

CK-2237

SOWAQUA CREEK 14.6km

2016 Inspection



CBR iPad Offline Ver 0.23

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°22'9.21"	-121°9'35.98"		
HD Diff. (m)	12.8	Accuracy (m)	5

Inspection

Date of Inspection 2016-08-17 9:57:02 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

the crib logs were never peeled and have up 60mm sap rot - no signs of crushing
 the cap not adequately fastened to the top crib logs
 monitor crib condition

P.Eng Comments

Post bridge ahead signs and brush approaches. The girder to steel cap to timber to log crib connections are poor. There is no indication of rotation of the steel cap or timber crushing at this point but 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.



28/02/2017

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 Crib Fair Fd logs not peeled and up to 60mm sap rot on top crib logs

Tie Backs Fair small unpeeled Fd, 3x

Bin Wall N/A

Concrete N/A

 Caps or Sills Fair to poor steel cap on top of 100mm thick timber on crib - only appears to be fastened by 2 nails
the stiffeners on the cap not directly under girders

Piles or Posts N/A

Ballast Wall Fair

Wing Wall N/A

Bracing N/A

Hardware Poor

Fill Fair

Riprap Fair

Bearings Fair to Poor the steel cap not adequately braced and not centered under girders, girders not fastened to cap

Corrosion Protection N/A

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Deck

Running Surface N/A

Running Planks Fair

Sub Deck Fair

Ties Fair

Nails Fair

Deck to Girder Bolts Fair clips

Concrete Deck N/A

Grout Pockets N/A

Deck Joints N/A

Steel Deck Plate N/A

Gravel Surface N/A

Curb Rail/Blocks/Posts Fair

Hand Rails/Walkouts N/A

Hardware Fair

Overall Deck Condition Fair

Gravel Depth (mm)

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Steel/Concrete

Serial/ID Plate L-75 - 30.480m - W/O-3078 - July 04

Girders Fair approx. 18m section of a longer spliced set as indicated on girder markings

Diaphragms Fair bottom chord on right bank bent

Bracing Fair

Under Trussing N/A

Hardware Fair NA

Welded/grouted
shear connectors N/A**Log**

Log Curbs

Needle Beam

Needle Lashing/
Shimming

Stringer Number	Needle Beam to Crib (m)		Diameter (mm)	Needle Diameter (mm)		Rot Depth (mm)	Condition	Comment
	Species	Peeled						

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Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	3.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	2.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1	Medium	brush approaches
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2	Medium	post bridge ahead signs
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3		
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Item	Monitor Description	Frequency
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1	crib condition	Anually
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2	steel cap condition and connection to timber	during industrial use
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3		
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Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Deck



Approach from Right Bank when facing downstream



Approach from Left Bank when facing downstream



Approach from Left Bank when facing downstream



Right Bank Abutment when facing downstream



Upstream Profile



deck clips



superstructure



up to 60mm sap rot on top crib logs - no signs of crushing



corrosion on upstream girder



H beam on timber on top of log crib