SC-8016
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DUCK LAKE 14.1km

2021 Inspection

CBR iPad Offline Ver 0.34 - DSC

BRITISH COLUMBIA

CBR Data

Latitude	Longitude
49°52'51.3"	-124°24'57.6"

Crossing Name	Not Known
FSR #	3477
Branch #	01
Road Name	DUCK LAKE
User km	14.1
Previous Load Rating (tonnes)	150
Structure Class	Permanent Bridge
Portable	N
Superstructure	Concrete Slab Girders
Deck Type	Concrete
Abutment Left	Concrete Lock Blocks
Abutment Right	Concrete Lock Blocks
Spans	1
Total Length (m)	10
Deck Width (m)	5.5

Updated Data

Latitude	Longitude
49°52'51.54"	-124°24'57.69"

HD Diff. (m)	7.6	Accuracy (m)	10

Inspection

Date of Inspection: 2021-10-05 10:27:50 AM

Recommended Next Inspection Year

Inspector Name: Forrest Simpson

Inspection Company: FLNRORD

Inspector Comments

Serial/ID Plate

Replace guardrails.

P.Eng Comments

Load Rated by: Richard Mills, P.Eng. Jan 5, 2022
Load Rating: L165 or 150 tonnes
Next Inspection: 2024
Comments: Replace guardrails.

P.Eng Seal

Approach

Alignment	Fair	Blind curve
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		None
Road Surface	Good	

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Pier		
Concrete	Good	
Caps or Sills	Good	
Piles or Posts		
Ballast Wall	Fair	Rock filled gabion baskets
Wing Wall		
Bracing		
Hardware		
Fill	Good	
Riprap	Fair	Minimal, small, signs of movement
Bearings	Good	
Corrosion Protection		

Deck

Running Surface	Good	
Running Planks		
Sub Deck		
Ties		
Nails		
Deck to Girder Bolts		
Concrete Deck	Good	
Grout Pockets		
Deck Joints	Good	
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Poor	Rotten rails and riser blocks
Hand Rails/Walkouts		
Hardware	Poor	Loose
Overall Deck Condition	Poor	Due to guardrails
Gravel Depth (mm)		
Pier Deck		

Steel/Concrete

Girders	Good
Diaphragms	
Bracing	
Under Trussing	
Hardware	
Welded/grouted shear connectors	Good

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)	0.2	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	2	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	3	Ice ☐	

Comments

Repairs and Monitoring

	Repair Item	Repair Description
1	Structure. Full Curb Replacement. . Priority:High	Replace all guard rail components
2	Approach. Add Warning Signs. 1 # of signs. Priority:Medium	Install missing delineators
3		
4		
5		
6		
7		

Item	Monitor Description	Frequency
1		
2		
3		

Approach from Left Bank when facing downstream

Guard Rail

Deck

Approach from Right Bank when facing downstream

Right Bank Abutment when facing downstream

Guard Rail

Ballast Wall

Left Bank Abutment when facing downstream

Downstream from Crossing

Upstream from Crossing

Superstructure