

QC-7835

QC_NEY1000 2.01km

2018 Inspection



CBR iPad Offline Ver

CBR Data

Latitude	Longitude
53°35'11.9"	-132°6'25.4"
Crossing Name	Unnamed Creek
FSR #	10324 Branch # 03
Road Name	QC_NEY1000
User km	2.01
Current Load Rating (tonnes)	50
Structure Class	Temporary Bridge
Portable	Y
Superstructure	Steel Box Beam
Deck Type	Steel
Abutment Left	Sill -Temporary Materials
Abutment Right	Sill -Temporary Materials
Spans	1
Total Length (m)	12.2
Deck Width (m)	4.8

Updated Data

Latitude	Longitude
53°35'11.94"	-132°6'24.65"
HD Diff. (m)	13.9 Accuracy (m) 5

Inspection

Date of Inspection 2018-09-17 1:24:38 PM

Recommended Next Inspection Year 2020

Inspector Name Robert Kemmler

Inspection Company Onsite Engineering

Inspector Comments Serial/ID Plate 6-11-370, L100 MAR 07, WT# 18,000, TCH-0702

Steel deck damaged (cupped). Box beam girder outline visible. This structure should be removed, repaired and load rated. The inner two box beams appear to be bent from possible overloading. P.Eng to inspect and confirm extent of damage.

Recommend down grading this structure to 30T until further assessment completed. Post Load Rating.

P.Eng Comments

Load Rated by: MFLNRO, J. Harvey P.Eng., February 5, 2018

Load Rating: 50 Tonnes GVW

Next Inspection: September 1, 2020

Comments: Post Load Rating. Remove structure, repair, load rate and reinstall so as the bearing plates of the bridge bear evenly onto the sills. Remove danger tree overhanging structure. Reposition approach logs and add a new one on the left upstream corner.



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Approach

Alignment Fair

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2 Present but not functioning, approach barriers have been rolled over.Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Fair Left side upstream inadequate.

Posted Load Rating 0 Not posted

Road Surface Fair

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Concrete N/A

Caps or Sills Fair

Piles or Posts N/A

Ballast Wall Fair

Wing Wall N/A

Bracing N/A

Hardware N/A

Fill Good

Riprap Poor None

Bearings Poor Structure does not bear evenly onto sills.

Corrosion Protection Fair

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Deck

Running Surface	N/A	
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	N/A	
Grout Pockets	N/A	
Deck Joints	Good	
Steel Deck Plate	Poor	Damaged.
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Fair	
Hand Rails/Walkouts	N/A	
Hardware	Fair	
Overall Deck Condition	Poor	Steel deck damaged (cupped). Box beam girder outline visible.
Gravel Depth (mm)	0	

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Steel/Concrete

Girders Poor

Structure appears to have been overloaded, centre two box beam girders appear damaged (bent).

Diaphragms N/A

Bracing N/A

Under Trussing N/A

Hardware N/A

Welded/grouted
shear connectors 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

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Hazards

Estimated Present Water Level Depth (m)	0.2	High Water	Debris
Estimated Present Water Level Width (m)	1.5	Aggradation	Scour
Estimated High Water Level Clearance (m)	1.75	Ice	

Comments

Repairs and Monitoring

Repair

Item Priority

Repair Description

- | | | |
|---|------|--|
| 1 | High | Remove structure, repair, load rate and reinstall so as the bearing plates of the bridge bear evenly onto the sills. |
| 2 | High | Remove danger tree overhanging structure. |
| 3 | Low | Reposition approach logs and add a new one on the left upstream corner. |

Item

Monitor Description

Frequency

1

2

3

Sketch
(Select Signature)