

CK-2450

NORRISH CREEK 5.1km

2017 Inspection



CBR iPad Offline Ver 0.26

CBR Data

Latitude	Longitude
49°13'9.23"	-122°8'52.4"
Crossing Name	Unknown
FSR #	10326
Branch #	1
Road Name	NORRISH CREEK
User km	5.1
Current 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)	8

Updated Data

Latitude	Longitude
49°13'8.28"	-122°8'52.82"
HD Diff. (m)	30.8
Accuracy (m)	10
9	

Inspection

Date of Inspection 2017-08-24 8:36:12 AM

Recommended Next Inspection Year 2018

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

A recent fill slope failure occurred at the downstream right approach. The base of this repair is immediately above the location of the large log retaining fill. If that log moves there is risk that all the fill below culvert (and perhaps the road prism itself) will fail as well. Recommend replacing the large log before that happens

P.Eng Comments

Monitor log retaining fill at outlet of culvert. Consider replacing log with permanent materials or replace the entire structure. Current load rating of BCL-625 or 63 tonnes to continue.



05/02/2018

P.Eng Seal

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Approach

Alignment Fair

HC both approaches

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 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

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Culvert

Baffles

Bolted Connections

Coating

Fair

Coupled Connections

Embedment Materials

Fill

Fair

Fair to poor as fill slope below culvert is held in place by a large log on erodible materials

Floor

Fair

Footing

Head Walls

Inlet

Fair

Outlet

Fair

Overall

Fair

Rip Rap

Fair

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)	1.5	Aggradation	☒	Scour	☐
Estimated High Water Level Clearance (m)	1.0	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
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1

2

3

Item

Monitor Description

Frequency

1	Large log retaining fill	Anually
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2

3

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Looking upstream from road



Approach from Left Bank when facing downstream



Looking downstream from road



Approach from Right Bank when facing downstream



Downstream right approach fill slope repair



Approach from Right Bank when facing downstream



Inlet



Outlet



Log retaining fill not anchored on right bank



Log retaining much of the fill below culvert



Log retaining fill anchored in middle (approx) and left bank



Log retaining fill middle anchor bears on organics (old log)



Downstream right bank fill repair immediately above large log retaining fill