SQ-3153	BRITANNIA 01 6.9km	2019 Inspection

CBR iPad Offline Ver 0.31

CBR Data

Latitude	Longitude
49°37'34.1"	-123°9'28.5"

Crossing Name	Britiannia Creek
FSR #	8321
Branch #	1
Road Name	BRITANNIA 01
User km	6.9
Previous Load Rating (tonnes)	91
Structure Class	Permanent Bridge
Portable	Y
Superstructure	Steel I-beam
Deck Type	Concrete Composite
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	18.3
Deck Width (m)	4.3

Updated Data

Latitude	Longitude
°0'0"	°0'0"

HD Diff. (m)	5524356.5	Accuracy (m)	

Inspection

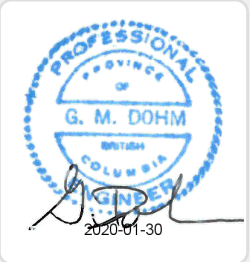
Date of Inspection	2019-09-16 12:23:18 PM	Recommended Next Inspection Year	
Inspector Name	Richard Mills	Inspection Company	FLNRORD

Inspector Comments

Serial/ID Plate

P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., January 30, 2020
Load Rating: L100 or 91 tonnes
Next Inspection: 2022
Comments:



P.Eng Seal

Approach

Alignment	Good	
Bridge Ahead Signs Missing	0 1 2	
Brushing Required	N	
Delineator Missing Left	0 1 2	
Delineator Missing Right	0 1 2	
Fender Condition	Poor	2 missing
Posted Load Rating	91	
Road Surface	Good	

Abutment

Log/Timber Cribs	N/A	
Tie Backs	N/A	
Bin Wall	N/A	
Pier	N/A	
Concrete	Good	
Caps or Sills	Good	
Piles or Posts	Good	
Ballast Wall	Good	
Wing Wall	N/A	
Bracing	Good	
Hardware	Good	
Fill	Good	
Riprap	Fair	Erosion under bottom of riprap on left.
Bearings	Good	
Corrosion Protection	Good	

Deck

Running Surface	Good	
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	Good	
Grout Pockets	Good	
Deck Joints	Good	
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Fair	Will need to replace in few years
Hand Rails/Walkouts	N/A	
Hardware	Good	
Overall Deck Condition	Good	
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)	1.5	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	4.0	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	4.0	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	Add approach barriers
2		
3		

Item	Monitor Description	Frequency
1	Monitor scour left abutment	Anually
2		
3		

Sketch
(Select Signature)

Approach from Left Bank when facing downstream

Left Bank Abutment when facing downstream

Approach from Right Bank when facing downstream

Left Bank Abutment when facing downstream