

SQ-3132

MAMQUAM 01 10.5km

2019 Inspection



CBR iPad Offline Ver 0.31

CBR Data

Latitude	Longitude
49°42'51"	-123°2'43.1"
Crossing Name	Raffuse Creek
FSR #	9283
Branch #	1
Road Name	MAMQUAM 01
User km	10.5
Previous Load Rating (tonnes)	68
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Concrete Composite
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	27.4
Deck Width (m)	4.88

Updated Data

Latitude	Longitude
°0'0"	°0'0"
HD Diff. (m)	5534155.8
Accuracy (m)	

Inspection

Date of Inspection 2019-09-16 3:55:01 PM

Inspector Name Richard Mills

Inspector Comments Serial/ID Plate

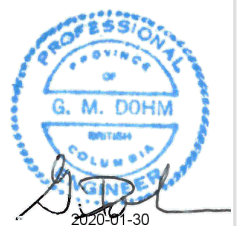
Larger riprap wall on right is undermined. Monitor.

Recommended Next Inspection Year

Inspection Company FLNRORD

P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., January 30, 2020
Load Rating: L75 or 68 tonnes
Next Inspection: 2022
Comments:



P.Eng Seal

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Approach

Alignment Fair

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Good

Posted Load Rating

Road Surface Good

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Pier N/A

Concrete Good

Caps or Sills Good

Piles or Posts Good

Ballast Wall Good

Wing Wall N/A

Bracing Good

Hardware Good

Fill Good

Riprap Fair Scoured right abutment side

Bearings Good

Corrosion Protection N/A

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**Deck**

Running Surface Good

Running Planks N/A

Sub Deck N/A

Ties N/A

Nails N/A

Deck to Girder Bolts N/A

Concrete Deck Good

Grout Pockets Good

Deck Joints Good

Steel Deck Plate N/A

Gravel Surface N/A

Curb Rail/Blocks/Posts Good

Hand Rails/Walkouts N/A

Hardware Good

Overall Deck Condition Good

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Good

Diaphragms Good

Bracing Good

Under Trussing

Hardware Good

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)	1.5	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	8.0	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	8.0	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1

2

3

Item	Monitor Description	Frequency
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1 Monitor riprap

Anually

2

3

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Approach from Right Bank when facing downstream



Crib upstream from crossing



Upstream Profile



Left Bank Abutment when facing downstream



Downstream Profile



Pothole right approach



Right Bank Abutment when facing downstream



Right Bank Abutment when facing downstream