

QC-7133

CHADSEY MAIN 2.5km

2019 Inspection

CBR iPad Offline Ver



CBR Data

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

Crossing Name Unknown

FSR # 10843 Branch # 01

Road Name CHADSEY MAIN

User km 2.5

Previous 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°0'11.76" Longitude -131°58'29.08"

HD Diff. (m) 10.5 Accuracy (m) 5

6.0

Inspection

Date of Inspection 2019-09-13 8:51:58 AM

Recommended Next Inspection Year 2022

Inspector Name Lindsey McGill

Inspection Company Chartwell Consultants Ltd.

Inspector Comments Serial/ID Plate N/A

Consider replacement or deactivation. Log bridge is skewed 15 degrees +/-.

P.Eng Comments

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

Load Rating: 5 Tonnes GVW

Next Inspection: September 1, 2022

Comments:



P.Eng Seal

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Approach

Alignment Fair

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y

Delineator Missing
Left ☐ 0 ☐ 1 ☒ 2Delineator Missing
Right ☐ 0 ☐ 1 ☒ 2

Fender Condition Fair Only 20cm above road surface

Posted Load Rating

Road Surface Fair

Abutment

Log/Timber Cribs Fair Single sills, severe scour near downstream end

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 N/A

Fill Fair

Riprap N/A

Bearings Fair Stringers in full contact with sills.

Corrosion Protection N/A

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**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	Fair	Void in deck on upstream bush side
Curb Rail/Blocks/Posts	Fair	
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Fair	
Gravel Depth (mm)	700	
Pier Deck		

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Steel/Concrete

Girders N/A

Diaphragms N/A

Bracing N/A

Under Trussing N/A

Hardware N/A

Welded/grouted
shear connectors N/A

Log

Log Curbs Fair Old large logs only extend 20cm above road surface.

Needle Beam N/A

Needle Lashing/
Shimming

Needle Beam to Crib (m)

Needle Diameter (mm)

Stringer Number	Species	Peeled	Diameter (mm)	Rot Depth (mm)	Condition	Comment
1	Cw	N	880	60	Fair	Loose lashing
2	Cy	N	425	10	Poor	Second unidentified stringer above.
3	Cw	N	575	30	Poor	Excessive knots. Reason for rot
4	Cw	N	545	25	Fair	
5	Cw	N	580	30	Fair	Conk developing
6	Cw	N	410	30	Poor	
7	Cw	N	345	30	Poor	
8	Cw	N	430	50	Poor	
9	Cw	N	570	50	Poor	
10	Cw	N	620	30	Fair	
11	Cw	N	415	50	Poor	
12	Cw	N	680	50	Fair	
13	Cw	N	530	20	Fair	
14	Cw	N	510	30	Fair	

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Hazards

Estimated Present Water Level Depth (m)	.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	3.5	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	.6	Ice	☐		

Comments Heavy scour present under sills. Channel is bedrock controlled.

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1	High	Replace for industrial activity
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2		
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3		
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Item	Monitor Description	Frequency
1	Monitor scour below sills	Routine Inspection

2		
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3		
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Sketch
(Select Signature)

Left Bank Abutment when facing downstream



Upstream Profile



Approach from Left Bank when facing downstream



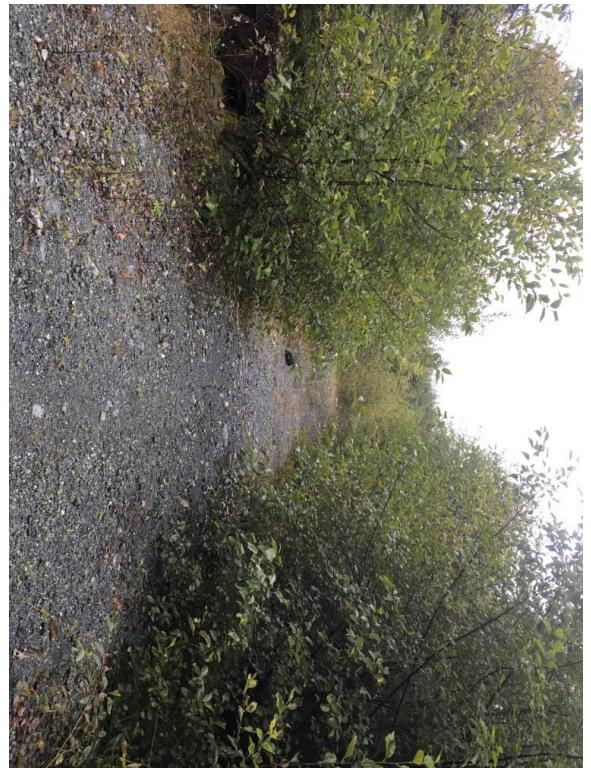
Right Bank Abutment when facing downstream



Downstream Profile



Approach from Right Bank when facing downstream



Deck



Upstream from Crossing



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