

CK-2450

NORRISH CREEK km

2014 Inspection

CBR iPad Offline Ver 0.15

CBR Data

Latitude Longitude
49°13'8.9" -122°8'53.7"

Road Name NORRISH CREEK
User km
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 %

Culvert Length (m) 10

Deck Width (m)

Updated Data

Latitude Longitude
49°13'8.43" -122°8'52.77"

HD Diff. (m) 23.8 Accuracy (m) 5

Norrish Creek

5.05

BCL-625 or 63 tonnes

Major Culvert

Round

Corrugated Steel

2200

2200

300

400

5

8

Inspection

Date of Inspection 2014-07-08 10:02:47 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspection Comments

Add 200mm gravel fill over culvert and blend into existing grades. There does not appear to be any movement in the log retaining fill at the outlet; however it needs to be monitored, especially following large rain or rain on snow events. Consider removing the log and replacing with riprap. The approach fills (both approaches) are eroding and need to be monitored and repaired as required. Present load rating of BCL-625 or 63 tonnes to continue.

P.Eng Comments

Add 200mm gravel fill over culvert and blend into existing grade. There does not appear to be any movement (from last year) in the log retaining fill at the outlet; however it needs to be monitored, especially following heavy precipitation events. Consider removing the log and replacing with riprap. Monitor approach fills. Present load rating of BCL-625 or 63 tonnes to continue.



Handwritten signature and date: July 24/2014

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Approach

Alignment Fair

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☐ 2 na

Brushing Required N

Delineator Missing
Left ☐ 0 ☐ 1 ☐ 2 naDelineator Missing
Right ☐ 0 ☐ 1 ☐ 2 na

Fender Condition na

Posted Load Rating not posted

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete

Caps or Sills

Piles or Posts

Ballast Wall

Wing WallBracing

Hardware

Fill

Riprap

Bearings

Corrosion Protection

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Culvert

Baffles	N/A	
Bolted Connections	N/A	
Coating	Fair	
Coupled Connections	N/A	
Embedment Materials	N/A	
Fill	Fair	fair to poor, 0.3m fill over culvert and eroding downstream at both approaches
Floor	Fair	
Footing	Fair	
Head Walls	N/A	
Inlet	Fair	
Outlet	Poor	steep and log holding fill approx 5 meters below
Overall	Poor	due to outlet condition
Rip Rap	Fair	
Roof	Fair	
Sidewalls	Fair	
Trash Rack	N/A	
Weirs/Backwater Structures	N/A	
Wing Walls	N/A	

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Hazards

Estimated Present Water Level Depth (m) 3.0

High Water ☐Debris ☐

Estimated Present Water Level Width (m) 0.2

Aggradation ☐Scour ☐

Estimated High Water Level Clearance (m) 1.0

Ice ☐Comment
~**Repairs and Monitoring**

Repair Item	Priority	Repair Description
1	Medium	add 200mm gravel fill over culvert and blend in
2		
3		

Monitor Item

Monitor Description

Monitoring Frequency

1	log holding fill	Anually
2	fill slopes on either approach	Anually
3		

Sketch
(Select Signature)

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Approach from Right Bank when facing downstream



Approach from Left Bank when facing downstream



Inlet



left downstream approach fills

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log holding back fill



log holding back fill