

SC-8100
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RAINY RIVER 3.27km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC



CBR Data

Latitude	Longitude
49°32'59.89"	-123°29'52.2"
Crossing Name	Rainy River #1
FSR #	7590
Branch #	01
Road Name	RAINY RIVER
User km	3.27
Previous Load Rating (tonnes)	
Structure Class	Permanent Bridge
Portable	Y
Superstructure	Steel I-beam
Deck Type	Steel
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	12.2
Deck Width (m)	3.66

Updated Data

Latitude	Longitude
°0'0"	°0'0"
HD Diff. (m)	5515877.7
Accuracy (m)	

Inspection

Date of Inspection 2021-10-18 12:55:54 PM

Inspector Name Richard Mills

Recommended Next Inspection Year 2023

Inspection Company FLNRORD

Inspector Comments Serial/ID Plate

Dirt on bottom flange of girders indicates recent slide material reached bottom of girders. Bottom steel sill plate slightly deformed. Possibly due to being lifted with a machine, or might be due to impact from debris flow (unlikely). No deformation or cracks noted in girders or bracing.

P.Eng Comments

Load Rated by: Richard Mills, P.Eng. Nov 16, 2021
Load Rating: TBD
Next Inspection: 2023
Comments: Provide record drawings for load rating.



P.Eng Seal

SC-8100
SC-8100

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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 Good

Posted Load Rating 68

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Good

Caps or Sills Fair Bent slightly. See notes.

Piles or Posts Good

Ballast Wall Good

Wing Wall

Bracing Good

Hardware Good

Fill Good

Riprap Fair Scoured, may require repair in future. monitor.

Bearings Fair

Corrosion Protection Good

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Deck

Running Surface **Good**

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck

Grout Pockets

Deck Joints **Good**

Steel Deck Plate **Fair** No anti skid coating. 0% grade.

Gravel Surface

Curb Rail/Blocks/Posts **Good**

Hand Rails/Walkouts

Hardware **Good**

Overall Deck Condition **Good**

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Fair

Minor rust scale. No signs of damage to girders

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)	1.0	High Water	☒	Debris	☒
Estimated Present Water Level Width (m)	2.0	Aggradation	☒	Scour	☒
Estimated High Water Level Clearance (m)	0.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
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1

2

3

4

5

6

7

Item	Monitor Description	Frequency
1	Monitor riprap, sills	Routine Inspection
2		
3		

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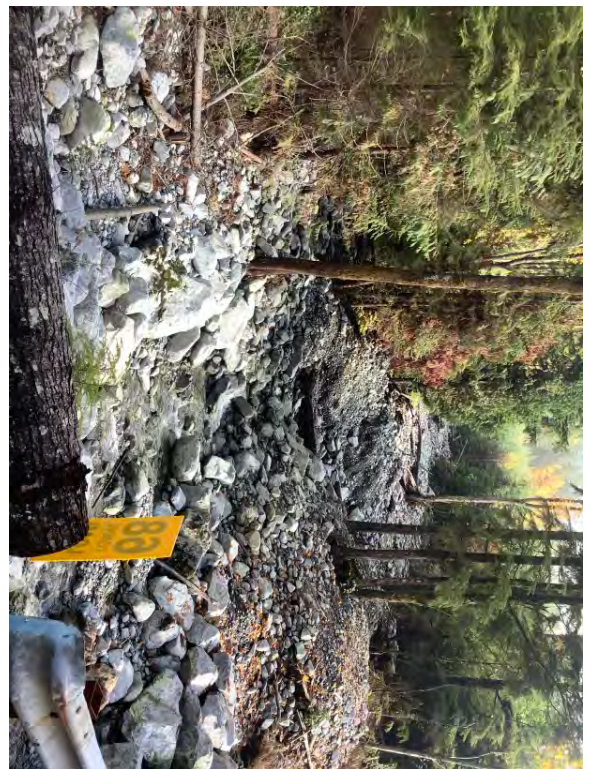
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Approach from Right Bank when facing downstream



Load Rating Sign



Upstream from Crossing



Downstream from Crossing

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Downstream Profile



Approach from Left Bank when facing downstream



Right Bank Abutment when facing downstream



Upstream Profile



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Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Superstructure



Right Bank Abutment when facing downstream

