

CK-2018

CANTELON CREEK 0.3km

2014 Inspection

CBR iPad Offline Ver 0.17

## CBR Data

|                              |                            |
|------------------------------|----------------------------|
| Latitude                     | Longitude                  |
| 49°13'5.4"                   | -121°22'53.7"              |
| Road Name                    | CANTELON CREEK             |
| User km                      | 0.3                        |
| Current Load Rating (tonnes) | 68                         |
| Structure Class              | Permanent Bridge           |
| Portable                     | N                          |
| Superstructure               | Steel I-beam               |
| Deck Type                    | Concrete Composite         |
| Abutment Left                | Steel Pipe and Precast Pad |
| Abutment Right               | Steel Pipe and Precast Pad |
| Spans                        | 1                          |
| Total Length (m)             | 27.5                       |
| Deck Width (m)               | 4.87                       |

## Updated Data

|                            |                |              |   |
|----------------------------|----------------|--------------|---|
| Latitude                   | Longitude      |              |   |
| 49°13'5.37"                | -121°22'53.58" |              |   |
| HD Diff. (m)               | 2.5            | Accuracy (m) | 5 |
| Cantelon Creek             |                |              |   |
| 0.4                        |                |              |   |
| L75 or 68 tonnes           |                |              |   |
| Permanent Bridge           |                |              |   |
| N                          |                |              |   |
| Steel I-beam               |                |              |   |
| Concrete Composite         |                |              |   |
| Steel Pipe and Precast Pad |                |              |   |
| Steel Pipe and Precast Pad |                |              |   |
| 1                          |                |              |   |
| 27.4                       |                |              |   |
| 4.9                        |                |              |   |

## Inspection

Date of Inspection 2014-10-23 9:00:41 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspection Comments

P.Eng Comments

Replace guardrail, risers and blocks. Post bridge ahead signs and replace missing delineators. Present load rating of L75 or 68 tonnes to continue.

*T. W. Miller*  
Nov 27/14



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## 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 Fair old logs

Posted Load Rating 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 Good plates and pads

Piles or Posts Good

Ballast Wall Fair some spalling due to gun shots

Wing Wall N/A

Bracing Good

Hardware N/A

Fill Good

Riprap Good

Bearings Good

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Corrosion Protection    Good

**Deck**

Running Surface    Fair

Running Planks    N/A

Sub Deck    N/A

Ties    N/A

Nails    N/A

Deck to Girder Bolts    N/A

Concrete Deck    Fair    minor track damage

Grout Pockets    Fair

Deck Joints    Good

Steel Deck Plate    N/A

Gravel Surface    N/A

Curb Rail/Blocks/Posts    Poor    rotten

Hand Rails/Walkouts    N/A

Hardware    Poor    loose rail bolts

Overall Deck Condition    Poor    due to rail

Gravel Depth (mm)

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**Steel/Concrete**

Girders Fair some holes in girders from gunshots

Diaphragms Good 6x, bolted

Bracing Good

Under Trussing N/A

Hardware Good

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)

Comment

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**Hazards**

Estimated Present Water Level Depth (m) 1.0

High Water ☐Debris ☐

Estimated Present Water Level Width (m) 16.

Aggradation ☐Scour ☐

Estimated High Water Level Clearance (m) 3.0

Ice ☐

Comments

**Repairs and Monitoring**

| Repair Item | Priority | Repair Description                                 |
|-------------|----------|----------------------------------------------------|
| 1           | High     | replace guardrail                                  |
| 2           | Medium   | replace missing bridge ahead signs and delineators |
| 3           |          |                                                    |

**Monitor Item**

Monitor Description

Monitoring Frequency

1

2

3

Sketch  
(Select Signature)

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Approach from Left Bank when facing downstream



Approach from Right Bank when facing downstream



Left Bank Abutment when facing downstream



underneath pane 1

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Right Bank Abutment when facing downstream