

CK-2457
CK-2457

NORRISH 13.6km

2020 Inspection

CBR iPad Offline Ver 0.33



CBR Data

Latitude	Longitude
49°16'31.4"	-122°5'23.8"
Crossing Name	Unknown
FSR #	10326
Branch #	1
Road Name	NORRISH
User km	13.6
Previous 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)	500
Outlet Cover (mm)	700
Culvert Gradient %	
Culvert Length (m)	10

Updated Data

Latitude	Longitude
°0'0"	°0'0"
HD Diff. (m)	5485311.2
Accuracy (m)	

BCL-625 or 63 tonnes

700

Inspection

Date of Inspection 2020-05-27 11:16:59 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2021

Inspection Company FLNRORD

Inspector Comments

P.Eng Comments

Remove the accumulated material at the inlet and monitor. The stream continually aggrades at the inlet and within the culvert reducing culvert hydraulic capacity. Consider replacing the entire structure. The current load rating of BCL-625 or 63 tonnes to continue.



P.Eng Seal

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Approach

Alignment Fair

VC both approaches

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2 NA

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2 NA

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2 NA

Fender Condition Good

Posted Load Rating Not posted

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

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 Good

Coating Good

Coupled Connections

Embedment Materials Poor Inlet is +/- 60% filled and material aggrading within the culvert

Fill Fair

Floor

Footing Fair Concrete precast pads

Head Walls

Inlet Fair aggrading

Outlet Fair

Overall Fair

Rip Rap Fair

Roof Fair Minor damage noted at inlet

Sidewalls Good

Trash Rack

Weirs/Backwater
Structures

Wing Walls

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Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	☒	Debris	☐
Estimated Present Water Level Width (m)	3.0	Aggradation	☒	Scour	☒
Estimated High Water Level Clearance (m)	0	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
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1

2

3

4

5

6

7

Item	Monitor Description	Frequency
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1 Monitor aggradation at inlet and footing scour at outlet

Annually

2

3



Approach from Right Bank when facing downstream



Upstream from Crossing



Downstream from Crossing



Approach from Left Bank when facing downstream



Inlet



Looking through culvert from inlet



Outlet



Looking through culvert from outlet

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Footings exposed at outlet - left bank shown



Footings exposed at outlet - right bank shown