

CK-2478

NAHATLATCH 42.6km

2016 Inspection



CBR iPad Offline Ver 0.23 SNT

CBR Data

Latitude	Longitude		
49°55'35.69"	-121°57'25.6"		
Crossing Name	Unknown		
FSR #	6996	Branch #	1
Road Name	NAHATLATCH		
User km	42.6		
Current Load Rating (tonnes)	0		
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)	10		
Deck Width (m)	4.3		

Updated Data

Latitude	Longitude		
49°55'35.78"	-121°57'25.58"		
HD Diff. (m)	2.5	Accuracy (m)	50

Inspection

Date of Inspection 2016-08-01 12:40:23 PM

Inspector Name Jamie Rupar Gilliatt

Inspection Company SNT Engineering

Inspector Comments

Bridge has been condemned. Stringers are rotten and right abutment has significant scour. No load posting is in place. Access to the bridge should be blocked and structure removed or replaced. The road bypasses the bridge crossing the creek upstream. Error in App, subtract 1 for actual stringer number.

P.Eng Comments

The structure was condemned (0 tonnes load rating) last year. Post load rating sign and block access. Recommend removing the entire structure when the access is blocked due to the very poor condition of the structure.



17/02/2017

P.Eng Seal

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Approach

Alignment Fair

Bridge Ahead Signs Missing ☐ 0 ☒ 1 ☐ 2 Left approach sign missing.

Brushing Required Y

Delineator Missing Left ☐ 0 ☐ 1 ☒ 2

Delineator Missing Right ☐ 0 ☐ 1 ☒ 2

Fender Condition Poor No fenders in place.

Posted Load Rating No load posting sign in place.

Road Surface Poor Large rocks exposed in approach.

Abutment

Log/Timber Cribs Poor Moss growth, sap rot and conks. No signs of crushing or distress. Significant scour under right abutment.

Tie Backs Fair Moss growth.

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 Poor Deck hardware: loose and missing curb log lashing.

Fill Fair

Riprap Poor No riprap in place.

Bearings N/A

Corrosion Protection N/A

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Deck

Running Surface	Fair	Large rocks exposed in approach.
Running Planks	Poor	Fair to poor. Localized pockets of rot in planks.
Sub Deck	Poor	Rotten.
Ties	Poor	Rotten.
Nails	Fair	
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	Poor	Abutment hardware: loose or missing lashing.
Overall Deck Condition	Fair	
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 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
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2	Fd	Y	660	200	Poor	Dry sap rot.
3	Fd	Y	660	100	Poor	Dry sap rot. Fungal growth.
4	Fd	Y	670	300	Poor	Rotten. Conk.
5	Fd	Y	690	300	Poor	Rotten. Fungal Growth.
6	Fd	Y	780	250	Poor	Rotten.

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Hazards

Estimated Present Water Level Depth (m) 0.3

High Water ☐Debris ☐

Estimated Present Water Level Width (m) 2

Aggradation ☐Scour ☒

Estimated High Water Level Clearance (m) 0

Ice ☐

Comments Scour under right abutment log up to 800 mm deep over 3 m, with some scour over remaining length of log.

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	High	Post bridge, block access, or remove bridge.

2	High	Replace bridge.
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3		
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Item	Monitor Description	Frequency
1		

2		
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3		
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Sketch
(Select Signature)



Right Approach Facing Bridge



Deck



Right Approach Facing Away From Bridge



Rotten Deck Planks



Looking Upstream



Left Approach Facing Away From Bridge



Looking Downstream



Left Approach Facing Bridge



Upstream Bypass Route



Right Bank Abutment



Upstream Elevation



Stringers



Left Bank Abutment



Stringer 2 Fungal Growth



Downstream Elevation



Rot in Stringers 3 & 4



Stringer 4 Fungal Growth



Stringer 3 Conk



Right Abutment Scour