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Date: June 26, 2017
To: Mayor and Council
Author: Kevin Girard, Manager of Municipal Services
RE: Bridge and Culvert Inspections
Report No.: MS 2017-27

AIM

To provide Council with details in regards to bridge and culvert inspections that the Town is legislatively required to conduct.

BACKGROUND

In 2013, Dillon Consulting was obtained to conduct a bridge and culvert needs study which was completed in 2015. This study summarized the findings of the inspections conducted and identified improvements to the structures that were deficient or will become deficient within a ten year span.

DISCUSSION

As part of the *Highway Traffic Act* (Section 123(2)) and the *Bridges Act* (Section 2), regulations are outlined for municipal structures. Under the *Public Transportation and Highway Improvement Act*, inspections and evaluations of bridges shall conform to standards set out by the Ministry of Transportation in the following manuals (or equivalent):

- Structure Manual
- Structure Rehabilitation Manual
- Drainage Manual
- Roadside Safety Manual
- OPSS for Roads and Municipal Services
- Ontario Structure Inspection Manual (OSIM)
- Highway Traffic Act
- Ontario Highway Bridge Design Code (OHBDC)

The Town currently has an inventory of thirty-six (36) bridges and sixteen (16) culverts over the span three (3) metres as defined in the *Ontario Structure Inspection Manual (OSIM)*. The Town of Kingsville is responsible for ensuring that these structures are being kept safe and in good repair. This is completed by conducting regular bridge inspections biennially in accordance with the *Ontario Structure Inspection Manual (OSIM)*.

Municipal Services is preparing to obtain a Consulting Engineer through the Town's Request for Proposal (RFP) process in accordance with the current procurement policy.

LINK TO STRATEGIC PLAN

Provide safe, adequate and affordable municipal services and infrastructure.

FINANCIAL CONSIDERATIONS

The current DC Background Study includes funding for a Bridge and Culvert Study. At the time of setting the DC Study, the estimated cost for the Bridge and Culvert Study was \$25,000, of which \$16,750 was attributed to growth. The cost of a Bridge and Culvert Study in today's dollars amounts to approximately \$30,000. Funding can be taken from the development charges to offset this cost leaving a remaining balance of approximately \$13,250 which will require funding. This remaining balance will be funded through the Public Works approved operational budget for "Bridge/Culvert Inspections" which has allocated \$15,000 for 2017.

CONSULTATIONS

Municipal Services
Financial Services

RECOMMENDATION

That Council approves administration to proceed with the tendering for services to complete a Bridge and Culvert Study; and

That Council approves the transfer from the Development Charges Reserve in the amount of \$16,750 to be applied against the cost of the Bridge and Culvert Study.

Respectfully Submitted,

Kevin J. Girard

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G.A Plancke

G.A Plancke, Civil Eng. Tech (Env)
Director of Municipal Services

Peggy Van Mierlo-West

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Chief Administrative Officer