue from Yates Drive to Fourth Line will be widened to a four lane urban cross section. The proposed roadway will provide four lanes of through traffic and will be center median divided, limiting the amount of left turns.

The Boyne Secondary Plan Survey Road Network Assessment (Boyne RNA), dated September 2017, identifies by what means each intersection of Louis St. Laurent Avenue is to be completed. The design of the road reflects the recommendations of the Boyne RNA, which includes roundabout intersections at both the east and west legs of Kennedy Circle. The roundabouts will provide efficient movement of traffic throughout this section. Currently, the intersections of Freeman Trail and Fourth Line with Louis St. Laurent are stop controlled, and provide full moves access to Louis St. Laurent. However, the Boyne RNA identifies that the intersections at Freeman Trail and the intersection at Fourth Line be modified to provide right in/right out access only. This limits the amount of left turns on Louis St. Laurent Avenue to improve traffic movement/flow. The intersection of Freeman Trail and Louis St. Laurent will be modified to right in/right out access only.

As the development on the south side of Louis St. Laurent has not occurred, the extensions of planned collector roads to accommodate traffic travelling north/south have not yet been completed; therefore, the intersection of Fourth Line and Louis St. Laurent will be temporarily signalized in this design. This intersection will be modified to right in/right out as intended in the Boyne RNA in the future when the north/south collector roads are complete and operational. The intersections located at Thompson



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Road and Ferguson Drive are to remain signalized with upgrades to the signals as per current Town standards.

Drainage for the road is provided through the existing storm sewer system in place on Louis St. Laurent. This storm sewer system outlets to existing storm water management ponds that were sized accordingly for the proposed widening of Louis St. Laurent. The additional storm water runoff from the proposed road widening will be treated for both quantity and quality controls, in line with Town Standards.

Land

The project requires a widening of the existing road allowance from the current 17.5m road allowance to 35m to accommodate the proposed design. Land required for the widening will be acquired through conveyances from the developers in the vicinity, through the Boyne financial agreement.

During the early design stage, concerns were raised regarding the status of a mature Oak tree grove located on south side of the existing Louis St. Laurent road allowance. Negotiations with the adjacent landowner occurred and we were able to acquire additional land, at no cost to the Town, to shift the road to the south to accommodate a wider median in order to preserve the Oak tree grove in our design.

Construction

It is anticipated that construction will commence in April 2019 and will be completed to base conditions by December 20, 2019. In order to execute this work safely, lane closures on Louis St. Laurent will be required on a daily basis, with one lane of traffic maintained at all times and two lanes open at the end of each construction day. Access to all residences and emergency services will be maintained during construction.

Subject to Council approval of Report ENG-005-19, the Town of Milton will be issuing a tender for the reconstruction and widening of Louis St. Laurent Avenue (Yates to Fourth Line) on February 20, 2019. Staff will endeavor to have the tender award ready for a Council decision at the March 25 Council meeting. However, in case there are any delays in the tender process, staff is recommending delegated authority to proceed with the award of the construction tender in order to ensure an early spring construction start. Should this delegated authority be utilized, staff will report the results back to Council for information.



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Financial Impact

The budgeted expenditures and funding for the construction on Louis St. Laurent Avenue (Yates to Fourth Line) is provided for in the following 2018 and 2019 capital budgets:

- C34003318 Louis St. Laurent (Yates to Thompson) - \$3,875,592
- C34003619 Louis St. Laurent (Vickerman Way to Fourth Line) - \$7,481,475

The financial impact associated with the award of the tender will be reported to Council either through the March 25 Council meeting or through delegated authority, at the Council meeting following award

Respectfully submitted,

M. Paul Cripps, P. Eng.
Commissioner, Engineering Services

Glen Cowan
Chief Financial Officer/ Treasurer

For questions, please
contact:

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Attachments

None

CAO Approval
William Mann, MCIP, RPP, OALA, CSLA, MCIF, RPF
Chief Administrative Officer