SQ-3130
SQ-3130

MAMQUAM 01 4.5km

2021 Inspection

CBR iPad Offline Ver 0.33

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°42'19.21"	-123°6'52.2"

HD Diff. (m)	6.7	Accuracy (m)	9

Inspection

Date of Inspection	2021-09-20 12:51:28 PM	Recommended Next Inspection Year	
Inspector Name	Greg Dohm	Inspection Company	FLNRORD

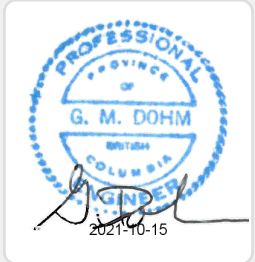
Inspector Comments

Serial/ID Plate

30mm thick of bottom flange after peeling off spalled corroded metal. Plan to do close proximity inspection to quantify extent of corrosion . Find out more about calcium chloride and it's affect on corrosion rates.

P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., Oct. 15, 2021 Load Rating: L150 or 136 tonnes
Next Inspection: 2022
Comments:Ministry plan to do close proximity inspection to quantify extent of corrosion and upgrade or replacement options that may be necessary.



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	Fair	
Posted Load Rating	136	
Road Surface	Fair	

Abutment

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

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	Corroding quite badly
Diaphragms	Fair	Corroding quite badly
Bracing	Fair	Corroding quite badly
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)	0.5	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	7	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1	
2	
3	
4	
5	
6	
7	

Item	Monitor Description	Frequency
1	Corroding steel all over bridge.	Anually
2		
3		

Approach from Right Bank when facing downstream

Upstream from Crossing

Deck

Downstream from Crossing

Upstream Profile

Deck

Bearing

Approach from Left Bank when facing downstream

Left Bank Abutment when facing downstream

Bearing - woods

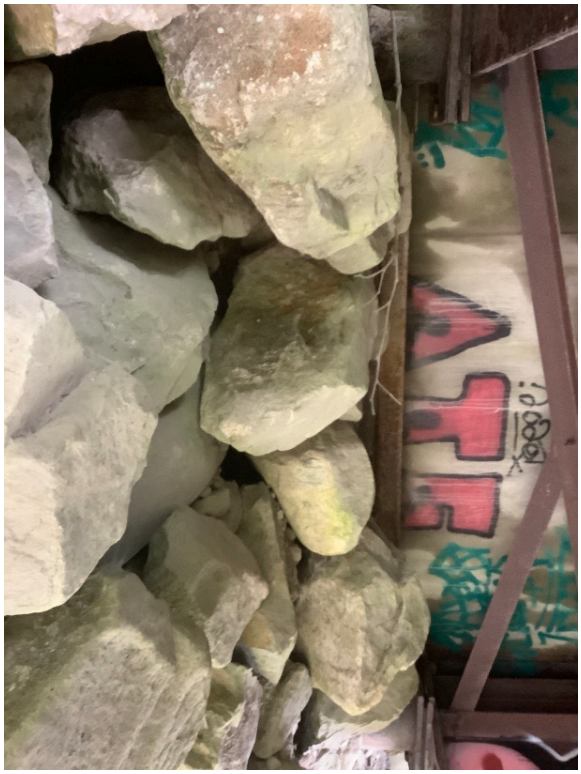
Downstream Profile

Bearing

Right Bank Abutment when facing downstream

Bearing

Left Bank Abutment when facing downstream



Bearing - town us

Bearing - town upstream