

February 26, 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 project status update regarding the Dean Lake Road Bridge.

Following the completion of field work in January, the information gathered was used to develop a detailed computer model of the bridge superstructure for analysis. The structure was evaluated following the provisions of Section 14 of the latest edition of the Canadian Highway Bridge Design Code (CHBDC) to determine its traffic load capacity.

Initial results of the analyses indicate that the load carrying capacity of the bridge is currently governed by the condition of the truss bottom chords near their bearing locations at the abutments/piers. These locations on the trusses were observed to exhibit severe corrosion with substantial loss of section (i.e. the thickness of sound metal has been reduced). Deterioration was also observed throughout the structure.

Analysis tasks are ongoing in order to confirm the extent of repairs required to allow re-opening of the bridge.

A final report on the detailed inspection and analysis is being prepared, which we anticipate will be completed prior to the end of March 2025. 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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