

SQ-3052
SQ-3052

BROHM RIDGE 0.1km

2021 Inspection

CBR iPad Offline Ver 0.33



CBR Data

Latitude	Longitude
49°48'56.7"	-123°7'21"
Crossing Name	Brohm Creek
FSR #	6527
Branch #	1
Road Name	BROHM RIDGE
User km	0.1
Previous Load Rating (tonnes)	54
Structure Class	Temporary Bridge
Portable	N
Superstructure	Rail Car
Deck Type	Concrete Removable
Abutment Left	Concrete Lock Blocks
Abutment Right	Concrete Lock Blocks
Spans	1
Total Length (m)	16.4
Deck Width (m)	4.8

Updated Data

Latitude	Longitude
49°48'56.52"	-123°7'21.95"
HD Diff. (m)	19.7
Accuracy (m)	9

Inspection

Date of Inspection 2021-09-23 2:49:06 PM

Inspector Name Greg Dohm

Recommended Next Inspection Year

Inspection Company FLNRORD

Inspector Comments Serial/ID Plate

Left bank abutment wood sill has been crushed - see photos. Replace bridge. For short term continue with current load rating. Bearings areas on woods side appear undersized.

P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., Oct. 14, 2021

Load Rating: L60 or 54 tonnes

Next Inspection: 2022

Comments: Woods abutment timber sill is crushed however still functioning allowing current load rating to continue. Plan to replace bridge or upgrade bearings. To reuse the existing twin rail car superstructure it may be possible replace the timber sills with an engineered steel bearing beam or precast bearing beam with steel bearing plate set on grout bed on the existing lock blocks.



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 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Fair Miss on town side but ok

Posted Load Rating 54

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Fair

Caps or Sills Fair

Piles or Posts

Ballast Wall Fair

Wing Wall

Bracing Fair

Hardware Fair

Fill Fair

Riprap Fair

Bearings Poor Left bank abutment wood sill has been crushed - see photos

Corrosion Protection Fair

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Deck

Running Surface Fair

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts Fair

Concrete Deck Fair

Grout Pockets

Deck Joints Fair

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Good

Hand Rails/Walkouts

Hardware Fair

Overall Deck Condition Fair

Gravel Depth (mm)

Pier Deck

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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

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Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	5	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	3.2	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Substructure. Timber caps and log sills. 1 m ² . Priority:High	Left bank abutment wood sill has been crushed - see photos. Replace bridge.

2

3

4

5

6

7

Item	Monitor Description	Frequency
1		
2		
3		



Approach from Right Bank when facing downstream



Deck



Approach from Left Bank when facing downstream



Upstream Profile



Downstream Profile



Deck



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Upstream from Crossing



Downstream from Crossing



Deck



Left Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream