

QC-7040

QC MAIN 0.75km

2019 Inspection

CBR iPad Offline Ver



CBR Data

Latitude 53°15'15" Longitude -132°6'39.1"

Crossing Name Crabapple Creek

FSR # 10678 Branch # 01

Road Name QC MAIN

User km 0.75

Previous Load Rating (tonnes) 150

Structure Class Permanent Bridge

Portable N

Superstructure Concrete Slab Girders

Deck Type Concrete

Abutment Left Steel Pipe and Precast Pad

Abutment Right Steel Pipe and Precast Pad

Spans 1

Total Length (m) 12

Deck Width (m) 4.8

Updated Data

Latitude 53°15'15.2" Longitude -132°6'40.35"

HD Diff. (m) 23.8 Accuracy (m) 5

.05

Inspection

Date of Inspection 2019-09-08 3:49:54 PM

Recommended Next Inspection Year 2024

Inspector Name Lindsey McGill

Inspection Company Chartwell Consultants Ltd.

Inspector Comments Serial/ID Plate None

Bridge in good condition but requires a little maintenance as per inspection notes.

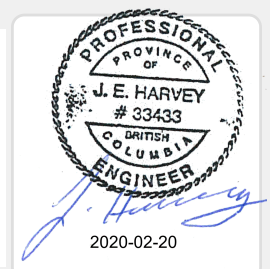
P.Eng Comments

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

QC-7040

QC MAIN 0.75km

2019 Inspection



CBR iPad Offline Ver

Approach

Alignment Fair

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required N

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

Fender Condition Good

Posted Load Rating

Concrete no post barricades

Road Surface Fair

Road has small punch out on low chain side of bridge.

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Pier N/A

Concrete Good

Caps or Sills Good

Precast cap beam on assumed post and pad footings

Piles or Posts Good

Ballast Wall Good

Wing Wall Good

Bracing N/A

Hardware N/A

Fill Fair

Small punch out on low chain approach

Riprap Good

Bearings Good

Corrosion Protection N/A

QC-7040

QC MAIN 0.75km

2019 Inspection

CBR iPad Offline Ver

**Deck**

Running Surface	N/A	Road has small punch out on low chain side of bridge.
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	Good	Approach fill is punching out on town side and should be patched to limit long term damage to ends of girders.
Grout Pockets	N/A	
Deck Joints	Good	Welded shear keys with paraseal between joints.
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Poor	Steel guardrails are fine but plywood/boards used to control sediment are damaged and should be replaced.
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Good	
Gravel Depth (mm)		
Pier Deck		

QC-7040

QC MAIN 0.75km

2019 Inspection



CBR iPad Offline Ver

Steel/Concrete

Girders Good

5 slab girders on approximately 10 degree skew

Diaphragms N/A

Bracing N/A

Under Trussing N/A

Hardware N/A

Welded/grouted
shear connectors Good

Welded shear keys

Log

Log Curbs N/A

Needle Beam N/A

Needle Lashing/
Shimming

Needle Beam to Crib (m)

Needle Diameter (mm)

Stringer
Number

Species

Peeled

Diameter
(mm)Rot Depth
(mm)

Condition

Comment

QC-7040

QC MAIN 0.75km

2019 Inspection

CBR iPad Offline Ver



Hazards

Estimated Present Water Level Depth (m)	.15	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	3.5	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	2.2	Ice	☐		

Comments Riprap appears stable and no concerns. Waterline unde bridge on right bank abutment.

Repairs and Monitoring

Repair

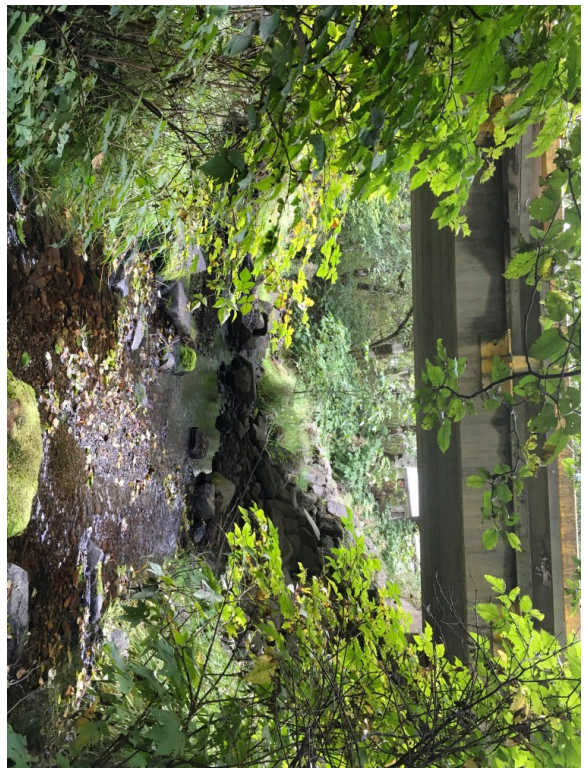
Item	Priority	Repair Description
1	Medium	Replace sediment catch boards on upstream and downstream sides of bridge deck.
2	Medium	Add fill to town approach to prevent long term damage to ends of slab girders.
3	Low	Brushing required adjacent to bridge deck in next 2 years.

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)



Right Bank Abutment when facing downstream



Upstream Profile



Left Bank Abutment when facing downstream



Downstream Profile



Approach from Left Bank when facing downstream



Approach from Right Bank when facing downstream



Settling ponds in ditchline



Upstream from Crossing

Deck



Downstream from Crossing



Deck



QC-7040

QC MAIN 0.75km

2019 Inspection

CBR iPad Offline Ver



QC-7040

QC MAIN 0.75km

2019 Inspection

CBR iPad Offline Ver

