SQ-3130
SQ-3130

MAMQUAM 01 4.5km

2020 Inspection

CBR iPad Offline Ver 0.33

BRITISH COLUMBIA

CBR Data

Latitude	Longitude
49°42'19"	-123°6'52.3"

Crossing Name	Stawamus River
FSR #	9283
Branch #	1
Road Name	MAMQUAM 01
User km	4.5
Previous Load Rating (tonnes)	136
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Concrete
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	24.8
Deck Width (m)	4.88

Updated Data

Latitude	Longitude
49°42'19.43"	-123°6'51.62"

HD Diff. (m)	19.0	Accuracy (m)	5

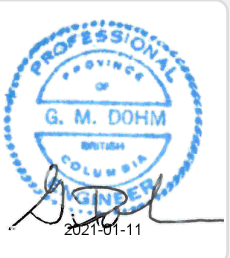
Inspection

Date of Inspection	2020-09-08 2:32:19 PM	Recommended Next Inspection Year	2021
Inspector Name	Greg Dohm	Inspection Company	FLNRORD
Serial/ID Plate			

Inspector Comments

Bearings corroding. Minor amount of corrosion on girders. Inspect annually. Inspect in 2021 as close proximity inspection with ultrasonic tester.

P.Eng Comments:
Load Rated by: MFLNRORD, Greg Dohm, PEng., Jan. 7, 2021
Load Rating: L150 or 136 tonnes
Next Inspection: 2021
Comments:Inspect annually due to corroding bearing places and girders. FLNRO to conduct close proximity inspection to determine extent of corrosion.



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	Fair	
Posted Load Rating	136	
Road Surface	Fair	

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Pier		
Concrete	Fair	
Caps or Sills	N/A	
Piles or Posts	Fair	Slight corrosion
Ballast Wall	Fair	
Wing Wall	Fair	
Bracing	Fair	
Hardware	Fair	
Fill	Fair	
Riprap	Fair	
Bearings	Fair	Bearing look ok except for significant corrosion
Corrosion Protection	Poor	Bearings corroding. Minor amount of corrosion on girders

Deck

Running Surface	Fair
Running Planks	
Sub Deck	
Ties	
Nails	
Deck to Girder Bolts	
Concrete Deck	Fair
Grout Pockets	Fair
Deck Joints	Fair
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	Bearing plates corroding and girder
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)	.3	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	6	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	6	Ice	☐		

Comments

Repairs and Monitoring

	Repair Item	Repair Description
1	Structure. . . Priority:	
2		
3		
4		
5		
6		
7		

Item	Monitor Description	Frequency
1	Bearings corroding. Minor amount of corrosion on girders. Stiffeners have some corrosion too.	Anually
2		
3		

Approach from Left Bank when facing downstream

Deck

Deck

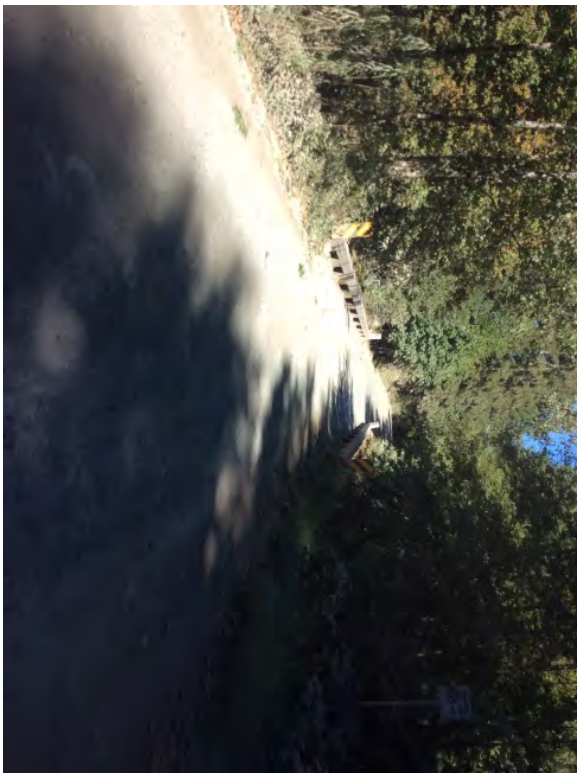
Downstream from Crossing

Bearing

Upstream from Crossing

Upstream Profile

Approach from Right Bank when facing downstream



Right Bank Abutment when facing downstream

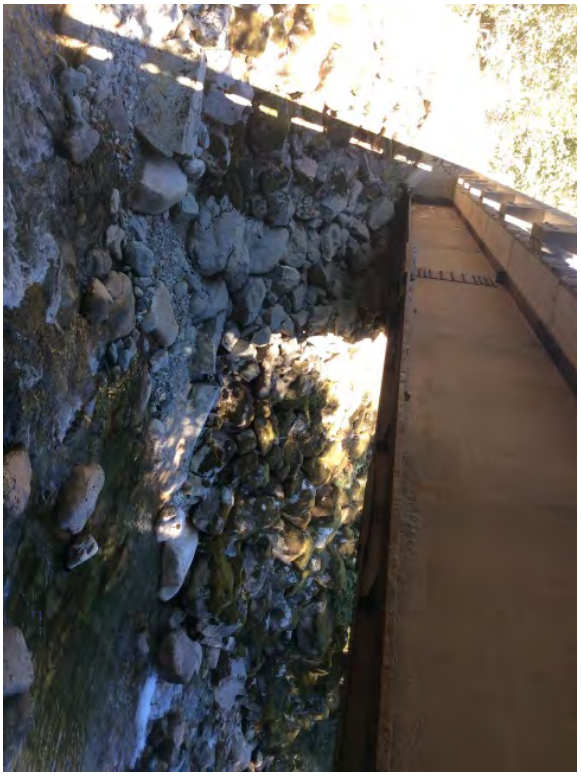
Bearing - townside corroding bearing

Left Bank Abutment when facing downstream

Right Bank Abutment when facing downstream

Superstructure

Downstream Profile



Upstream Profile

Bearing

Bearing - u/s woodside corroding bearing plates