

QC-7121

IAN 5670 km

2018 Inspection



CBR iPad Offline Ver

CBR Data

Latitude	Longitude
53°51'36.2"	-132°25'56"
Crossing Name	Unknown
FSR #	10824
Branch #	37
Road Name	IAN 5670
User km	
Current Load Rating (tonnes)	150
Structure Class	Temporary Bridge
Portable	Y
Superstructure	Steel I-beam
Deck Type	Steel
Abutment Left	Sill -Temporary Materials
Abutment Right	Sill -Temporary Materials
Spans	1
Total Length (m)	15.3
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
53°51'36.15"	-132°25'55.59"
HD Diff. (m)	7.6
Accuracy (m)	5

Inspection

Date of Inspection 2018-09-19 10:36:06 AM

Inspector Name Robert Kemmler

Inspector Comments Serial/ID Plate None

Recommended Next Inspection Year 2020

Inspection Company Onsite Engineering

Downstream half of this structure is in poor condition. Girders have significant damage to the bottom flanges. Recommend P.Eng inspection and full measure up of structure to determine the extent of the damage and if a new load rating should be determined.

P.Eng Comments

Load Rated by: MFLNRO, J. Harvey P.Eng., February 5, 2018

Load Rating: 0 Tonnes GVW

Next Inspection: September 1, 2020

Comments: Professional detailed inspection required



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Approach

Alignment Fair

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required N

Delineator Missing
Left ☐ 0 ☐ 1 ☒ 2Delineator Missing
Right ☐ 0 ☐ 1 ☒ 2

Fender Condition Poor Missing on Left approach, knocked off on Right approach

Posted Load Rating 0 Not posted.

Road Surface Fair

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Concrete N/A

Caps or Sills Good

Piles or Posts N/A

Ballast Wall Good

Wing Wall N/A

Bracing N/A

Hardware N/A

Fill Good

Riprap Good

Bearings Fair Right side down stream has settled due to timber shim rotting.

Corrosion Protection N/A

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Deck

Running Surface	Fair	
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	N/A	
Grout Pockets	N/A	
Deck Joints	Fair	
Steel Deck Plate	Fair	Showing signs of weathering.
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Poor	Damaged and missing W-beam.
Hand Rails/Walkouts	N/A	
Hardware	Fair	
Overall Deck Condition	Poor	Due to guard rails.
Gravel Depth (mm)	0	

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Steel/ConcreteGirders **Poor**

Damage to downstream half of structure, both girders have bottom flange damage, downstream girder appears to have a deformation (upwards) just beyond midspan on the left

Diaphragms **Fair**Bracing **Fair**Under Trussing **N/A**Hardware **Fair**Welded/grouted shear connectors **N/A****Log**

Log Curbs

Needle Beam

Needle Lashing/
Shimming

Stringer Number	Needle Beam to Crib (m)		Diameter (mm)	Needle Diameter (mm)		
	Species	Peeled		Rot Depth (mm)	Condition	Comment

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Hazards

Estimated Present Water Level Depth (m)	0.4	High Water	Debris
Estimated Present Water Level Width (m)	5.0	Aggradation	Scour
Estimated High Water Level Clearance (m)	3.0	Ice	

Comments

Repairs and Monitoring

Repair

Item Priority

Repair Description

- | | | |
|---|--------|--|
| 1 | High | Repair guard rails and risers prior to industrial activity. |
| 2 | Medium | Install bridge ahead signs and delineators on both approaches. |
| 3 | | |

Item

Monitor Description

Frequency

- | | | |
|---|--|-------|
| 1 | Continue to monitor the downstream half of this structure during regular inspections or upon resuming industrial activity. | Other |
| 2 | | |
| 3 | | |

Sketch
(Select Signature)