

CK-2457

NORRISH CREEK km

2014 Inspection

CBR iPad Offline Ver 0.15

CBR Data

Latitude	Longitude
49°16'31.29"	-122°5'23.4"
Road Name	NORRISH CREEK
User km	
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)	700
Outlet Cover (mm)	800
Culvert Gradient %	
Culvert Length (m)	10
Deck Width (m)	

Updated Data

Latitude	Longitude		
49°16'31.31"	-122°5'22.83"		
HD Diff. (m)	11.5	Accuracy (m)	5
Norrish Creek			
13.6			
BCL-625 or 63 tonnes			
Major Culvert			
Open Bottom			
Corrugated Steel			
1440			
2740			
600			
700			

Inspection

Date of Inspection 2014-07-08 12:22:38 PM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspection Comments

Monitor material from flushing out of the culvert and the poor bearing condition of the concrete footing pads. If material continues to flush from the culvert or the footing pads continue to be scoured then I recommend a complete reinstall of the structure. BCL-625 or 63 tonnes load rating, please post.

P.Eng Comments

Monitor material from flushing out of the culvert and the poor bearing condition of the concrete footing pads. If material continues to flush from within the culvert or the footing pads continue to be eroded then I recommend a complete reinstall of the structure. BCL-625 or 63 tonnes load rating, please post.



T.W. Miller
July 24/2014

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Approach

Alignment Fair

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator 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 WallBracing

Hardware

Fill

Riprap

Bearings

Corrosion Protection

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Culvert

Baffles	N/A	
Bolted Connections	Good	
Coating	Good	
Coupled Connections	N/A	
Embedment Materials	Poor	material flushing out of culvert
Fill	Fair	
Floor	Poor	material flushing out of culvert
Footing	Poor	concrete footing pads scoured, not proper bearing
Head Walls	N/A	
Inlet	Fair	
Outlet	Fair	
Overall	Poor	dud to uneven bearing and material flushing out
Rip Rap	Fair	
Roof	Good	
Sidewalls	Good	
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)	3.0	Aggradation	☒	Scour	☒
Estimated High Water Level Clearance (m)	1.0	Ice	☐		

Comment ~ material flushing from culvert, recent work completed to outlet to help hold material from flushing needs to be monitored - rock does not appear to have been sunk into the stream and rather just placed across it

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	post load rating sign
2		
3		

Monitor Item

Monitor Description

Monitoring Frequency

1	material from flushing out of culvert	Annually
2	scour under concrete footing pads	Other
3		

Sketch
(Select Signature)

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Approach from Left Bank when facing downstream



Approach from Right Bank when facing downstream



Inlet



Outlet

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bearing



bearing