

QC-7041

QC MAIN 4.8km

2019 Inspection

CBR iPad Offline Ver



CBR Data

Latitude	Longitude
53°16'27.9"	-132°8'36.1"
Crossing Name	Unknown
FSR #	10678
Branch #	01
Road Name	QC MAIN
User km	4.8
Previous Load Rating (tonnes)	150
Structure Class	Major Culvert
Culvert Type	Round
Culvert Material	Corrugated Steel
Opening Height (mm)	2400
Opening Width (mm)	2400
Inlet Cover (mm)	3000
Outlet Cover (mm)	4500
Culvert Gradient %	6
Culvert Length (m)	27

Updated Data

Latitude	Longitude
53°16'27.46"	-132°8'36.79"
HD Diff. (m)	18.6
Accuracy (m)	5

Inspection

Date of Inspection 2019-09-08 3:01:22 PM

Inspector Name Lindsey McGill

Recommended Next Inspection Year 2024

Inspection Company Chartwell Consultants Ltd.

Inspector Comments

Site should be brushed in next 1-2 years.

P.Eng Comments

Load Rated by: FLNRORD, J. Harvey P.Eng., February 11, 2020

Load Rating: 150 Tonnes GVW

Next Inspection: September 1, 2022

Comments:



P.Eng Seal

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Approach

Alignment Good

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Fair

Guidelogs along road surface should be replaced in 5 years or less

Posted Load Rating

Nothing posted

Road Surface Good

7.5m wide running surface

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts

Ballast Wall

Wing Wall N/A

Bracing

Hardware

Fill Good

Riprap Fair

Bearings

Corrosion Protection

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Culvert

Baffles N/A

Bolted Connections Unrated Could not inspect - buried. Interior seams appear tight.

Coating Fair Minor abrasion occurring along bottom of culvert

Coupled Connections

Embedment Materials N/A

Fill Good

Floor Fair Minor abrasion occurring along bottom of culvert

Footing Unrated No concerns noted from above ground.

Head Walls N/A

Inlet Good Bevelled inlet

Outlet Good

Overall Good

Rip Rap Fair

Roof Good

Sidewalls Good

Trash Rack N/A

Weirs/Backwater Structures N/A

Wing Walls N/A

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Log

Log Curbs Fair Should be replaced in 5 years or less.

Needle Beam

Needle Lashing/
Shimming

Needle Beam to Crib (m)

Needle Diameter (mm)

Stringer
Number

Species

Peeled

Diameter
(mm)

Rot Depth
(mm)

Condition

Comment

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Hazards

Estimated Present Water Level Depth (m)	.15	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	2.2	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments Minor debris being moved in channel but not significant.

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	Medium	Brush out approaches and above culvert in next 2 years or less.
2	Low	Replace guidelogs in 5 years or less.
3		

Item	Monitor Description	Frequency
1	Weathering of riprap. Shale is breaking down.	Routine Inspection
2		
3		

Sketch
(Select Signature)

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Weathered riprap



Inlet



Structure ID



Upstream from Crossing



Approach from Left Bank when facing downstream



Outlet



Approach from Right Bank when facing downstream



Downstream from Crossing



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