KRESIN
Engineering Corporation

536 Fourth Line East
Sault Ste. Marie, ON P6A 6J8
tel: 705-949-4900

email: info@kresinengineering.ca
sustainable, practical solutions

January 8, 2025
KEC Ref. 2477
By e-mail

Attention: Natashia Roberts, CAO/Clerk
Municipality of Huron Shores
7 Bridge Street
Iron Bridge, ON, P0R 1H0

Re: Dean Lake Road Bridge: Recommendation for Bridge Closure

Dear Ms. Roberts:

As requested by the Municipality, Kresin Engineering Corporation (KEC) has initiated a review of the existing Dean Lake Road Bridge and relevant available historical documentation in order to develop recommendations for rehabilitation. To assist with this undertaking, the Municipality of Huron Shores (Municipality) has provided copies of various reports and correspondence. In October 2024, KEC staff also attended at Dean Lake Road Bridge with Municipal staff to carry out a brief overview of the structure and to discuss historical operation, maintenance and rehabilitation events.

Documentation provided by the Municipality includes: 1) Load evaluation report completed in 2020; 2) Biennial inspection reports for 2021 and 2023; and, 3) Steel and concrete testing report completed in 2024.

Following our in-house review of the above, KEC has forwarded copies of the relevant information to two specialist sub-consultants for additional input and opinions. Based on all of the available information, it is our opinion that the condition of the existing structure is in a state of deterioration which poses a risk to the safety of its users.

It is our recommendation that the Dean Lake Road Bridge be closed to all traffic effective immediately.

A detailed inspection and evaluation of the structure is required to confirm the extent of deterioration and determine the repairs necessary to re-open the bridge and maintain public safety. KEC is working to develop a comprehensive plan and schedule for the detailed inspection.

Should you have any questions or require clarification, please call.

Thank you.

Yours Very Truly,
Kresin Engineering Corporation

Michael Kresin, P. Eng.
Consulting Engineer
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