

SQ-3156
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SQUAMISH RIVER 53.6km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 50°4'6.4"
Longitude -123°20'33.3"

Site Status Active

Insp. Status Inspect

Crossing Name Turbid Creek

FSR # 9160 Branch # 1

Road Name SQUAMISH RIVER

User km 53.6

Previous Load Rating (tonnes) 136

Structure Class Temporary Bridge

Portable N

Superstructure Steel I-beam

Deck Type Timber - Untreated

Abutment Left Other

Abutment Right Other

Spans 1

Total Length (m) 23.5

Deck Width (m) 4.8

Updated Data

Latitude 0°0"
Longitude 0°0"

HD Diff. (m) 5573594.0 Accuracy (m)

20.8

Inspection

Date of Inspection 2022-09-26 11:13:06 AM

Inspector Name Mitch Lowe

Recommended Next Inspection 2023

Inspection Company MoF

Serial/ID Plate
Inspector Comments

Suggest reducing load rating to 5 tonne until deck replaced. Currently there is an active log hall operation.
Post inspection comments: current load rating acceptable provided missing planks repaired, per g.dohm

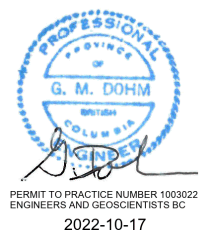
P.Eng Comments

Load Rated by: MOF, Greg Dohm, PEng., Oct. 14, 2022

Load Rating: L150 or 136 tonnes

Next Inspection: 2023

Comments: Replace missing planks immediately to maintain current load rating and tighten up curb bolts. Plan to replace deck in near future.



PERMIT TO
PRACTICE: 1003022

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Approach

Alignment Fair

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

Road Surface Fair

Abutment

Log/Timber Cribs Fair Aging but okay.

Tie Backs Fair Some tiebacks starting to split.

Bin Wall

Pier

Concrete

Caps or Sills Fair Steel cap on sill log.

Piles or Posts

Ballast Wall Fair

Wing Wall

Bracing

Hardware

Fill

Riprap Poor Potential for erosion of cribs, but given history, unlikely.

Bearings

Corrosion Protection

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Deck

Running Surface **Poor**

Running Planks

Sub Deck

Ties **Poor** Nearing end of life. Estimate at least every 3rd tie contains some level of rot at ends and where guard rail is located.

Nails **Fair**

Deck to Girder Bolts **Fair** No angle iron to prevent slippage.

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts **Poor** Loose not functioning.

Hand Rails/Walkouts

Hardware

Overall Deck Condition **Poor** See above comments.

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Good

Diaphragms Good

Bracing Good

Under Trussing

Hardware

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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Hazards

Estimated Present Water Level Depth (m)

High Water ☐

Debris ☐

Estimated Present Water Level Width (m)

Aggradation ☐

Scour ☒

Estimated High Water Level Clearance

Ic ☐

Comments

Repairs and Monitoring

Repair Item

Repair Description

- 1 Structure. Major redecking (crossties or laminated deck). m. Priority:High Suggest complete redecking. Could consider on rails and running surface, but ties are not far away from replacing.

2

3

4

5

6

7

Item

Monitor Description

Frequency

- 1 Monitor cribs for erosion.

Routine Inspection

2

3



Approach from Left Bank when facing downstream



Deck



Approach from Right Bank when facing downstream



Deck



Deck



Right Bank Abutment when facing downstream



Approach from Left Bank when facing downstream



Deck



Deck



Downstream Profile



Deck



Right Bank Abutment when facing downstream



Right Bank Abutment when facing downstream