

CK-2473

NAHATLATCH 45.3km

2016 Inspection



CBR iPad Offline Ver 0.23 SNT

CBR Data

Latitude	Longitude		
49°54'48.39"	-121°59'12.4"		
Crossing Name	Whistle Pig Creek		
FSR #	6996	Branch #	1
Road Name	NAHATLATCH		
User km	45.3		
Current Load Rating (tonnes)	5		
Structure Class	Temporary Bridge		
Portable	N		
Superstructure	Log Stringers		
Deck Type	Timber - Untreated		
Abutment Left	Crib, Log or Untreated Timber		
Abutment Right	Crib, Log or Untreated Timber		
Spans	1		
Total Length (m)	13		
Deck Width (m)	5		

Updated Data

Latitude	Longitude		
49°54'48.41"	-121°59'11.72"		
HD Diff. (m)	13.6	Accuracy (m)	10
0 tonnes			

Inspection

Date of Inspection 2016-08-01 9:54:58 AM

Inspector Name Jamie Rupar Gilliatt

Inspection Company SNT Engineering

Inspector Comments

The bridge is in poor condition with large holes in the running planks, rotten ties, deteriorating stringers and significant scour under the right abutment. The bridge is currently load rated for 5 tonnes, but the load posting sign is blank. The bridge requires replacement and in the mean time should be properly posted. Further deterioration of the deck will mean it is not passable by traffic. Error in App, subtract 1 to get actual stringer numbers.

P.Eng Comments

Structure is condemned, 0 tonnes load rating. Please post and block access. Recommend removing the entire structure when blocking access.



17/02/2017

P.Eng Seal

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Approach

Alignment Fair

Horizontal and vertical curve.

Bridge Ahead Signs

Missing

☐ 0☒ 1☐ 2

Left approach missing.

Brushing Required Y

Delineator Missing

Left

☐ 0☐ 1☒ 2

Delineator Missing

Right

☐ 0☒ 1☐ 2

Plywood downstream delineator.

Fender Condition Poor

Large boulders at right approach. No fenders at left approach.

Posted Load Rating

Sign in place but no number shown.

Road Surface Fair

Some potholes.

Abutment

Log/Timber Cribs

Fair

Minor localized heart rot at ends, moss growth, 20 mm sap rot. No crushing or distress noted.

Tie Backs

Fair

Bin Wall

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

Fair

Deck hardware: curb log lashing is loose.

Fill

Fair

Riprap

Poor

No rip rap in place.

Bearings

N/A

Corrosion Protection

N/A

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Deck

Running Surface	Poor	Some potholes.
Running Planks	Poor	Large holes in planks. 100 mm planks currently span 1.1 m due to rotten ties.
Sub Deck	N/A	
Ties	Poor	Rotten.
Nails	Fair	Starting to protrude.
Deck to Girder Bolts	Unrated	No access.
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	N/A	
Hand Rails/Walkouts	N/A	
Hardware	Fair	Abutment hardware: loose lashing.
Overall Deck Condition	Poor	Large holes in deck and rotten ties.
Gravel Depth (mm)		

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Steel/Concrete

Serial/ID Plate No ID Tag.

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 Log curbs in place.

Needle Beam N/A

Needle Lashing/
Shimming N/A

Needle Beam to Crib (m)

Needle Diameter (mm)

Stringer
Number

Species

Peeled

Diameter
(mm)Rot Depth
(mm)

Condition

Comment

2	Fd	Y	800	200	Poor	Heart rot. Conk growth.
3	Fd	Y	650	90	Poor	Pocket rot. 40 sap rot.
4	Fd	Y	660	230	Poor	Heart rot. Crushing sap wood.
5	Fd	Y	690	250	Poor	Heart rot. 50 sap rot.
6	Fd	Y	760	100	Poor	Heart rot. 40 sap rot. Fungal growth.

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Hazards

Estimated Present Water Level Depth (m)	0.5	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	7	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	1	Ice	☐		

Comments Right abutment log has up to 600 mm of scour along the majority of the length of the log.

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Replace bridge.

2

3

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)



Right Approach Facing Bridge



Deck



Right Approach Facing Away From Bridge



Looking Upstream



Looking Downstream



Left Approach Facing Bridge



Left Approach Facing Away From Bridge



Rotten Deck Planks and Ties



Upstream Elevation



Downstream Creek Crossing



Downstream Elevation



Left Bank Abutment



Stringers



Right Bank Abutment



Stringer 3 Right Abutment Crushing of Sap Wood



Stringer 1 Konk



Scour Under Right Abutment Log



Scour under Right Abutment



Stringer 5 Fungal Growth