CK-2450	NORRISH 5.1km	2019 Inspection

CBR iPad Offline Ver 0.31

CBR Data

Latitude	Longitude
49°13'8.29"	-122°8'52.8"

Crossing Name	Unknown
FSR #	10326
Branch #	1
Road Name	NORRISH
User km	5.1
Previous Load Rating (tonnes)	63
Structure Class	Major Culvert
Culvert Type	Round
Culvert Material	Corrugated Steel
Opening Height (mm)	2200
Opening Width (mm)	2200
Inlet Cover (mm)	300
Outlet Cover (mm)	400
Culvert Gradient %	5
Culvert Length (m)	9

Updated Data

Latitude	Longitude
49°13'8.76"	-122°8'53.53"

HD Diff. (m)	20.4	Accuracy (m)	5

BCL-625 or 63 tonnes

Inspection

Date of Inspection	2019-08-13 1:36:32 PM	Recommended Next Inspection Year	2020
Inspector Name	Tyson Miller	Inspection Company	FLNRORD

Inspector Comments

No indications that the large log at the outlet has moved since last inspection

P.Eng Comments

Continue to monitor the log retaining fill at the outlet. Brush approaches and remove the vegetation from the inlet. Excavate a small sump at the inlet. The current load rating of BCL-625 or 63 tonnes to continue.

P.Eng Seal

Approach

Alignment	Fair	HC at both approaches
Bridge Ahead Signs Missing	○ 0 ○ 1 ○ 2	
Brushing Required	Y	Inside of curve can be brushed to increase visibility
Delineator Missing Left	○ 0 ○ 1 ○ 2	
Delineator Missing Right	○ 0 ○ 1 ○ 2	
Fender Condition		
Posted Load Rating		
Road Surface	Good	

Abutment

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

Culvert

Baffles		
Bolted Connections		
Coating	Fair	Minor corrosion on floor
Coupled Connections		
Embedment Materials		
Fill	Fair	
Floor	Fair	Last 2 m has slight dip in floor
Footing		
Head Walls		
Inlet	Fair	Minor aggradation
Outlet	Fair	1 m drop
Overall	Fair	
Rip Rap	Fair	Lock blocks and rock retain fill at inlet
Roof	Fair	
Sidewalls	Fair	
Trash Rack		
Weirs/Backwater Structures		
Wing Walls		

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Hazards

Estimated Present Water Level Depth (m)	0.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	2.0	Aggradation	☒	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Minor aggradation at inlet

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	Remove the vegetation from the inlet and excavate a small sump
2	Low	Brush the inside of the curve
3		

Item	Monitor Description	Frequency
1	Large large log retaining fill at outlet	Anually
2		
3		

Sketch
(Select Signature)

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Approach from Left Bank when facing downstream

Downstream from Crossing

Upstream from Crossing

Approach from Right Bank when facing downstream

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Outlet

Inlet

Large log retaining fill at outlet

Eroding fill inlet

Large log retaining fill at outlet

Large log retaining fill at outlet