

CK-2019

CAYOOSE 0.1km

2019 Inspection

CBR iPad Offline Ver 0.31



CBR Data

Latitude	Longitude		
49°12'16.49"	-120°59'59.1"		
Crossing Name	Skagit River		
FSR #	8110	Branch #	1
Road Name	CAYOOSE		
User km	0.1		
Previous Load Rating (tonnes)	40		
Structure Class	Permanent Bridge		
Portable	Y		
Superstructure	Steel Truss/Bailey/Acrow		
Deck Type	Timber - Untreated		
Abutment Left	Concrete Lock Blocks		
Abutment Right	Concrete Lock Blocks		
Spans	1		
Total Length (m)	27.4		
Deck Width (m)	3.85		

Updated Data

Latitude	Longitude		
49°12'17.27"	-120°59'58.92"		
HD Diff. (m)	24.0	Accuracy (m)	5
BCL-625 or 64 tonnes			
Temporary Bridge			
Y			

Inspection

Date of Inspection 2019-07-12 9:21:53 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2021

Inspection Company FLNRORD

Inspector Comments

P.Eng Comments

Replace missing cotter pins; replace missing guardrail hardware at upstream left approach, replace missing delineators at left approach; tighten loose swaybracing; tighten loose transom set bolts/fasteners; and grade approaches. Monitor the condition of the steel and concrete components. The design load rating of BCL-625 or 64 tonnes to continue.



2019-09-17

P.Eng Seal

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Approach

Alignment Fair

VC right approach limits visibility

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

Not posted

Road Surface Fair

100mm wheel ruts

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Fair

Lock block columns at each corner and spalling

Caps or Sills Fair

Piles or Posts

Ballast Wall Good

Lock blocks

Wing Wall

Bracing

Hardware Fair

Fill Good

Riprap Good

Bearings Good

Corrosion Protection

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Deck

Running Surface

Running Planks Good

Sub Deck

Ties Good 75mm x 250mm

Nails Good

Deck to Girder Bolts Poor None but ties are notched and restricted from movement

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Fair Left approach slight damage and missing hardware

Hand Rails/Walkouts

Hardware Fair Missing single guardrail bolt

Overall Deck Condition Fair

Gravel Depth (mm)

Pier Deck

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**Steel/Concrete**

Girders Fair

Double single reinforced Acrow/Bailey with corrosion on all components, minor damage noted on some components

Diaphragms

Bracing Fair

Some swaybracing loose

Under Trussing Fair

Hardware Fair

Still missing some cotter pins and some transom set bolts/fasteners loose

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)	11	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	2.5	Ice	☐		

Comments Debris accumulations noted 30m upstream on low gradient stream

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	Medium	Replace missing hardware at upstream left approach guardrail
2	Medium	Replace missing delineators at left approach, and grade both approaches
3	Medium	Replace missing cotter pins, tighten loose swaybraces and transom set bolts/fasteners

Item	Monitor Description	Frequency
1	Steel condition	Routine Inspection
2	Spalling concrete	Routine Inspection
3		

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Deck



Upstream from Crossing



Downstream from Crossing



Approach from Left Bank when facing downstream



Guard Rail damage noted at down stream left approach



Up stream left approach guard rail missing hardware



Upstream left approach pin loose



Transom corrosion - typical



Bracing condition - typical



Right Bank Abutment when facing downstream



Superstructure



Right upstream lock block spall



Up stream right bank chord condition



Down stream. Right bank chord condition



Left Bank Abutment when facing downstream