SQ-3155
SQ-3155

SQUAMISH RIVER 53.1km

2020 Inspection

CBR iPad Offline Ver 0.33

CBR Data

Latitude	Longitude
50°3'51.8"	-123°20'.77"

Crossing Name	Shovel Nose Creek
FSR #	9160
Branch #	1
Road Name	SQUAMISH RIVER
User km	53.1
Previous Load Rating (tonnes)	62
Structure Class	Temporary Bridge
Portable	N
Superstructure	Rail Car
Deck Type	Timber - Treated
Abutment Left	Sill -Temporary Materials
Abutment Right	Sill -Temporary Materials
Spans	1
Total Length (m)	17.5
Deck Width (m)	4.8

Updated Data

Latitude	Longitude
50°3'51.88"	-123°20'1.31"

HD Diff. (m)	11.0	Accuracy (m)	6

Inspection

Date of Inspection	2020-09-08 11:36:09 AM	Recommended Next Inspection Year	
Inspector Name	Gino Fournier	Inspection Company	FLNRORD

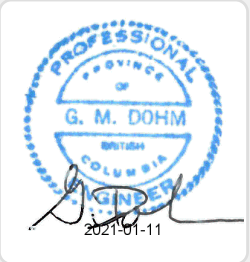
Inspector Comments

Serial/ID Plate

Consider downrating due to rails not being replaced as per last inspections.

P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., Jan. 7, 2021
Load Rating: BCL625 or 63 tonnes
Next Inspection: 2021
Comments: Replace all rail components prior to next industrial use as they are very rotten.



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	Good	

Abutment

Log/Timber Cribs	Fair	
Tie Backs	Poor	Getting old
Bin Wall	N/A	
Pier	N/A	
Concrete	N/A	
Caps or Sills	Fair	
Piles or Posts	N/A	
Ballast Wall	Fair	
Wing Wall	N/A	
Bracing	N/A	
Hardware	Fair	
Fill	Fair	
Riprap	Fair	
Bearings	Fair	
Corrosion Protection	N/A	

Deck

Running Surface	Fair	
Running Planks	Fair	4x12
Sub Deck	N/A	
Ties	Fair	8x8 treated
Nails	Fair	
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	Poor	Rotten and need to be replaced
Hand Rails/Walkouts	N/A	
Hardware	Fair	
Overall Deck Condition	Poor	Due to rails.
Gravel Depth (mm)	0	
Pier Deck	N/A	

Steel/Concrete

Girders	Fair	Railcars
Diaphragms	N/A	
Bracing	N/A	
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)	.3	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	5	Aggradation	☒	Scour	☒
Estimated High Water Level Clearance (m)	2	Ice	☐		

Comments

Repairs and Monitoring

	Repair Item	Repair Description
1	Structure. . . Priority:High	Replace all rail components prior to next industrial use as they are very rotten.
2		
3		
4		
5		
6		
7		

Item	Monitor Description	Frequency
1		
2		
3		

Approach from Left Bank when facing downstream

Approach from Right Bank when facing downstream

Downstream from Crossing

Upstream from Crossing

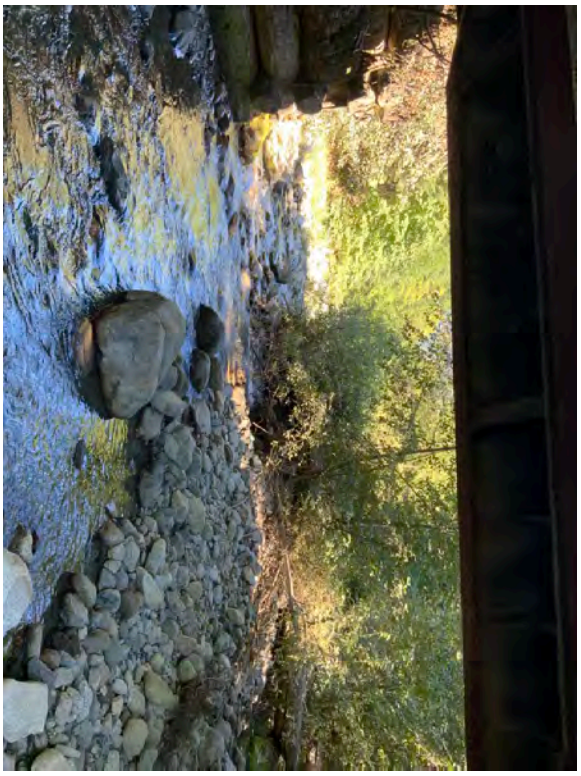
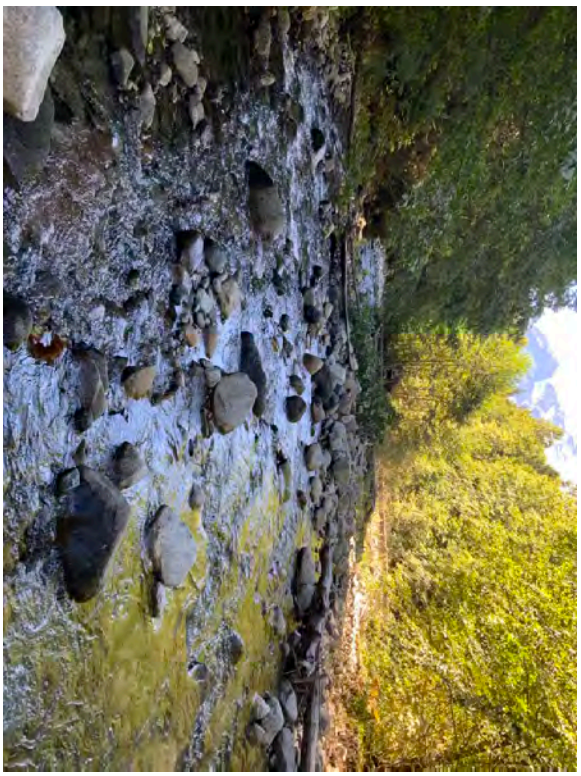
Right Bank Abutment when facing downstream

Guard Rail

Left Bank Abutment when facing downstream

Deck

Upstream Profile



Downstream Profile