

CK-2450

NORRISH CREEK 5.1km

2016 Inspection



CBR iPad Offline Ver 0.23

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°13'8.61"	-122°8'54.55"
HD Diff. (m)	47.6
Accuracy (m)	5

Inspection

Date of Inspection 2016-08-11 11:11:33 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

Add 200mm gravel fill over the culvert and blend into the existing grade. There does not appear to be any change of the large log retaining fill at the outlet of the culvert; however it needs to be monitored especially following heavy precipitation or rain on snow events. Consider removing this log and replacing it with a permanent structure. Present load rating of BCL-625 or 63 tonnes to continue.



21/02/2017

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 ☐ 2Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Unrated

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 Wall N/A

Bracing

Hardware

Fill Fair

erodable materials in the fill slope at either approach

Riprap Fair

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

Floor Fair

Footings Unrated buried

Head Walls N/A

Inlet Fair

Outlet Fair

Overall Fair

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)	0.2	High Water	☒	Debris	☒
Estimated Present Water Level Width (m)	2.5	Aggradation	☒	Scour	☒
Estimated High Water Level Clearance (m)	1.0	Ice	☐		

Comments monitor large log retaining fill at outlet

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1

2

3

Item	Monitor Description	Frequency
1	large log retaining fill at outlet and erodable fill slope materials	Following heavy precipitation or rain on snow events

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



looking through culvert



Inlet



Outlet



large log retaining fill at outlet



right bank of log retaining fill just sitting on erodible material



left bank of large log retaining fill appears appropriately tied to bank



middle of log retaining fill bearing on creek material