

CK-2475

NAHATLATCH 46.5km

2016 Inspection



CBR iPad Offline Ver 0.23 SNT

CBR Data

Latitude	Longitude		
49°54'17.79"	-121°59'45.2"		
Crossing Name	Nahatlatch River		
FSR #	6996	Branch #	1
Road Name	NAHATLATCH		
User km	46.5		
Current Load Rating (tonnes)	20		
Structure Class	Temporary Bridge		
Portable	N		
Superstructure	Steel I-beam		
Deck Type	Timber - Untreated		
Abutment Left	Steel Pipe and Precast Pad		
Abutment Right	Steel Pipe and Precast Pad		
Spans	1		
Total Length (m)	36		
Deck Width (m)	4.9		

Updated Data

Latitude	Longitude		
49°54'17.08"	-121°59'44.29"		
HD Diff. (m)	28.7	Accuracy (m)	30

Inspection

Date of Inspection 2016-08-01 8:37:30 AM

Inspector Name Jamie Rupar Gilliatt

Inspection Company SNT Engineering

Inspector Comments

Road is heavily overgrown. Running strips and guardrail are rotten and require replacement. Current load rating is 20 tonnes based on deck condition, but the current posting sign is incorrect and requires updating.

P.Eng Comments

Replace the running planks, guardrail and risers. Place fenders at either approach and brush. Present I load rating of 20 tonnes to continue, please update the load rating sign.



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 Heavily overgrown.

Delineator Missing Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing Right ☐ 0 ☒ 1 ☐ 2

Fender Condition Poor No fenders in place.

Posted Load Rating 68040 Incorrect based on current load rating.

Road Surface Fair

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Concrete Fair Right abutment breast wall. Spall with exposed rebar.

Caps or Sills Fair H beam caps at both abutments.

Piles or Posts Fair H beam posts at both abutments.

Ballast Wall Fair Creosote treated ballast walls.

Wing Wall N/A

Bracing N/A Buried in fill.

Hardware Poor Deck hardware: loose and damaged in places.

Fill Good

Riprap Good

Bearings N/A Girders bear directly on caps.

Corrosion Protection Fair

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**Deck**

Running Surface	Poor	
Running Planks	Poor	Heavily worn running strips.
Sub Deck	Fair	Creosote treated.
Ties	Fair	Creosote treated.
Nails	Poor	Protruding.
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	Poor	Rotten.
Hand Rails/Walkouts	N/A	
Hardware		
Overall Deck Condition	Poor	Rotten running planks and guardrail.
Gravel Depth (mm)		

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Steel/Concrete

Serial/ID Plate No ID Tag.

Girders Good

Diaphragms Good

Bracing Good

Under Trussing N/A

Hardware

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

Log Curbs N/A

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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Hazards

Estimated Present Water Level Depth (m)	2	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	23	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1	Ice	☐		

Comments Woody debris deposits around abutments.

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	High	Replace running strips and guardrail. Requires 73 m of 250x250 mm guardrail sections, 32 750x250x250 mm risers and necessary hardware. 36.5 m of 75 mm thick planks for two 1550 mm wide running strips.
2	Medium	Bush approaches. Post bridge ahead sign at left approach. Install delineator at right approach upstream corner. Clear debris from deck. Install fenders at both approaches. Update rating sign.
3		

Item	Monitor Description	Frequency
1	Monitor spall in right abutment breast wall.	Routine Inspection

2

3

Sketch
(Select Signature)



Right Approach Facing Bridge



Deck



Load Posting Sign



Guard Rail

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Looking Upstream



Right Approach Facing Away From Bridge



Looking Downstream



Left Approach Facing Away From Bridge



Left Approach Facing Bridge



Left Bank Abutment



Right Bank Abutment



Downstream Elevation



Left Bank Abutment



Spall with Exposed Rebar Right Abutment



Right Bank Abutment



Girders

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Upstream Elevation



Rotten Running Strip