

CK-2196

NAHATLATCH 4.8km

2017 Inspection



CBR iPad Offline Ver 0.26

CBR Data

Latitude	Longitude
49°58'43.39"	-121°31'21.7"
Crossing Name	Nahatlatch River
FSR #	6996
Branch #	1
Road Name	NAHATLATCH
User km	4.8
Current Load Rating (tonnes)	63
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Concrete Composite
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Concrete Cast in Place
Spans	3
Total Length (m)	77.4
Deck Width (m)	4.27

Updated Data

Latitude	Longitude
49°58'43.99"	-121°31'22.57"
HD Diff. (m)	25.2
Accuracy (m)	5

Inspection

Date of Inspection 2017-08-09 12:41:22 PM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2020

Inspection Company MFLNRO

Inspector Comments

Right bank jump span new and in good condition

P.Eng Comments

Monitor the left bank pier condition and the deck joints on the main span and left bank jump span. Present load rating of BCL-625 or 63 tonnes to continue.



23/01/2018

P.Eng Seal

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Approach

Alignment Good

Moderate VC and HC left 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 Good

Posted Load Rating 63730

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete

Caps or Sills

Piles or Posts Good New right bank steel pipe towers, concrete posts left bank

Ballast Wall Good Tied back on both walls, 2 anchors each wall

Wing Wall

Bracing Unrated Not visible

Hardware

Fill Fair

Riprap Good stream is in a canyon, bedrock controlled

Bearings Fair

Corrosion Protection Good

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Main Span Deck

Running Surface **Good**

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck **Fair** approx 50% of the grout worn off lifting hook pockets

Grout Pockets **Good**

Deck Joints **Fair** Hairline cracks noted on main span

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts **Good**

Hand Rails/Walkouts

Hardware

Overall Deck Condition **Fair**

Gravel Depth (mm)

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Main Span Steel/Concrete

Serial/ID Plate

Girders Fair

Light to moderate surface corrosion, noticeable sag up to 20mm

Diaphragms Fair

Light to moderate surface corrosion

Bracing Fair

Light to moderate surface corrosion

Under Trussing

Hardware Fair

splice plate bolts have all been replaced

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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Left Bank Pier

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete Good

CIP footings on bedrock (assumed)

Caps or Sills Fair

Steel H beam cap

Piles or Posts Fair

Steel H posts, tapered towards bottom

Ballast Wall

Wing Wall

Bracing Fair

Hardware

Fill

Riprap

Bearings Fair

Left span sit on notched out portion of main span girders, which sit on steel H cap. The top plate of bearings is slightly deformed with grease leaking out, bearing anchor bolts have sheared off both bearings and welded restrainers have been placed

Corrosion Protection Fair

not coated

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Left Jump Span Deck

Running Surface **Good**

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck **Fair**

Grout Pockets **Good** approx 50% of the grout has worn off lifting hook pockets

Deck Joints **Fair** Hairline cracks noted

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts **Good**

Hand Rails/Walkouts

Hardware

Overall Deck Condition **Fair**

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Left Jump Span Steel/Concrete

Serial/ID Plate

Girders Fair Light to moderate surface corrosion

Diaphragms Fair Light to moderate surface corrosion

Bracing Fair Light to moderate surface corrosion

Under Trussing

Hardware Fair

Welded/grouted
shear connectors**Log**

Log Curbs

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Right Pier

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete Good

2 separate CIP footings, 1 set for main span and 1 set for right jump span and right span has steel pipe towers

Caps or Sills

Piles or Posts Good

Only for right jump span pier

Ballast Wall

Wing Wall

Bracing NA

Steel towers not tall enough to require bracing

Hardware

Fill

Riprap

Bearings Good

Good for right span pier, fair for main span pier

Corrosion Protection Good

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Right Jump Span Deck

Running Surface **Good**

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck **Good**

Grout Pockets **Good**

Deck Joints **Good**

Steel Deck Plate

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Hardware

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Right Jump Span Steel/Concrete

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Girders Good

Diaphragms Good

Bracing Good

Under Trussing

Hardware Good

Welded/grouted
shear connectors**Log**

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Hazards

Estimated Present Water Level Depth (m)	5.0	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	15.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	20.0	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	Left pier bearing condition	Annual
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2	Deck joints	Annual
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3		
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Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Main span deck



Right bank jump span deck



Looking upstream from deck



Looking downstream from deck



Approach from Left Bank when facing downstream



Left bank jump span deck



Left bank jump span to main span connection



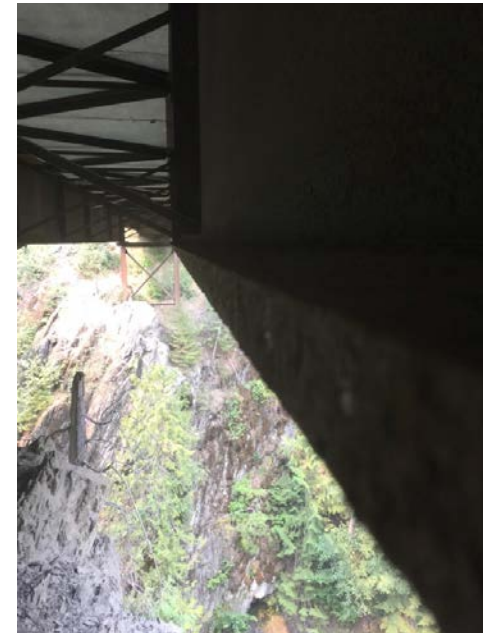
Left bank jump span superstructure and left bank bent



Main span superstructure



Welded restrainers for left bank jump span



Noticeable sag in main span girders, up to 20mm



Main span right bank abutment



Right bank piers, separate for each span



Right bank jump span pier, with main span pier behind



Right Bank Abutment when facing downstream

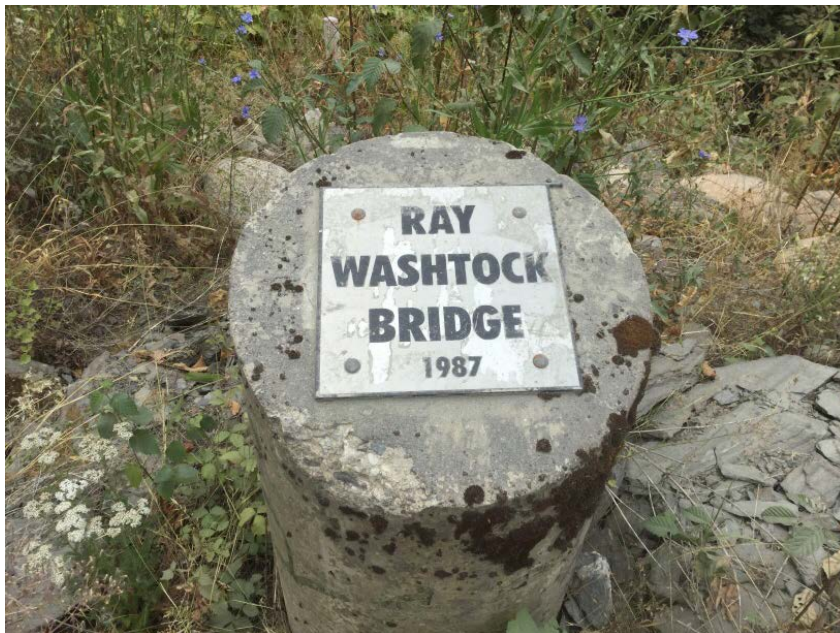
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Structure ID



Bridge monument