CK-2457	NORRISH CREEK 13.6km	2018 Inspection

CBR iPad Offline Ver 0.26

CBR Data

Latitude	Longitude
49°16'31.69"	-122°5'23.8"

Crossing Name	Unknown
FSR #	10326
Branch #	1
Road Name	NORRISH CREEK
User km	13.6
Current Load Rating (tonnes)	63
Structure Class	Major Culvert
Culvert Type	Open Bottom
Culvert Material	Corrugated Steel
Opening Height (mm)	1440
Opening Width (mm)	2740
Inlet Cover (mm)	600
Outlet Cover (mm)	700
Culvert Gradient %	
Culvert Length (m)	10

Updated Data

Latitude	Longitude
49°16'31.73"	-122°5'24.49"

HD Diff. (m)	14.0	Accuracy (m)	5

BCL-625 or 63 tonnes

700

900

Inspection

Date of Inspection	2018-08-21 11:16:15 AM	Recommended Next Inspection Year	2019
Inspector Name	Tyson Miller	Inspection Company	MFLNRO

Inspector Comments

Wrong structure for crossing location. Consider replacing the structure.

P.Eng Comments

Clean the inlet and monitor future aggradation, especially following heavy precipitation or rain on snow events. Consider replacing the structure. Current load rating of BCL-625 or 63 tonnes to continue.

P.Eng Seal

Approach

Alignment	Good			
Bridge Ahead Signs Missing	X 0	○ 1	○ 2	
Brushing Required	N			
Delineator Missing Left	X 0	○ 1	○ 2	
Delineator Missing Right	X 0	○ 1	○ 2	
Fender Condition				
Posted Load Rating		Not posted		
Road Surface	Good			

Abutment

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

Culvert

Baffles		
Bolted Connections	Good	
Coating	Good	
Coupled Connections		
Embedment Materials	Fair	
Fill	Fair	
Floor		
Footing	Fair	Settling on left bank side
Head Walls		
Inlet	Fair	Aggrading and 50% blocked
Outlet	Fair	
Overall	Fair	
Rip Rap	Fair	
Roof	Fair	
Sidewalls	Fair	
Trash Rack		
Weirs/Backwater Structures		
Wing Walls		

Hazards

Estimated Present Water Level Depth (m)	0.2	High Water	X	Debris	X
Estimated Present Water Level Width (m)	1.5	Aggradation	X	Scour	X
Estimated High Water Level Clearance (m)	0	Ice			

Comments: Stream aggrades annually. This structure should be replaced

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Clean the inlet
2		
3		

Item	Monitor Description	Frequency
1	Monitor aggradation	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

Inlet

Outlet

Outlet

Consistent bearing on both footings, right bank settlement of left footing noted

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Organics and lack of riprap at inlet