

CK2479

NAHATLATCH GRIZZLY 2.1km

2016 Inspection

CBR iPad Offline Ver 0.23 SNT



CBR Data

Latitude	Longitude
49°56'18.39"	-121°54'23.8"
Crossing Name	Grizzly Creek
FSR #	6996
Branch #	16
Road Name	NAHATLATCH GRIZZLY
User km	2.1
Current Load Rating (tonnes)	68
Structure Class	Temporary Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Timber - Treated
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	19.3
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°56'18.59"	-121°54'24.26"
HD Diff. (m)	11.0
Accuracy (m)	10

Inspection

Date of Inspection 2016-08-01 1:33:05 PM

Inspector Name Jamie Rupar Gilliatt

Inspection Company SNT Engineering

Inspector Comments

The guardrails are rotten and require replacing. The running planks are starting to rot and should be replaced prior to industrial use. The oversteepened embankment slopes at the right abutment, and short ballast wall planks has resulted in a loss of fill and a reduced road width. This requires repair prior to industrial use.

P.Eng Comments

Replace the running planks, guardrail and risers. Replace the timber ballast wall on the right bank with longer timbers and replace the missing fill to widen out the road appropriately. Place fenders at both approaches; post missing bridge ahead signs, replace missing delienators and brush approaches. Limit loading to 40 tonnes until the work has been completed. Please post updated 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

Brushing Required Y

Vegetation starting to obscure bridge.

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.

Road Surface Poor

Below level of deck resulting in damage and large bump.

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Concrete N/A

Caps or Sills N/A

Piles or Posts Fair

Steel post abutments.

Ballast Wall Fair

Creosote treated. Not long enough for road width at right abutment.

Wing Wall N/A

Bracing Fair

Hardware Fair

Fill Poor

Oversteepened fill at right abutment has resulted in reduced road width and made approach lower than deck.

Riprap Good

Bearings Fair

Right abutment downstream bearing is bulging.

Corrosion Protection Fair

Painted substructure.

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Deck

Running Surface	Fair	Below level of deck resulting in damage and large bump.
Running Planks	Fair	Pockets of rot developing in the majority of running planks.
Sub Deck	Fair	Creosote treated.
Ties	Fair	Creosote treated.
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	Poor	Rotten risers and pockets of rot in guardrail.
Hand Rails/Walkouts	N/A	
Hardware	Fair	
Overall Deck Condition	Poor	Rotting running planks and rotten guardrail.
Gravel Depth (mm)		

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Steel/Concrete

Serial/ID Plate No ID Tag. Rapidspan structure.

Girders Good

Diaphragms Good

Bracing Good

Under Trussing N/A

Hardware N/A

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)	0.75	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	10	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	2.5	Ice	☐		

Comments Large trees have fallen across creek both upstream and downstream of bridge.

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	High	Replace guardrail and running planks. Requires: 40 m of 250x250 mm guardrail sections, 18 650x250x250 mm risers. Running planks 90 mm thick for 20 m long deck with 4.2 m wide wearing surface.
2	Medium	Install bridge ahead signs, delineators and fenders. Regrade approaches. Remove debris from deck.
3	Medium	Place additional slope protection and fill at right approach.

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)



Left Approach Facing Bridge



Deck



Left Approach Facing Away From Bridge



Pockets of Rot in Running Planks

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Looking Upstream



Right Approach Facing Away From Bridge



Looking Downstream



Right Approach Facing Bridge



Poor Fill at Right Abutment



Right Bank Abutment



Upstream Elevation



Left Bank Abutment

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Girders



Right Abutment Downstream Bearing Bulging



Downstream Elevation



Left Bank Abutment

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Right Bank Abutment



Guard Rail