

February 5, 2025

KEC Ref. 2477

Via email

Attention: Natasha Roberts, CAO/Clerk

Municipality of Huron Shores

7 Bridge Street

Iron Bridge, ON, P0R 1H0

Re: Dean Lake Road Bridge: Project Status Update

Dear Ms. Roberts:

We are pleased to provide this letter outlining the status of work on the Dean Lake Road Bridge.

The fieldwork for the detailed inspection was completed over two days in late January: Thursday the 23rd and Friday the 24th. Staff from KEC, along with specialist bridge inspectors, were able to access many critical areas of the structure at arms length. Other areas were viewed and documented using an aerial drone equipped with a high-resolution camera.

It is noted that the observations made during the detailed inspection confirm that the bridge closure is warranted.

Measurements recorded during the inspection, including the reduced thickness of severely corroded steel elements, are being used to develop a detailed computer model of the bridge structural system. The model will allow analyses for various loading conditions, the results of which will identify the specific areas of weakness which will need to be addressed prior to reopening.

It is our goal to identify potential short-term repairs which can be quickly implemented and have the bridge re-opened for passenger vehicles at the earliest opportunity.

The analyses are scheduled to be carried out over the next few weeks, following which, we will provide another status update. In the meantime, should you have any questions, please do not hesitate to contact our office.

Yours Very Truly,

Kresin Engineering Corporation



Michael Kresin, P. Eng.

Consulting Engineer

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