SQ-3184
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SQUAMISH RIVER 35.5km

2020 Inspection

CBR iPad Offline Ver 0.33

BRITISH COLUMBIA

CBR Data

Latitude	Longitude
49°55'59.59"	-123°17'30.4"

Crossing Name	Powerhouse
FSR #	9160
Branch #	1
Road Name	SQUAMISH RIVER
User km	35.5
Previous Load Rating (tonnes)	62
Structure Class	Temporary Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Timber - Untreated
Abutment Left	Concrete Cast in Place
Abutment Right	Concrete Cast in Place
Spans	2
Total Length (m)	45.4
Deck Width (m)	4.88

Updated Data

Latitude	Longitude
49°55'59.8"	-123°17'30.47"

HD Diff. (m)	6.5	Accuracy (m)	6

Inspection

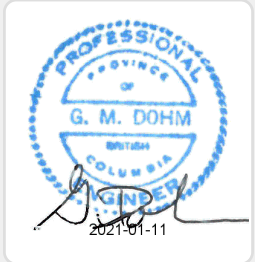
Date of Inspection	2020-09-08 12:54:24 PM
Inspector Name	Gino Fournier
Inspector Comments	Serial/ID Plate

Recommended Next Inspection Year

Inspection Company FLNRORD

P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., Jan. 7, 2021
Load Rating: BCL625 or 63 tonnes
Next Inspection: 2022
Comments: cross-ties getting old and may be deteriorating indicated by planks lifting. Plan to replace deck in relatively near future.



P.Eng Seal

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

Noposts

Posted Load Rating: 62

Road Surface: Fair

Abutment

Log/Timber Cribs: N/A

Tie Backs: N/A

Bin Wall: N/A

Pier: Fair

Concrete: Fair

Caps or Sills: Fair

Piles or Posts: N/A

Ballast Wall: Fair

Wing Wall: N/A

Bracing: N/A

Hardware: N/A

Fill: Fair

Riprap: Fair

Bearings: Fair

Corrosion Protection: N/A

Deck

Running Surface	Fair	
Running Planks	Fair	
Sub Deck	N/A	
Ties	Poor	8x12 treated 400 c/c. Deck boards moving up and down with traffic. Nails starting to get loose.
Nails	Poor	Deck boards moving up and down with traffic. Nails8x12 treated 400 c/c. Deck boards moving up and down with traffic. Nails starting to get loose. starting to get loose.
Deck to Girder Bolts	Fair	
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	Fair	12x12 treated
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Fair	
Gravel Depth (mm)	0	
Pier Deck	N/A	

Steel/Concrete

Girders	Fair
Diaphragms	Fair
Bracing	Fair
Under Trussing	N/A
Hardware	Fair
Welded/grouted shear connectors	N/A

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

Hazards

Estimated Present Water Level Depth (m)	2	High Water	X	Debris	
Estimated Present Water Level Width (m)	30	Aggradation		Scour	
Estimated High Water Level Clearance (m)	1.5	Ice			

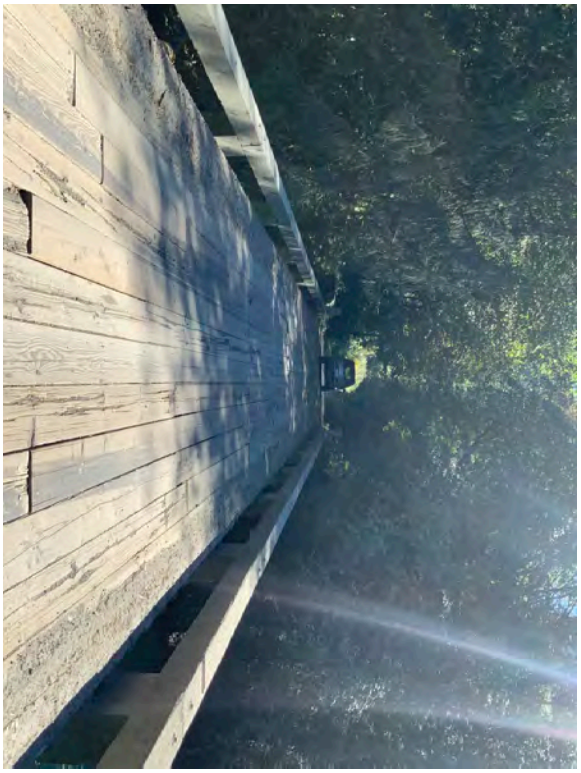
Comments

Repairs and Monitoring

	Repair Item	Repair Description
1		
2		
3		
4		
5		
6		
7		

Item	Monitor Description	Frequency
1	Ties may be getting old. Planks starting to lift.	Routine Inspection
2		
3		

