

SQ-3013

RUTHERFORD 01 10km

2019 Inspection

CBR iPad Offline Ver 0.31



CBR Data

Latitude	Longitude		
50°16'56.39"	-122°59'35.9"		
Crossing Name	Trib to Rutherford		
FSR #	5673	Branch #	1
Road Name	RUTHERFORD 01		
User km	10		
Previous Load Rating (tonnes)	136		
Structure Class	Permanent Bridge		
Portable	N		
Superstructure	Concrete Slab Girders		
Deck Type	Concrete		
Abutment Left	Concrete Lock Blocks		
Abutment Right	Concrete Lock Blocks		
Spans	1		
Total Length (m)	7		
Deck Width (m)	4.9		

Updated Data

Latitude	Longitude	
°0'0"	°0'0"	
HD Diff. (m)	5597403.7	Accuracy (m)

Inspection

Date of Inspection 2019-09-17 2:37:16 PM

Recommended Next Inspection Year 2019

Inspector Name Richard Mills

Inspection Company FLNRORD

Inspector Comments Serial/ID Plate

Abutment left severely undermined and scoured. Upstream side has settled approximately 1". Posted at 5 tonnes for short term. Replace as soon as possible.

P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., Jan. 22, 2020
 Load Rating: 20 tonnes
 Next Inspection: 2020
 Comments: Undermined townside abutment has been temporary repaired. Downrate to 20 tonnes until permanent repair.



P.Eng Seal

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Approach

Alignment Good

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required Y

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

Fender Condition Poor Missing

Posted Load Rating

Road Surface Good

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Pier N/A

Concrete Poor Severely undermined on left abutment

Caps or Sills Fair

Piles or Posts N/A

Ballast Wall N/A

Wing Wall N/A

Bracing N/A

Hardware Fair

Fill Poor Undermined

Riprap Poor Missing

Bearings Fair

Corrosion Protection N/A

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**Deck**

Running Surface Fair

Running Planks N/A

Sub Deck N/A

Ties N/A

Nails N/A

Deck to Girder Bolts N/A

Concrete Deck Fair

Grout Pockets N/A

Deck Joints Unrated Unable to see

Steel Deck Plate N/A

Gravel Surface N/A

Curb Rail/Blocks/Posts Fair

Hand Rails/Walkouts N/A

Hardware Good Slabs appear to be attached with dwidag from sides with

Overall Deck Condition Fair

Gravel Depth (mm)

Pier Deck

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**Steel/Concrete**

Girders Good

Diaphragms N/A

Bracing N/A

Under Trussing

Hardware N/A

Welded/grouted
shear connectors**Log**

Log Curbs

Needle Beam

Needle Lashing/
Shimming

Needle Beam to Crib (m)

Needle Diameter (mm)

Stringer Number	Species	Peeled	Diameter (mm)	Rot Depth (mm)	Condition	Comment
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Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	2.0	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	High	Re build due to scoured abutments.

2

3

Item	Monitor Description	Frequency
1		

2

3

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Upstream from Crossing



Left Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Superstructure



Downstream from Crossing



Load Rating Sign



Approach from Right Bank when facing downstream



Town Abutment Upon
Completion Of Repairs
Looking Upstream –
November 29th, 2019