

QC-7906

QC_LOO3000 1.3km

2019 Inspection

CBR iPad Offline Ver



CBR Data

Latitude	Longitude		
53°40'4.9"	-132°7'11.4"		
Crossing Name	Not Known		
FSR #	10530	Branch #	01
Road Name	QC_LOO3000		
User km	1.3		
Previous Load Rating (tonnes)	136		
Structure Class	Permanent Bridge		
Portable	N		
Superstructure	Steel I-beam		
Deck Type	Concrete		
Abutment Left	Steel Pipe and Precast Pad		
Abutment Right	Steel Pipe and Precast Pad		
Spans	1		
Total Length (m)	15.3		
Deck Width (m)	4.9		

Updated Data

Latitude	Longitude	
°0'0"	°0'0"	
HD Diff. (m)	5974297.5	Accuracy (m)

Inspection

Date of Inspection 2019-09-07 12:54:20 PM

Recommended Next Inspection Year 2022

Inspector Name Lindsey McGill

Inspection Company Chartwell Consultants Ltd.

Inspector Comments Serial/ID Plate N/A

Some rot in guardrails and minor scaling noted on steel components.

P.Eng Comments

Load Rated by: FLNRORD, J. Harvey P.Eng., February 13, 2020

Load Rating: 136 Tonnes GVW

Next Inspection: September 1, 2022

Comments:



P.Eng Seal

QC-7906

QC_LOO3000 1.3km

2019 Inspection



CBR iPad Offline Ver

Approach

Alignment Good

Steep favourable hill on high chain approach.

 Bridge Ahead Signs Missing ☐ 0 ☒ 1 ☐ 2

Brushing Required N

 Delineator Missing Left ☒ 0 ☐ 1 ☐ 2

 Delineator Missing Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Poor

Guidelogs require replacement

Posted Load Rating

None present

Road Surface Good

Small pothole on low chain approach, easily repaired with grader.

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Pier N/A

Concrete Fair

Welded ballast walls.

Caps or Sills N/A

Piles or Posts Fair

Appear to have been painted but is wearing.

Ballast Wall Fair

Welded to ends of girders.

Wing Wall Fair

Integrated with ballast.

Bracing Fair

Bolted

Hardware Fair

Fill Fair

Riprap Good

Bearings Fair

Minor deformation on left bank abutment, not significant.

Corrosion Protection Poor

Scaling on girders, not severe. Paint on steel posts is worn and largely ineffective. No major

QC-7906

QC_LOO3000 1.3km

2019 Inspection



CBR iPad Offline Ver

Deck

Running Surface	N/A	Small pothole on low chain approach, easily repaired with grader.
-----------------	-----	---

Running Planks	N/A
----------------	-----

Sub Deck	N/A
----------	-----

Ties	N/A
------	-----

Nails	N/A
-------	-----

Deck to Girder Bolts

Concrete Deck	Fair	Material accumulating on deck - clean debris off deck. Evidence of patching with grout to underside on deck on right bank abutment.
---------------	------	---

Grout Pockets	Fair
---------------	------

Deck Joints	Fair
-------------	------

Steel Deck Plate	N/A
------------------	-----

Gravel Surface	N/A
----------------	-----

Curb Rail/Blocks/Posts	Fair	Downstream right bank guardrail has been impacted. Still functional but should be replaced prior to industrial activity. Entire guardrail arrangement should be replaced in
------------------------	------	---

Hand Rails/Walkouts	N/A
---------------------	-----

Hardware	Fair
----------	------

Overall Deck Condition	Fair
------------------------	------

Gravel Depth (mm)

Pier Deck

QC-7906

QC_LOO3000 1.3km

2019 Inspection

CBR iPad Offline Ver

**Steel/Concrete**

Girders Fair Minor scaling and corrosion

Diaphragms Fair

Bracing Fair Bolted

Under Trussing N/A

Hardware Fair

Welded/grouted
shear connectors N/A**Log**

Log Curbs

Needle Beam

Needle Lashing/
Shimming

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

QC-7906

QC_LOO3000 1.3km

2019 Inspection

CBR iPad Offline Ver



Hazards

Estimated Present Water Level Depth (m)	.15	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	4.5	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	2.3	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	Medium	Replace guardrails and risers in 3 years or less, or patch replacement prior to next industrial activity.
2	Low	Clear accumulated debris off deck.
3		

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Upstream from Crossing



Downstream from Crossing



Deck

Left Bank Abutment when facing downstream



Guard Rail



Upstream Profile



Right Bank Abutment when facing downstream



QC-7906

QC_LOO3000 1.3km

2019 Inspection

CBR iPad Offline Ver



Approach from Left Bank when facing downstream



Downstream Profile



QC-7906

QC_LOO3000 1.3km

2019 Inspection

CBR iPad Offline Ver



QC-7906

QC_LOO3000 1.3km

2019 Inspection



CBR iPad Offline Ver