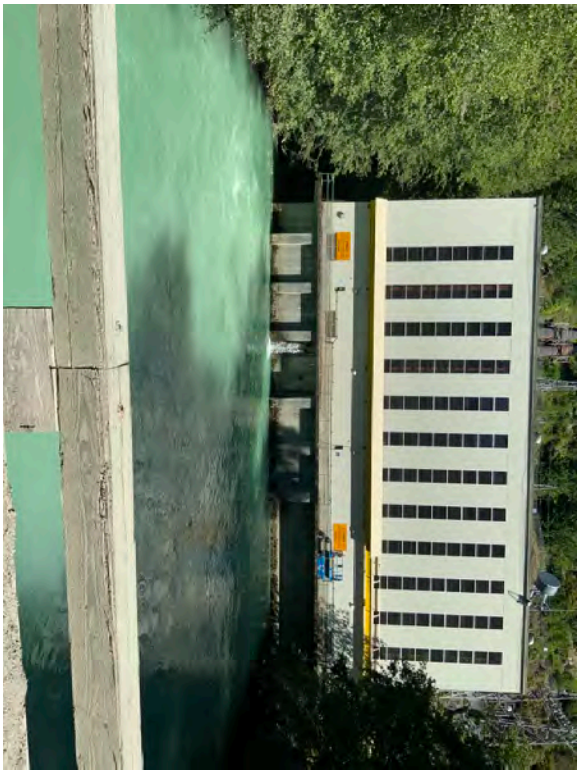
Approach from Left Bank when facing downstream



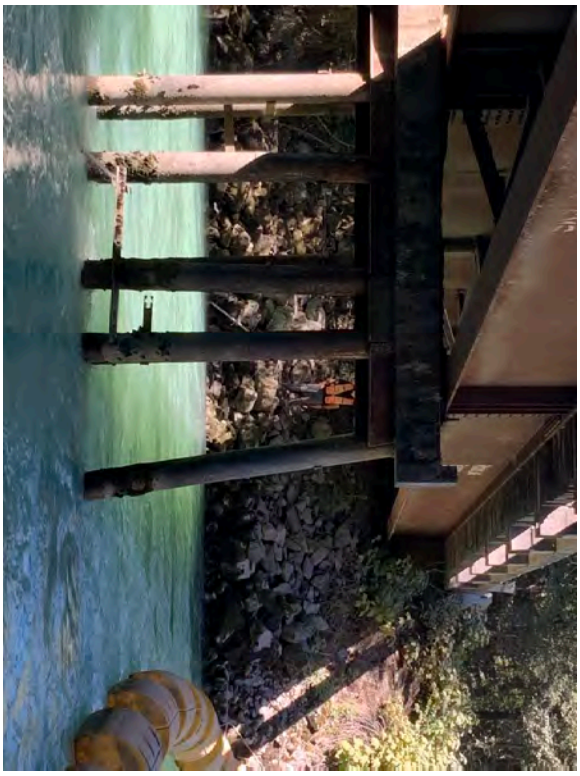
Downstream from Crossing

Approach from Right Bank when facing downstream

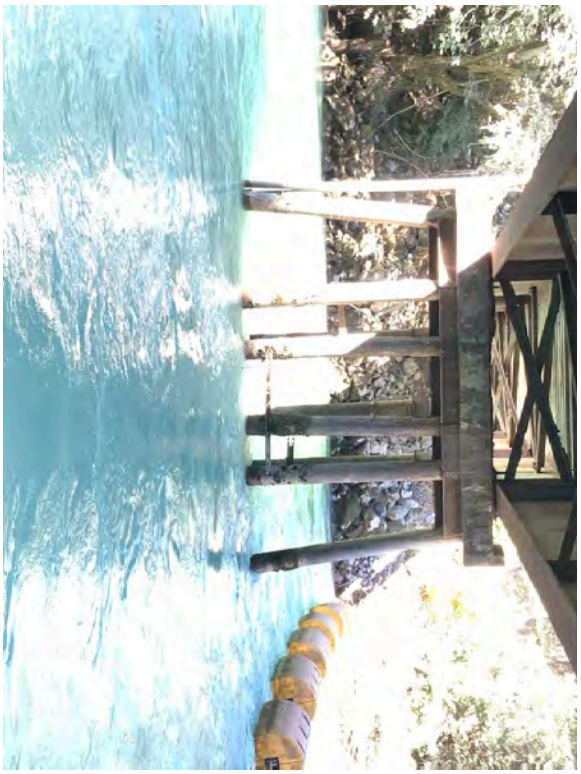
Upstream from Crossing



Right Bank Abutment when facing downstream



Deck

Left Bank Abutment when facing downstream

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