

SQ-3011
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RUTHERFORD 01 6.5km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 50°17'6.46"
Longitude -122°57'2.68"

Site Status Active

Insp. Status Inspect

Crossing Name Tributary to Rutherford Creek

FSR # 5673 Branch # 1

Road Name RUTHERFORD 01

User km 6.5

Previous Load
Rating (tonnes) 136

Structure Class Permanent Bridge

Portable N

Superstructure Concrete Slab Girders

Deck Type Concrete

Abutment Left Concrete Lock Blocks

Abutment Right Concrete Lock Blocks

Spans 1

Total Length (m) 9.2

Deck Width (m) 4.9

Updated Data

Latitude 0°0"
Longitude 0°0"

HD Diff. (m) 5597714.8 Accuracy (m)

Inspection

Date of Inspection 2022-09-28 4:56:16 PM

Recommended Next Inspection 2023

Inspector Name Forrest Simpson

Inspection Company MoF

Inspector Comments Serial/ID Plate

Left bank footing exposed. CIP concrete has been previously added to address this in the distant past. Scour has increased upstream of protection measure. Roughly 2.2m long x 0.25m (at deepest). Both footings halves exposed. Right bank has a berm built up to protect abutment (natural or not?) Seems to be functioning.

P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., Oct. 3, 2022

Load Rating: L150 or 136 tonnes

Next Inspection: 2023

Comments: Undermined footing for 1.2m long section on town end must be repaired prior to industrial use, with formed cast-in-place concrete to fill under footing. A 300mm deep x 200mm cut off trench may be constructed within the formed area outside of the footing and filled with concrete to mitigate future erosion potential. Attend to other noted repairs as well noted in this inspection as well.



PERMIT TO
PRACTICE: 1003022

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Approach

Alignment Fair

Hump

Bridge Ahead Signs
Missing

☐ 0

☒ 1

☐ 2

Woods approach

Brushing Required Y

Minor

Delineator Missing
Left

☒ 0

☐ 1

☐ 2

Delineator Missing
Right

☒ 0

☐ 1

☐ 2

Fender Condition Poor

Missing all

Posted Load Rating 136

Road Surface Fair

Potholes.

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Good

Caps or Sills Fair

6" deep timbers

Piles or Posts

Ballast Wall Good

Wing Wall

Bracing

Hardware

Fill Good

Riprap Poor

None. Debris channel with lots of rock

Bearings Good

Corrosion Protection

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Deck

Running Surface **Good** Potholes.

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck **Fair** Significant surface wear. Damage ballast wall

Grout Pockets

Deck Joints **Unrated** No visible joints. Check records

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts **Good** New woods rails

Hand Rails/Walkouts

Hardware **Good**

Overall Deck Condition **Good**

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders **Good**

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted
shear connectors **Unrated**

None visible

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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Hazards

Estimated Present Water Level Depth (m) 0 High Water ☐ Debris ☒

Estimated Present Water Level Width (m) 0 Aggradation ☐ Scour ☐

Estimated High Water Level Clearance 1.0 Ic ☐

Comments Debris flow (rock) channel on fan

Repairs and Monitoring

Repair Item	Repair Description
1 Structure. . . Priority:High	Address exposed footing, left bank.

2 Approach. Approach fenders (install). # of units. Priority:High	Install approach barriers
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3 Approach. Area/sight line brushing. m². Priority:Low	
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4

5

6

7

Item	Monitor Description	Frequency
1		
2		
3		



Approach from Left Bank when facing downstream



Deck



Deck



Approach from Right Bank when facing downstream



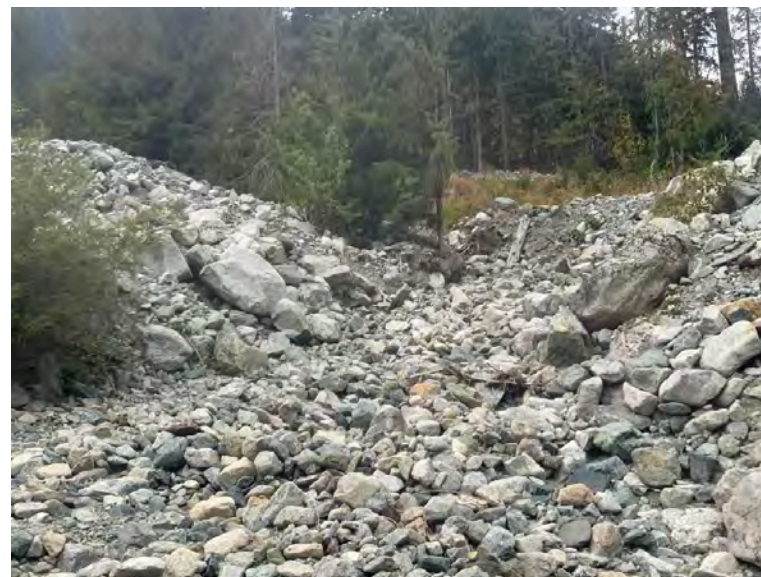
Left Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Upstream from Crossing



Upstream Profile



Bearing



Superstructure



Right Bank Abutment when facing downstream