CK-2139	STS'AILES (WEST) 42km	2019 Inspection

CBR iPad Offline Ver 0.31

CBR Data

Latitude	Longitude
49°35'29.79"	-121°55'49.1"

Crossing Name	Kirkland Creek		
FSR #	6314	Branch #	1
Road Name	STS'AILES (WEST)		
User km	42		
Previous Load Rating (tonnes)	136		
Structure Class	Permanent Bridge		
Portable	N		
Superstructure	Steel I-beam		
Deck Type	Concrete Composite		
Abutment Left	Steel Pipe and Precast Pad		
Abutment Right	Concrete Cast in Place		
Spans	1		
Total Length (m)	27.4		
Deck Width (m)	4.9		

Updated Data

Latitude	Longitude
49°35'30.03"	-121°55'48.86"

HD Diff. (m)	8.6	Accuracy (m)	10

L150 or 136 tonnes

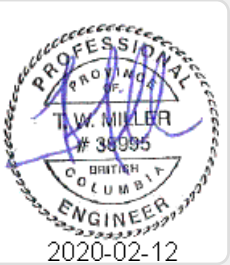
Inspection

Date of Inspection	2019-08-26 12:49:50 PM	Recommended Next Inspection Year	2022
Inspector Name	Tyson Miller	Inspection Company	FLNRORD

Inspector Comments

P.Eng Comments

The current load rating of L150 or 136 tonnes to continue.



2020-02-12

P.Eng Seal

Approach

Alignment	Fair	HC and VC right approach
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	136090	
Road Surface	Good	

Abutment

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

Deck

Running Surface	Good	
Running Planks		
Sub Deck		
Ties		
Nails		
Deck to Girder Bolts		
Concrete Deck	Good	Minor damage due to track equipment
Grout Pockets	Good	
Deck Joints	Good	
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Good	
Hand Rails/Walkouts		
Hardware	Good	
Overall Deck Condition	Good	
Gravel Depth (mm)		
Pier Deck		

Steel/Concrete

Girders	Good	
Diaphragms	Good	5 bolted bays
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)	0.2	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	6.0	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	4.0	Ice ☐	

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1		
2		
3		

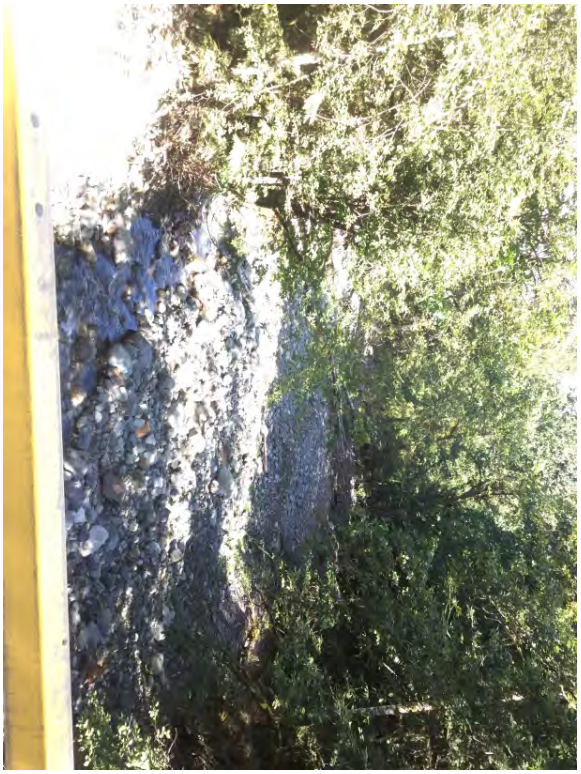
Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)

Upstream from Crossing

Approach from Left Bank when facing downstream

Downstream from Crossing



Deck

Minor damage to deck from track equipment

Structure ID

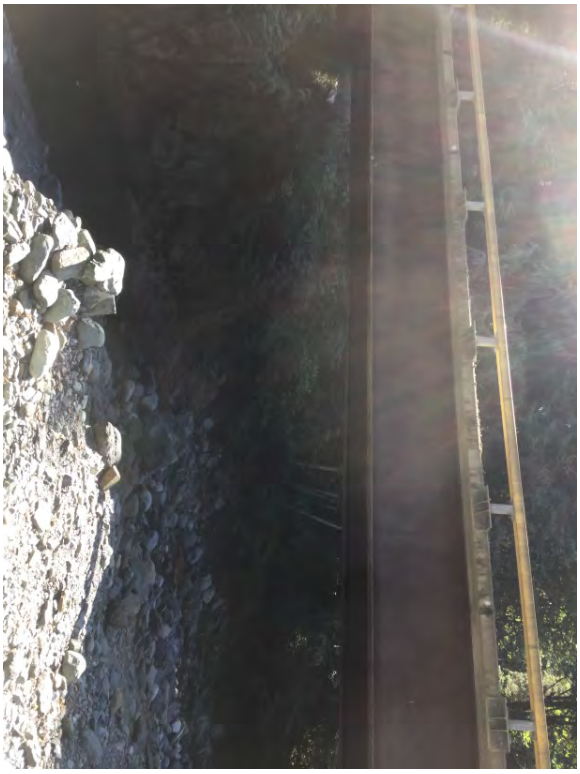
Approach from Right Bank when facing downstream

Bearing shim - typical

Right Bank Abutment when facing downstream

Left Bank Abutment when facing downstream

Downstream Profile



Superstructure

Splice plates