

CK-2237

SOWAQUA CREEK 14.6km

2017 Inspection



CBR iPad Offline Ver 0.26

CBR Data

Latitude	Longitude
49°22'8.9"	-121°9'36.4"
Crossing Name	Montigny Creek
FSR #	7004
Branch #	1
Road Name	SOWAQUA CREEK
User km	14.6
Current Load Rating (tonnes)	68
Structure Class	Temporary Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Timber - Untreated
Abutment Left	Crib, Log or Untreated Timber
Abutment Right	Crib, Log or Untreated Timber
Spans	1
Total Length (m)	18.3
Deck Width (m)	4.3

Updated Data

Latitude	Longitude
49°22'9.2"	-121°9'36.51"
HD Diff. (m)	9.5
Accuracy (m)	10

Inspection

Date of Inspection 2017-07-21 11:05:03 AM

Recommended Next Inspection Year 2019

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

Abutments were constructed as temporary and should be monitored while in use

P.Eng Comments

Replace the extensively worn planks. Post bridge ahead signs and brush approaches. The girder to steel cap to timber sill to log crib connections are poor. There is no indication of rotation of the steel cap or timber crushing; however these connections need to be monitored, especially when in use. The top crib logs have up to 60mm sap rot and also need to be monitored. The girder markings indicate L75 loading for a 30.480m long structure; however the Ministry doesn't have any files (Crossing Assurance Statement, Record Drawings or Structural Drawings) to verify this. L75 or 68 tonnes load rating can continue; however plan for a complete replacement soon. Monitor the entire structure while in use.



01/02/2018

P.Eng Seal

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Approach

Alignment Fair

HC both approaches

 Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y

 Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

 Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Fair

Posted Load Rating

Not posted

Road Surface Fair

Abutment

Log/Timber Cribs Fair

2x, unpeeled Fd face logs each abutment, and up to 600mm sap rot

Tie Backs Fair

3x, unpeeled Fd, 200-300mm diameter

Bin Wall

Concrete

Caps or Sills Fair

Fair to poor - steel I beam cap on top of 100mm deep timber cap, both poorly connected to crib and not centered under girders (steel cap stiffeners not under girders)

Piles or Posts

Ballast Wall Fair

Old logs with large amounts of rot at ends

Wing Wall

Bracing Fair

Hardware Poor

not many fasteners noted on steel and timber cap

Fill Fair

Riprap Fair

Bearings Fair

Fair to poor as girder not attached to steel cap

Corrosion Protection

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Deck

Running Surface

Running Planks

Fair

some planks have extensive wear

Sub Deck

Fair

Ties

Fair

Nails

Fair

Deck to Girder Bolts

Good

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts

Fair

Hand Rails/Walkouts

Hardware

Fair

Overall Deck Condition

Fair

Gravel Depth (mm)

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Steel/Concrete

Serial/ID Plate

L75 - 30.48m - W/O 3078 - July 04

Girders Fair

2 girders, part of a larger set, slightly corroded and not centered over stiffeners on I beam cap

Diaphragms Fair

4 bolted bays, slightly corroded and minor damage noted at right abutment

Bracing Fair

Slightly corroded, minor damage noted at right abutment

Under Trussing

Hardware

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)	4.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	3.0	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1	Medium	Brush approaches
2	Medium	Post bridge ahead signs
3		

Item	Monitor Description	Frequency
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1	Abutment condition	Routine Inspection
2		
3		

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Deck



Approach from Right Bank when facing downstream



Looking upstream from deck



Looking downstream from deck



Right Bank Abutment when facing downstream



Approach from Left Bank when facing downstream



Superstructure



Deck clips



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Left Bank Abutment when facing downstream