



SAFETY CRITICAL REPORT 2014 - 001

Site: 000310
Address: Old Lakeshore Road Over Cull Drain Bridge
Inspected By: M. Serban
Inspection Date: July 31, 2014

Attention: Robert Williams, Construction Manager

URGENT ACTION REQUIRED – This superstructure should be removed immediately. Partial or total collapse may occur even as a result of high winds.

The bridge is currently closed to pedestrian/vehicular traffic; however, the underside can still be accessed from all four corners and from the water. Apart from the obvious hazard to public safety, collapse would also block the waterway which is at least partially navigable.

All warning signs at the east are in poor condition and some of the signs at the west are also damaged (graffiti).



The bottom chords are completely severed at the west end while at the east they are almost completely severed. The top chords are buckled.



Stringers at the east end are in very poor condition as is the concrete deck which poses at the very least an overhead falling debris hazard.



Both end sections of the deck have dropped together with the floor beams on the bearing seats as the floor beams are completely detached from the truss (failure of these deck sections could trigger collapse of the entire superstructure). The east section of the deck is in an advanced state of deterioration.



The northeast bearing seat has failed and the northeast wing wall should be partially removed as well.



If you have any questions regarding the contents of this report please do not hesitate to contact the undersigned.

Respectfully submitted by;

Engineered Management Systems Inc.

A handwritten signature in black ink, appearing to read 'M. C. Wallrap'.

M. C. Wallrap, P. Eng.
President

