CK-2019	CAYOOSE CREEK 0.1km	2015 Inspection

CBR iPad Offline Ver 0.20

CBR Data

Latitude	Longitude
49°12'16.59"	-120°59'59.1"

Crossing Name	Skagit River
FSR #	8110 Branch # 1
Road Name	CAYOOSE CREEK
User km	0.1
Current Load Rating (tonnes)	63
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°12'16.49"	-120°59'59.1"

HD Diff. (m)	7.0	Accuracy (m)	5

Inspection

Date of Inspection	2015-06-23 9:45:24 AM		
Inspector Name	Tyson Miller	Inspection Company	MFLNRO

Inspector Comments

P.Eng Comments

Replace missing cotter pins and delineators prior to industrial activity. The deck is nearing the end of its industrial life (8 years old). When the deck is replaced, replace the 2 missing steel stringers. Brush approaches and replace bridge ahead signs. Present load rating of CL-625 or 63 tonnes to continue.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
T. W. MILLER
35995

P.Eng Seal

Nov 19/2015

Approach

Alignment	Fair	VC right approach
Bridge Ahead Signs Missing	0 1 (•) 2	
Brushing Required	Y	
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	N/A	
Tie Backs	N/A	
Bin Wall	N/A	
Concrete	Fair	4 concrete lock lock columns
Caps or Sills	Fair	steel plate grouted onto lock blocks
Piles or Posts	N/A	
Ballast Wall	Good	lock blocks
Wing Wall	N/A	
Bracing	N/A	
Hardware	Fair	
Fill	Good	
Riprap	Good	
Bearings	Good	
Corrosion Protection	N/A	

Deck

Running Surface	N/A	
Running Planks	Fair	rot starting to show underneath
Sub Deck	N/A	
Ties	Fair	100mm x 250mm
Nails	Fair	
Deck to Girder Bolts	N/A	ties notched to fit onto steel stringers
Concrete Deck	N/A	
Grout Pockets	N/A	
Deck Joints	N/A	
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Fair	
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Fair	
Gravel Depth (mm)		

Steel/Concrete

Serial/ID Plate		
Girders	Fair	8 panels
Diaphragms	N/A	
Bracing	Fair	
Under Trussing	Fair	
Hardware	Fair	missing a total of 58 cotter pins
Welded/grouted shear connectors	N/A	

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

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)	4.0	Ice ☐	

Comments: transom depth at centre = 310mm
transom depth at ends = 256mm
transom width = 127mm

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	replace all missing cotter pins prior to activity
2	Medium	replace missing delineators
3		

Item	Monitor Description	Frequency
1	deck life	Anually
2		
3		

Sketch
(Select Signature)

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Approach from Right Bank when facing downstream

Approach from Left Bank when facing downstream

Deck

end post bearing - typical

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Right Bank Abutment when facing downstream

missing steel stringers in 2 separate locations , 20 feet total

paired transom - typical

53 missing cotter pins on top
3 missing cotter pins on bearing
2 missing cotter pins on bottom

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end detail

decking starting to rot

Left Bank Abutment when facing downstream

damage to outside panel , right abutment