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Date: March 16, 2017

To: Mayor and Council

Author: Ken Vegh, CRS
Kevin Girard, P. Eng.

RE: Bridge Replacement over the Patterson Drain

Report No.: MS 2017-15

AIM

To appoint N.J. Peralta Engineering Inc. to prepare an engineer's report to install a replacement bridge over the Patterson Drain on Kingsville Road 10 East under Section 78 of the *Ontario Drainage Act*.

BACKGROUND

In 2013-2014 the Municipal Services Department contracted Dillon Consulting to conduct a Bridge and Culvert Needs study. This report summarized the findings of the study and identified required improvements to the structures which are deficient or will become deficient within the ten year study period. The study revealed that 22 structures of the 52 total, have needs that should be addressed with in the 10 year study period with 7 of these structures with identified needs that should be addressed within the next 5 years. Using the information provided in the study, the Municipal Services Department set out a schedule for the rehabilitation for the structures outlined by Dillon Consulting. The two structures that are scheduled for rehabilitation in 2018 are the Road 10 Bridge over the Patterson Drain (Bridge #14) and the Road 5W Bridge over the West Townline Drain (Bridge #30).

DISCUSSION

As per Section 78 of the *Drainage Act*, Council must appoint an engineer and the corresponding bylaw must be passed when constructing or reconstructing bridges within a drainage works.

LINK TO STRATEGIC PLAN

Provide safe, adequate and affordable municipal services and infrastructure.

FINANCIAL CONSIDERATIONS

The approved 2017 Capital Budget outlines the estimated costs for the engineering and approvals for the Road 10 Bridge over the Patterson Drain in the amount of \$33,000.

CONSULTATIONS

A Species at Risk study is to be performed to satisfy the Ministry of Natural Resources requirements.

Essex Region Conservation Authority and Department of fisheries and Oceans approvals must be met before construction of the bridge is to begin.

RECOMMENDATION

It is administrations recommendation that Council appoint N.J. Peralta Engineering Inc. to prepare an engineer's report for the construction of a replacement bridge over the Patterson Drain on Kingsville Road 5 East.

Ken Vegh

Ken Vegh, CRS
Drainage Superintendent

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