CK-2457	NORRISH CREEK 13.6km	2015 Inspection

CBR iPad Offline Ver 0.21

CBR Data

Latitude	Longitude
49°16'31.29"	-122°5'22.8"

Crossing Name	Unknown
FSR #	10326
Branch #	1
Road Name	NORRISH CREEK
User km	13.6
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)	700
Culvert Gradient %	
Culvert Length (m)	10

Updated Data

Latitude	Longitude
49°16'31.66"	-122°5'23.75"

HD Diff. (m)	22.1	Accuracy (m)	5
Inlet Cover (mm)	600		

Inspection

Date of Inspection	2015-07-29 10:26:47 AM		
Inspector Name	Tyson Miller	Inspection Company	MFLNRO

Inspector Comments

P.Eng Comments

Streambed material eroding approximately 3 meters from the outlet of the culvert - requires monitoring. Material under some portions of the concrete footings still eroding - requires monitoring. The structure should be continually inspected especially during/after periods of heavy rainfall. If the streambed material continues to erode and undermine the footings additional repair work will be required. The site may require a different structure installed. Present load rating of BCL-625 or 63 tonnes to continue.

P.Eng Seal

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 Wall	N/A
Bracing	
Hardware	
Fill	Fair
Riprap	Fair
Bearings	
Corrosion Protection	

Culvert

Baffles	N/A	
Bolted Connections	Good	
Coating	Good	
Coupled Connections	N/A	
Embedment Materials	Fair	
Fill	Fair	
Floor	Unrated	NA
Footing	Fair	concrete footing exposed and slightly scoured in localized areas
Head Walls	N/A	
Inlet	Fair	steep stream coming into culvert
Outlet	Fair	steep drop 3 meters from outlet
Overall	Fair	
Rip Rap	Fair	
Roof	Good	
Sidewalls	Good	
Trash Rack	N/A	
Weirs/Backwater Structures	N/A	
Wing Walls	N/A	

Log

Log Curbs

Needle Beam

Needle Lashing/ Shimming

Needle Beam to Crib (m)

Needle Diameter (mm)

Stringer Number	Species	Peeled	Diameter (mm)	Rot Depth (mm)	Condition	Comment

Hazards

Estimated Present Water Level Depth (m)	0.3	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	2.0	Aggradation ☐	Scour ☒
Estimated High Water Level Clearance (m)	1.0	Ice ☐	

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1		
2		
3		

Item	Monitor Description	Frequency
1	footing scour	Anually
2		
3		

Sketch
(Select Signature)

CK-2457 NORRISH CREEK 13.6km 2015 Inspection

Approach from Right Bank when facing downstream

Inlet

Approach from Left Bank when facing downstream

looking through culvert from inlet

CK-2457 NORRISH CREEK 13.6km 2015 Inspection

upstream from inlet

Structure ID

Outlet