

QC-7803

LOON SOUTH FSR 2.8km

2015 Inspection



CBR iPad Offline Ver 0.21

CBR Data

Latitude	Longitude		
53°42'26.49"	-132°6'5.2"		
Crossing Name	Purdy Creek		
FSR #	9419	Branch #	9
Road Name	LOON SOUTH FSR		
User km	2.8		
Current Load Rating (tonnes)	91		
Structure Class	Permanent Bridge		
Portable	N		
Superstructure	Steel I-beam		
Deck Type	Concrete		
Abutment Left	Pile -Permanent Materials		
Abutment Right	Pile -Permanent Materials		
Spans	1		
Total Length (m)	22		
Deck Width (m)	4.8		

Updated Data

Latitude	Longitude		
53°42'26.4"	-132°6'5.72"		
HD Diff. (m)	10.0	Accuracy (m)	5

Inspection

Date of Inspection 2015-10-04 8:11:35 AM

Inspector Name Rick MacDonald

Inspection Company Chartwell Consultants Ltd.

Inspector Comments

timber Guardrails should be replaced. Improvements required to support toe of approach fills. Road grade on south approach very narrow due to loss of approach fill. Approaches not wide enough for guide logs.


P.Eng Comments

Load Rated By: MFLNRO, Richard Mills P.Eng., Dec 1, 2015

Load Rating: L100 or 91 tonnes

Next Inspection: Sept 1, 2018

Comments: Improve road approaches so that guardlogs can be installed. Replace guardlogs and guardrails.



P.Eng Seal



Approach

Alignment **Good**

Bridge Ahead Signs Missing 0 1 2

Brushing Required **Y**

Delineator Missing Left 0 1 2

Delineator Missing Right 0 1 2 **Downstream side**

Fender Condition **Poor** **Guide logs have been pushed off road, likely by grader.**

Posted Load Rating **90000** **posted**

Road Surface **Good**

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete

Caps or Sills **Good** **Double steel I-Beam on 4 steel piles**

Piles or Posts **Good**

Ballast Wall **Good**

Wing Wall **Good**

Bracing

Hardware

Fill **Poor** **Fill leaking out below wingwalls. Poor support of fill toe.**

Riprap **N/A** **Abutments set well back from stream away from wetted perimeter.**

Bearings **Good**

Corrosion Protection

Deck

Running Surface	Good	
Running Planks		
Sub Deck		
Ties		
Nails		
Deck to Girder Bolts	Good	
Concrete Deck	Good	
Grout Pockets	N/A	
Deck Joints	Good	
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Poor	Extensive rot in Guardrails and connecting blocks.
Hand Rails/Walkouts		
Hardware		
Overall Deck Condition	Good	
Gravel Depth (mm)		

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Hazards

Estimated Present Water Level Depth (m)	0.5	High Water	<input type="checkbox"/>	Debris	<input type="checkbox"/>
Estimated Present Water Level Width (m)	6.0	Aggradation	<input type="checkbox"/>	Scour	<input type="checkbox"/>
Estimated High Water Level Clearance (m)	3.5	Ice	<input type="checkbox"/>		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Replace guardrails
2	High	Improve support for toe of approach fills, flair our road on approaches so that guide logs can be installed
3		Install guide logs and reinstall delineator.

Item	Monitor Description	Frequency
1	Log crib supporting fill below left abutment piles	Routine Inspection
2		
3		

Sketch
(Select Signature)

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Approach from Right Bank when facing downstream



Right Bank Abutment when facing downstream



Guard Rail



Left Bank Abutment when facing downstream

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Downstream Profile



Left Bank Abutment when facing downstream