

QC-7133

CHADSEY MAIN 2.5km

2017 Inspection



CBR iPad Offline Ver

CBR Data

Latitude 53°0'12.09" Longitude -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 53°0'12.04" Longitude -131°58'29.04"

HD Diff. (m) 2.2 Accuracy (m) 5

Temporary Bridge

N

Inspection

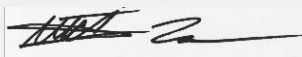
Date of Inspection 2017-09-12 10:13:32 AM

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.

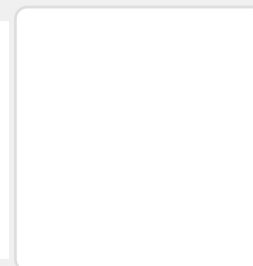
P.Eng Comments

Load Rated by: MFLNRO, J. Harvey, November 7, 2017

Load Rating: 5 Tonnes GVW

Next Inspection: September 1, 2020

Comments:



P.Eng Seal

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

Stringer Number	Needle Beam to Crib (m)		Diameter (mm)	Needle Diameter (mm)		
	Species	Peeled		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	<input checked="" type="checkbox"/>	Debris	<input checked="" type="checkbox"/>
Estimated Present Water Level Width (m)	8	Aggradation	<input type="checkbox"/>	Scour	<input checked="" type="checkbox"/>
Estimated High Water Level Clearance (m)	0.3	Ice	<input type="checkbox"/>		

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)