

CK-2278
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SUMALLO 1.4km

2020 Inspection

CBR iPad Offline Ver 0.33



CBR Data

Latitude	Longitude
49°15'54.6"	-121°14'20"
Crossing Name	Sumalo River
FSR #	7510
Branch #	1
Road Name	SUMALLO
User km	1.4
Previous Load Rating (tonnes)	68
Structure Class	Permanent Bridge
Portable	N
Superstructure	Compo Girders
Deck Type	Concrete Composite
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	24.3
Deck Width (m)	4.3

Updated Data

Latitude	Longitude
49°15'56.56"	-121°14'20.77"
HD Diff. (m)	62.5
Accuracy (m)	10
L75 or 68 tonnes	

Inspection

Date of Inspection 2020-06-17 8:27:33 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2023

Inspection Company FLNRORD

Inspector Comments

P.Eng Comments

Replace guardrail, risers and blocks. Brush and grade approaches when active and post bridge ahead signs. The current load rating of L75 or 68 tonnes to continue.



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Approach

Alignment Fair

HC and VC left approach limits visibility

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Yes

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Good

Posted Load Rating Not posted

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts Good

Ballast Wall Good

Wing Wall

Bracing Good

Hardware

Fill Good

Riprap Good

Bearings Good

Corrosion Protection Good

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Deck

Running Surface Good

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Good

Grout Pockets Good

Deck Joints Good

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Poor Rotten risers and blocks

Hand Rails/Walkouts

Hardware Poor Loose rail bolts

Overall Deck Condition Poor Due to rail condition

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Good

Composite girders

Diaphragms Good

2 welded bays

Bracing

Under Trussing

Hardware

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)	12.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	3.0	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Structure. Full Curb Replacement. . Priority:Medium	Replace guardrail, risers and blocks
2 Approach. Area/sight line brushing. m². Priority:Low	Brush and grade approaches
3 Approach. Bridge Ahead Signs. # of signs. Priority:Low	Post bridge ahead signs

4

5

6

7

Item	Monitor Description	Frequency
1		
2		
3		



Approach from Left Bank when facing downstream



Approach from Left Bank when facing downstream



Deck



Upstream from Crossing



Downstream from Crossing



Risers and blocks rotten



Approach from Right Bank when facing downstream



Left Bank Abutment when facing downstream



Superstructure



Traffic counter at upstream right bank



Upstream Profile



Right Bank Abutment when facing downstream