QC-7133	CHADSEY MAIN 2.5km	2017 Inspection

CBR iPad Offline Ver

CBR Data

Latitude	Longitude
53°0'12.09"	-131°58'29.1"

Crossing Name	Unknown
FSR #	10843
Branch #	1
Road Name	CHADSEY MAIN
User km	2.5
Current Load Rating (tonnes)	5
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)	8.2
Deck Width (m)	5.5

Updated Data

Latitude	Longitude
53°0'12.04"	-131°58'29.04"

HD Diff. (m)	2.2	Accuracy (m)	5
	Temporary Bridge		
	N		

Inspection

Date of Inspection	2017-09-12 10:13:32 AM	Recommended Next Inspection Year	2018
Inspector Name	Mitch Lowe	Inspection Company	Onsite Engineering Ltd

Inspector Comments

Suggest replacing with another log bridge due to approach constraints. Abutment require upgrades, but may be able to reuse stringers.

P.Eng Comments

Load Rated by: MFLNRO, J. Harvey, November 7, 2017
Load Rating: 5 Tonnes GVW
Next Inspection: September 1, 2020
Comments:

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
J. E. HARVEY
33433
November 8 2017

P.Eng Seal

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Approach

Alignment	Fair	Structure is in a steep vertical alignment.
Bridge Ahead Signs Missing	○ 0 ○ 1 ● 2	
Brushing Required	Y	
Delineator Missing Left	○ 0 ○ 1 ● 2	
Delineator Missing Right	○ 0 ○ 1 ● 2	
Fender Condition	Poor	No approach barriers
Posted Load Rating		Not posted
Road Surface	Good	

Abutment

Log/Timber Cribs	N/A	
Tie Backs		
Bin Wall		
Concrete		
Caps or Sills	Fair	Large Cw sills
Piles or Posts		
Ballast Wall		
Wing Wall		
Bracing		
Hardware	Unrated	N/A
Fill		
Riprap	Poor	Left bank abutment is eroding on downstream side
Bearings	Fair	
Corrosion Protection		

Deck

Running Surface	Fair	
Running Planks	N/A	
Sub Deck	N/A	
Ties	Unrated	N/A
Nails	Unrated	N/A
Deck to Girder Bolts	Unrated	N/A
Concrete Deck	Unrated	N/A
Grout Pockets	N/A	
Deck Joints	N/A	
Steel Deck Plate	N/A	
Gravel Surface	Fair	
Curb Rail/Blocks/Posts	Unrated	N/A
Hand Rails/Walkouts	Unrated	N/A
Hardware		
Overall Deck Condition	Fair	Hole on woods upstream end of deck
Gravel Depth (mm)	.6	

Steel/Concrete

Serial/ID Plate

Girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted shear connectors

Log

Log Curbs Fair

Needle Beam

Needle Lashing/ Shimming Poor No lashing

Needle Beam to Crib (m) | Needle Diameter (mm)

Stringer Number	Species	Peeled	Diameter (mm)	Rot Depth (mm)	Condition	Comment
1	Cw	Y	770	50	Poor	Large cat face
2	Cw	Y	420	50	Fair	
3	Cw	Y	610	50	Fair	
4	Cw	Y	540	50	Fair	
5	Cw	Y	580	50	Fair	
6	Cw	Y	430	30	Fair	
7	Cw	Y	370	30	Fair	
8	Cw	Y	510	30	Fair	
9	Cw	Y	610	30	Fair	
10	Cw	Y	660	30	Fair	
11	Cw	Y	530	30	Poor	Broken
12	Cw	Y	700	30	Fair	
13	Cw	Y	530	50	Fair	
14	Cw	Y	510	30	Fair	

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Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	X	Debris	X
Estimated Present Water Level Width (m)	8	Aggradation		Scour	X
Estimated High Water Level Clearance (m)	0.3	Ice			

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Replace structure prior to active use
2		
3		

Item	Monitor Description	Frequency
1	Monitor hole in road surface	Routine Inspection
2	Monitor broken stringer	Routine Inspection
3	Monitor abutment erosion	Routine Inspection

Sketch
(Select Signature)