CK-2093	FLORENCE LAKE 7km	2018 Inspection

CBR iPad Offline Ver 0.28

CBR Data

Latitude	Longitude
49°16'54.3"	-122°21'52.2"

Crossing Name	79 Creek		
FSR #	8648	Branch #	1
Road Name	FLORENCE LAKE		
User km	7		
Current Load Rating (tonnes)	54		
Structure Class	Permanent Bridge		
Portable	N		
Superstructure	Other		
Deck Type	Concrete Composite		
Abutment Left	Steel Pipe and Precast Pad		
Abutment Right	Steel Pipe and Precast Pad		
Spans	1		
Total Length (m)	30.1		
Deck Width (m)	5		

Updated Data

Latitude	Longitude
49°16'55.16"	-122°21'52.47"

HD Diff. (m)	27.1	Accuracy (m)	10
	6.9		
	L60 or 54 tonnes		
	Compo Girders		

Inspection

Date of Inspection	2018-04-25 9:16:32 AM	Recommended Next Inspection Year	2021
Inspector Name	Tyson Miller	Inspection Company	MFLNRO

Inspector Comments

P.Eng Comments

Repair/replace the damaged sections of guardrail. Remove the downed trees noted upstream (or cut into small pieces so they flow through the crossing in high flows). Monitor the CIP under the large boulder at the left abutment. Present load rating of L60 or 54 tonnes to continue.

09/01/2019

P.Eng Seal

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Approach

Alignment	Fair	HC left 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		Not posted
Road Surface	Good	

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Concrete		
Caps or Sills		
Piles or Posts	Good	
Ballast Wall	Good	
Wing Wall	Good	
Bracing	Good	
Hardware		
Fill	Good	
Riprap	Fair	Monitor CIP under boulder at left bank
Bearings	Fair	
Corrosion Protection	Fair	

Deck

Running Surface	Good	
Running Planks		
Sub Deck		
Ties		
Nails		
Deck to Girder Bolts		
Concrete Deck	Good	
Grout Pockets	Good	
Deck Joints	Good	
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Fair	Minor damage noted in 2 locations but still functional
Hand Rails/Walkouts		
Hardware	Good	
Overall Deck Condition	Fair	
Gravel Depth (mm)		

Steel/Concrete

Girders	Good	
Diaphragms	Good	2 bolted bays
Bracing		
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)	1.0	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	10.0	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	2.5	Ice ☐	

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	Remove trees noted upstream or cut into small pieces so they will pass at high flows
2	Medium	Repair/replace damaged sections of guardrail
3		

Item	Monitor Description	Frequency
1	CIP under large boulder at left bank	Routine Inspection
2		
3		

Sketch
(Select Signature)

CK-2093 FLORENCE LAKE 7km 2018 Inspection

Approach from Right Bank when facing downstream

Guardrail damage upstream right bank

Deck

Looking upstream from deck - full length trees noted 40 meters upstream

CK-2093 FLORENCE LAKE 7km 2018 Inspection

Looking downstream from deck

Right Bank Abutment when facing downstream

Approach from Left Bank when facing downstream

Superstructure

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Damage noted to downstream left bank guardrail

Upstream Profile

Downstream left bank precast wingwall - slight out of alignment with ballast wall

Left Bank Abutment when facing downstream

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CIP to support large boulder in front of abutment at left bank

Utility hung fastened to underside of deck

Minor bulging of bearing pads at right bank, and slight deformation noted