

SQ-3130
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MAMQUAM 4.5km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

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

Site Status Active

Insp. Status Inspect

Crossing Name Stawamus River

FSR # 9283 Branch # 1

Road Name MAMQUAM

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 °0'0" Longitude °0'0"

HD Diff. (m) 5533166.2 Accuracy (m)

Inspection

Date of Inspection 2022-09-28 2:18:25 PM

Inspector Name Mitch Lowe

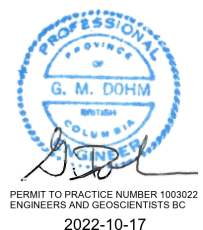
Inspector Comments Serial/ID Plate

Recommended Next Inspection 2023

Inspection Company MoF

P.Eng Comments

Load Rated by: MOF, Greg Dohm, PEng., Oct. 14, 2022
Load Rating: L150 or 136 tonnes
Next Inspection: 2023
Comments: corrosion removal and coating plan is ready for implementation by District.



PERMIT TO
PRACTICE: 1003022

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Approach

Alignment **Good**

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

Road Surface **Good**

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete **N/A**

Caps or Sills

Piles or Posts **Fair** Starting to corrode

Ballast Wall **Poor** Concrete is in good condition, but ballast wall plates and welds are badly corroded.

Wing Wall

Bracing **Poor** Badly corroded

Hardware **Poor** Badly corroded

Fill

Riprap **Fair**

Bearings **Poor** Very delaminated. Badly corroded.

Corrosion Protection **Poor** Potential issues due to calcium treatment?

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Deck

Running Surface

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Fair

Grout Pockets Fair

Deck Joints Fair Calcium leeching through concrete

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Poor 1 riser block has been struck and is rotting. Replace

Hand Rails/Walkouts

Hardware

Overall Deck Condition Fair

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Poor

Corrosion occurring at all deck joints. Corrosion start to occur on top and bottom flanges in several locations.

Diaphragms Poor

Corrosion occurring at all deck joints

Bracing Fair

Corrosion occurring

Under Trussing

Hardware Fair

Corrosion occurring

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

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Hazards

Estimated Present Water Level Depth (m)	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance	Ic	☐		
Comments				

Repairs and Monitoring

Repair Item	Repair Description
1 Structure. Delineator maintenance. 1 . Priority:Low	Install 1 LH delineator
2 Structure. Curb Maintenance. # sites. Priority:Medium	Replace upstream river left outer most riser and block.
3 Miscellaneous. Other (specify in comments). # of items. Priority:High	Unsure if snoopers or close proximity has been completed. Check corrosion against past inspections. Recommend snoopers and detailed assessment if it has not been done recently. Suggest developing some type of repair plan. More investigation required.

4

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Item	Monitor Description	Frequency
1		
2		
3		



Approach from Left Bank when facing downstream



Deck



Approach from Right Bank when facing downstream



Upstream Profile



Bearing



Superstructure



Deck



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Superstructure



Superstructure



Superstructure



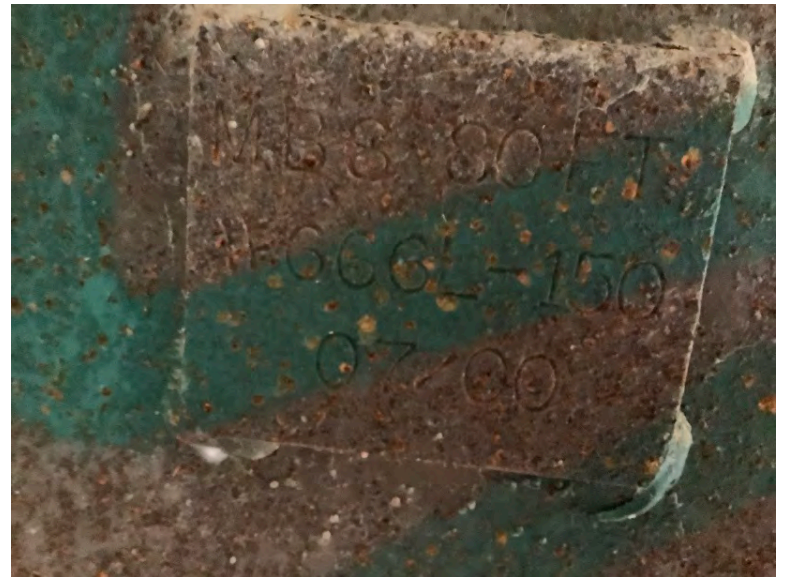
Guard Rail



Bearing



Ballast Wall



Structure ID



Right Bank Abutment when facing downstream