SQ-3109
SQ-3109

PHELIX CREEK 3.3km

2021 Inspection

CBR iPad Offline Ver 0.33

BRITISH COLUMBIA

CBR Data

Latitude	Longitude
50°35'28.89"	-122°38'49.9"

Crossing Name	Phelix Creek
FSR #	8354
Branch #	2
Road Name	PHELIX CREEK
User km	3.3
Previous Load Rating (tonnes)	0
Structure Class	Temporary Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Timber - Untreated
Abutment Left	Crib, Log or Untreated Timber
Abutment Right	Crib, Log or Untreated Timber
Spans	1
Total Length (m)	14.8
Deck Width (m)	4.8

Updated Data

Latitude	Longitude
50°35'29.3"	-122°38'48.84"

HD Diff. (m)	24.3	Accuracy (m)	6

Inspection

Date of Inspection: 2021-09-22 10:03:49 AM

Recommended Next Inspection Year

Inspector Name: Greg Dohm

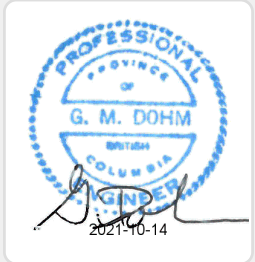
Inspection Company: FLNRORD

Inspector Comments

Serial/ID Plate

P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., Oct. 14, 2021
Load Rating: L75 or 68 tonnes
Next Inspection: 2023
Comments:



P.Eng Seal

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	Fair

Abutment

Log/Timber Cribs	Fair
Tie Backs	Fair
Bin Wall	
Pier	
Concrete	
Caps or Sills	
Piles or Posts	
Ballast Wall	Good
Wing Wall	
Bracing	
Hardware	
Fill	Good
Riprap	Good
Bearings	Good
Corrosion Protection	Good

Deck

Running Surface	Fair	
Running Planks	Fair	Needs protruding plank to be spike down
Sub Deck	Good	
Ties	Good	8”x10” creosote
Nails	Fair	
Deck to Girder Bolts	Good	
Concrete Deck		
Grout Pockets		
Deck Joints		
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Fair	Needs woods side tie to curb connection to be repaired
Hand Rails/Walkouts		
Hardware	Good	
Overall Deck Condition	Fair	
Gravel Depth (mm)		
Pier Deck		

Steel/Concrete

Girders	Good
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

Hazards

Estimated Present Water Level Depth (m)	0.6	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	7	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	4	Ice	☐		

Comments

Repairs and Monitoring

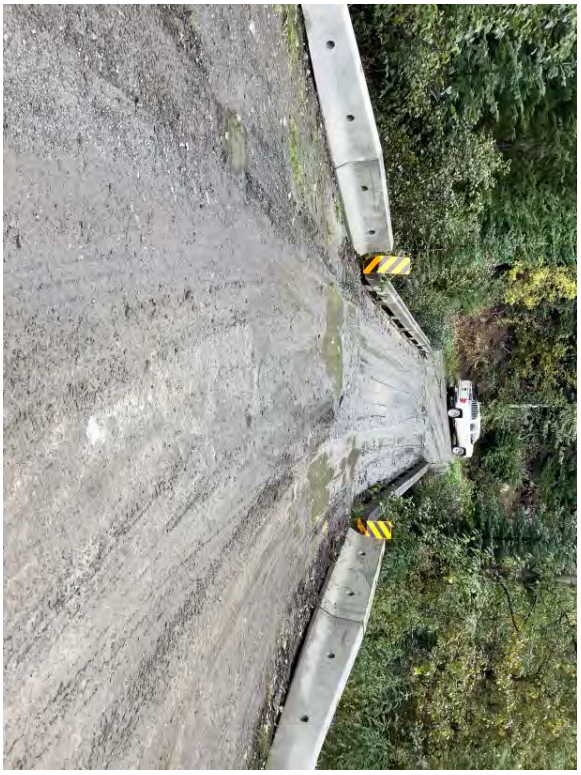
	Repair Item	Repair Description
1	Structure. Timber deck maintenance. 1 # of signs. Priority:Low	Guard Rail - should be replaced with continuous riser due to poor quality tie riser connection with a 4.8 x 0.25 x 0.25 see photos
2	Structure. Timber deck maintenance. 1 # of signs. Priority:Medium	Wear plank protruding up needs spiking down
3		
4		
5		
6		
7		

Item	Monitor Description	Frequency
1		
2		
3		

Approach from Left Bank when facing downstream

Deck

Deck



Approach from Right Bank when facing downstream

Upstream Profile

Upstream from Crossing

Ballast Wall

Downstream from Crossing

Deck

Right Bank Abutment when facing downstream

Downstream Profile

Left Bank Abutment when facing downstream

Guard Rail

Guard Rail - need to replace with continuous riser due to poor quality tie riser connection