QC-7857	Lawn North 9.35km	2019 Inspection

CBR iPad Offline Ver

CBR Data

Latitude	Longitude
53°25'58.59"	-131°59'42.9"

Crossing Name	Unknown
FSR #	10118
Branch #	01
Road Name	Lawn North
User km	9.35
Previous Load Rating (tonnes)	10
Structure Class	Temporary Bridge
Portable	N
Superstructure	Log Stringers
Deck Type	Gravel
Abutment Left	Sill -Temporary Materials
Abutment Right	Sill -Temporary Materials
Spans	1
Total Length (m)	11
Deck Width (m)	5

Updated Data

Latitude	Longitude
53°25'58.83"	-131°59'44.07"

HD Diff. (m)	22.6	Accuracy (m)	5
	1		
	9		
	5.6		

Inspection

Date of Inspection	2019-09-07 3:24:48 PM	Recommended Next Inspection Year	2022
Inspector Name	Lindsey McGill	Inspection Company	Chartwell Consultants Ltd.

Inspector Comments Serial/ID Plate

Appears to be generally well built. Since spruce stringers are not peeled, expect a reduced lifespan for crossing. Additional set of brow logs placed on inside of pinned brow logs acting to minimize overall road width. Updated total length is actually the Center-Center span
(c/c=9.0m, o/a=11.0m).

P.Eng Comments

Load Rated by: FLNRORD, J. Harvey P.Eng., February 13, 2020
Load Rating: 136 Tonnes GVW
Next Inspection: September 1, 2021
Comments: Updated load rating from recent stringer measurements

P.Eng Seal

QC-7857	Lawn North 9.35km	2019 Inspection

CBR iPad Offline Ver

Approach

Alignment	Good	
Bridge Ahead Signs Missing	○ 0 ● 1 ○ 2	
Brushing Required	N	
Delineator Missing Left	● 0 ○ 1 ○ 2	
Delineator Missing Right	● 0 ○ 1 ○ 2	
Fender Condition	Fair	
Posted Load Rating	10	This sign is old and was removed by the inspector.
Road Surface	Good	

Abutment

Log/Timber Cribs	Good	Single spruce sill logs
Tie Backs	N/A	
Bin Wall	N/A	
Pier	N/A	
Concrete	N/A	
Caps or Sills	N/A	
Piles or Posts	N/A	
Ballast Wall	N/A	
Wing Wall	N/A	
Bracing	N/A	
Hardware	Good	Drill steel visible on corners of brow logs
Fill	Good	
Riprap	Good	Large diameter riprap that is angular. Stream is relatively slow moving.
Bearings	Good	Stringers bear level on sills.
Corrosion Protection	N/A	

Deck

Running Surface	Good	
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	N/A	
Steel Deck Plate	N/A	
Gravel Surface	Good	Fill is coarse rock but no concerns (6” minus)
Curb Rail/Blocks/Posts	Good	Spruce logs
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Good	
Gravel Depth (mm)	500	

Pier Deck

Steel/Concrete

Girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted shear connectors

Log

Log Curbs: Good

Needle Beam: N/A

Needle Lashing/ Shimming

Stringer Number	Needle Beam to Crib (m) Species	Peeled	Needle Diameter (mm) Diameter (mm)	Rot Depth (mm)	Condition	Comment
1	Sp	N	880	0	Fair	Lots of knots present
2	Sp	N	940	0	Fair	Some spiral twist prsent
3	Sp	N	785	0	Good	
4	Sp	N	780	0	Good	A few knots present
5	Sp	N	825	0	Good	
6	Sp	N	795	0	Good	
7	Sp	N	755	0	Good	
8	Sp	N	800	0	Good	
9	Sp	N	755	0	Good	

QC-7857	Lawn North 9.35km	2019 Inspection

CBR iPad Offline Ver

Hazards

Estimated Present Water Level Depth (m)	.3	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	3	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	1.0	Ice ☐	

Comments: No stringers are peeled but they are all new within the last year or so. Ends of stringers appear to be gut lashed with old haulback cable. Browlogs are secured with drift pins at each end.

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	Install proper signage for load rating
2		
3		

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)

QC-7857 | Lawn North 9.35km | 2019 Inspection

CBR iPad Offline Ver

Upstream from Crossing

Approach from Left Bank when facing downstream

Downstream from Crossing

Left Bank Abutment when facing downstream

Approach from Right Bank when facing downstream

Upstream Profile

Right Bank Abutment when facing downstream

Downstream Profile

Stringers