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April 18, 2018

Jeff Wolfe, C. Tech.
Asset Management/Engineering Specialist, Public Works
Town of St. Marys – Municipal Operations Centre
408 James St. South., Box 998
St. Marys, ON N4X 1B6

Dear Sir

Re: Bridge Inspections for Flood Damage

At your request, we reviewed six of the bridges of St. Marys for potential damage resulting from the flood flows that occurred about February 20, 2018. The inspection was done on April 10, 2018 when the river flow was down to only 14 cms (UTRCA). The inspection was done by the undersigned using chest waders, personal floatation device and range pole. Observations were compared to those from the last biennial inspection done in October, 2017.

The bridges inspected are as follows:

- Church St. over Trout Creek
- Wellington St. over Trout Creek
- Water St. over Trout Creek
- Queen St. over Thames River
- Park St. over Thames River
- Water St. South culvert near cement plant entrance

In particular, each site was reviewed for scour of base soils that might affect foundations; missing stones or concrete; impact damage on structural members from debris; misaligned structural members.


None of these problems were observed. In some cases, defects were photographed and compared to photographs from October 2017 and there was no noticeable difference that might suggest damage from the February flood.

We conclude that no damage occurred to the bridges of St. Marys and no new recommendations are made beyond those from the 2017 report.



Yours very truly

B. M. ROSS AND ASSOCIATES LIMITED

Per 
A.I. Ross, P.Eng.

AIR:es