

CK-2236

SOWAQUA CREEK 9.6km

2017 Inspection

CBR iPad Offline Ver 0.26



CBR Data

Latitude	Longitude		
49°23'44.59"	-121°11'51.7"		
Crossing Name	Not Known		
FSR #	7004	Branch #	1
Road Name	SOWAQUA CREEK		
User km	9.6		
Current Load Rating (tonnes)	68		
Structure Class	Temporary Bridge		
Portable	Y		
Superstructure	Steel I-beam		
Deck Type	Timber - Untreated		
Abutment Left	Sill -Temporary Materials		
Abutment Right	Sill -Temporary Materials		
Spans	1		
Total Length (m)	15.2		
Deck Width (m)	4.9		

Updated Data

Latitude	Longitude		
49°23'44.52"	-121°11'52.02"		
HD Diff. (m)	6.9	Accuracy (m)	10

Inspection

Date of Inspection 2017-07-21 11:34:10 AM

Recommended Next Inspection Year 2019

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

Replace extensively worn planks. Post bridge ahead signs and monitor bridge following high flow events to confirm the stability of the abutments due to the limited riprap protection. Monitor the bearing plate condition due to the poor bearing (plates not fully on the log sill and log sill not trimmed flat) when in use. There is no indication of the term of this installation and it is considered temporary. The steel girders indicate L75 (68 tonnes) loading which can continue.



01/02/2018

P.Eng Seal

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Approach

Alignment Fair

Heavy VC right approach

Bridge Ahead Signs
Missing
☒ 0
 ☐ 1
 ☐ 2

Brushing Required N

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

Fender Condition Fair

Rocks left bank, logs right bank

Posted Load Rating

Not posted

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete

Caps or Sills Fair

Single log sills, not square to girders

Piles or Posts

Ballast Wall Fair

Old logs

Wing Wall

Bracing

Hardware Fair

Fill Fair

Riprap Fair

Not well keyed in or tied together, some rounded pieces

Bearings Fair

bearing plates not completely on log sills and poorly fastened

Corrosion Protection

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Deck

Running Surface

Running Planks	Fair	Some planks have extensive wear
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Sub Deck	Fair
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Ties	Fair
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Nails	Fair
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Deck to Girder Bolts	Good
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Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts	Fair
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Hand Rails/Walkouts

Hardware	Fair
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Overall Deck Condition	Fair
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Gravel Depth (mm)

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Steel/Concrete

Serial/ID Plate

Girders Fair

Slightly corroded

Diaphragms Fair

4 welded bays, slightly corroded, minor damage noted

Bracing Fair

Slightly corroded

Under Trussing

Hardware Poor

Girders only nailed to sill

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)	3.5	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1

2

3

Item	Monitor Description	Frequency
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1	riprap scour	Routine Inspection
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2	bearing plate deformation	Routine Inspection
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3

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Looking upstream from deck



Deck



Looking downstream from deck



Approach from Right Bank when facing downstream



Left Bank Abutment when facing downstream



Structure ID



Superstructure



Slight damage to right bank diaphragm



Right Bank Abutment when facing downstream



The girders do not sit square on either log sill



Deck clips