SQ-3134
SQ-3134

MAMQUAM 01 12.9km

2020 Inspection

CBR iPad Offline Ver 0.33

CBR Data

Latitude	Longitude
49°43'2.03"	-122°59'47.3"

Crossing Name	Mamquam River
FSR #	9283
Branch #	1
Road Name	MAMQUAM 01
User km	12.9
Previous Load Rating (tonnes)	136
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Timber - Untreated
Abutment Left	Concrete Cast in Place
Abutment Right	Concrete Cast in Place
Spans	1
Total Length (m)	21.3
Deck Width (m)	4.88

Updated Data

Latitude	Longitude
49°43'1.78"	-122°59'47.1"

HD Diff. (m)	8.7	Accuracy (m)	5

Inspection

Date of Inspection 2020-09-08 1:50:55 PM

Inspector Name Greg Dohm

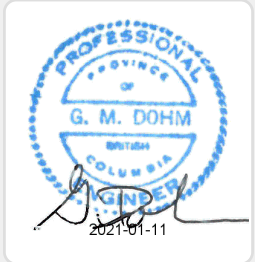
Recommended Next Inspection Year

Inspection Company FLNRORD

Inspector Comments

P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., Jan. 7, 2021
Load Rating: L150 or 136 tonnes
Next Inspection: 2023
Comments:



P.Eng Seal

Approach

Alignment	Fair	
Bridge Ahead Signs Missing	○ 0 ○ 1 ○ 2	
Brushing Required	Y	
Delineator Missing Left	● 0 ○ 1 ○ 2	
Delineator Missing Right	● 0 ○ 1 ○ 2	
Fender Condition	Poor	Too low on townside and woodside
Posted Load Rating	136	
Road Surface	Fair	

Abutment

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

Deck

Running Surface	Fair	
Running Planks	Fair	
Sub Deck	Fair	
Ties	Fair	8x12 treated
Nails	Fair	
Deck to Girder Bolts	Fair	
Concrete Deck		
Grout Pockets		
Deck Joints		
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Fair	
Hand Rails/Walkouts		
Hardware	Fair	
Overall Deck Condition	Fair	
Gravel Depth (mm)		
Pier Deck		

Steel/Concrete

Girders	Fair
Diaphragms	Fair
Bracing	Fair
Under Trussing	
Hardware	Fair
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

Hazards

Estimated Present Water Level Depth (m)	9	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	12	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	6	Ice	☐		

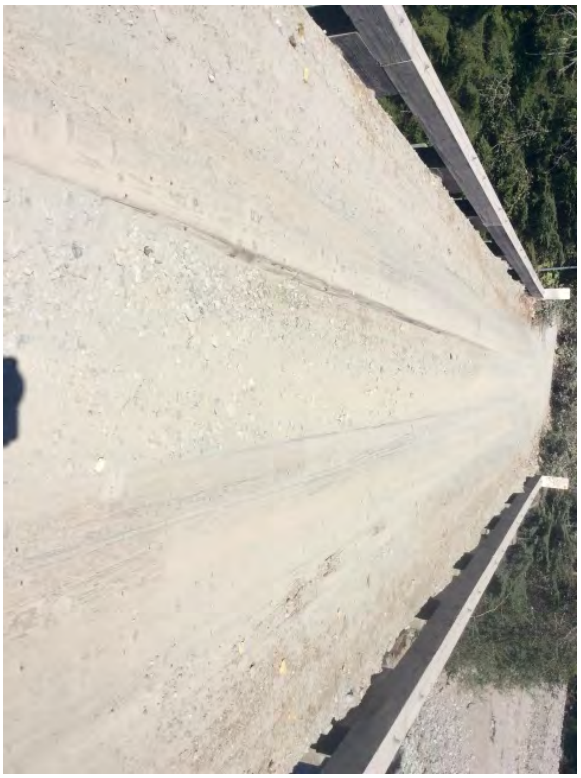
Comments

Repairs and Monitoring

	Repair Item	Repair Description
1	Approach. Approach fenders (install). 1 # of units. Priority:Medium	Too low on townside and woodside
2		
3		
4		
5		
6		
7		

Item	Monitor Description	Frequency
1		
2		
3		

Approach from Left Bank when facing downstream



Deck

Deck

Downstream from Crossing

Approach from Right Bank when facing downstream

Upstream from Crossing

Upstream Profile

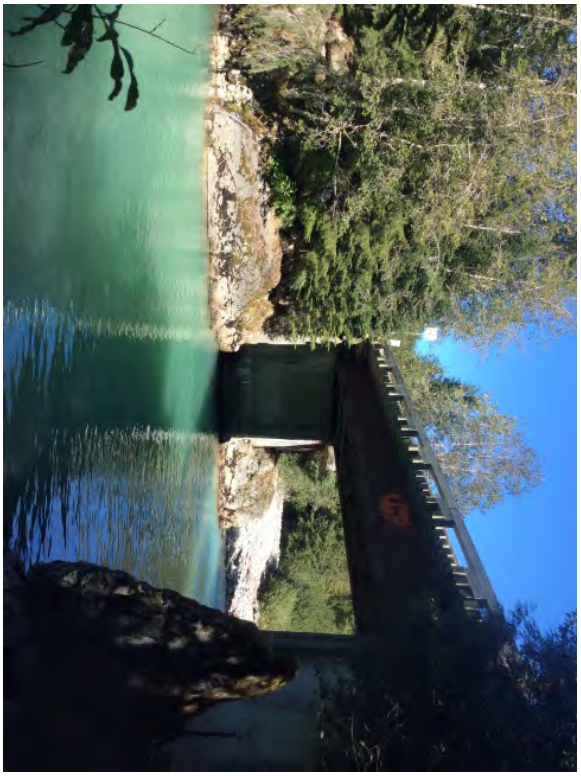
Left Bank Abutment when facing downstream

Downstream Profile

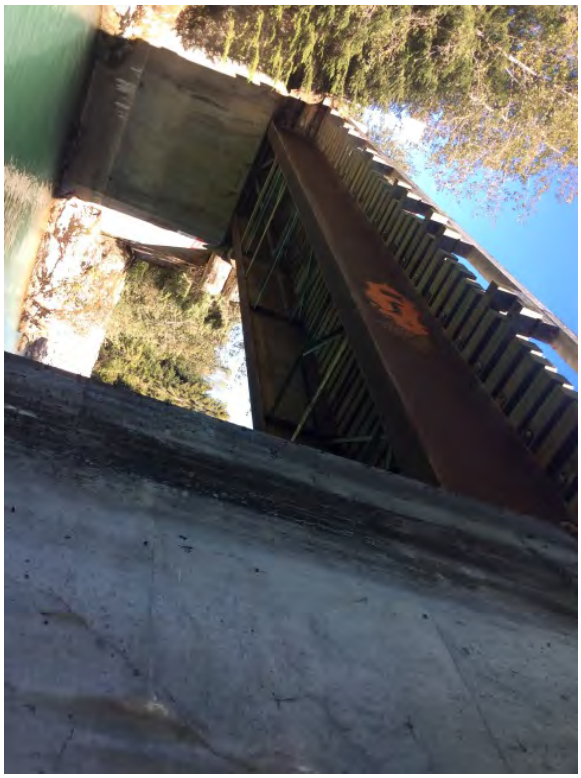
Right Bank Abutment when facing downstream

Left Bank Abutment when facing downstream

Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Downstream Profile

Townside downstream crib wall

Upstream Profile