

QC-7610

EAS1800 0.28km

2019 Inspection

CBR iPad Offline Ver



## CBR Data

|                               |                           |          |    |
|-------------------------------|---------------------------|----------|----|
| Latitude                      | Longitude                 |          |    |
| 53°29'53.49"                  | -131°58'2.5"              |          |    |
| Crossing Name                 | Unknown                   |          |    |
| FSR #                         | 10174                     | Branch # | 02 |
| Road Name                     | EAS1800                   |          |    |
| User km                       | 0.28                      |          |    |
| Previous Load Rating (tonnes) | 64                        |          |    |
| Structure Class               | Temporary Bridge          |          |    |
| Portable                      | N                         |          |    |
| Superstructure                | Log Stringers             |          |    |
| Deck Type                     | Gravel                    |          |    |
| Abutment Left                 | Sill -Temporary Materials |          |    |
| Abutment Right                | Sill -Temporary Materials |          |    |
| Spans                         | 1                         |          |    |
| Total Length (m)              | 11.3                      |          |    |
| Deck Width (m)                | 5.2                       |          |    |

## Updated Data

|              |           |              |  |
|--------------|-----------|--------------|--|
| Latitude     | Longitude |              |  |
| °0'0"        | °0'0"     |              |  |
| HD Diff. (m) | 5955391.7 | Accuracy (m) |  |
| 5.3          |           |              |  |

## Inspection

Date of Inspection 2019-09-07 2:00:59 PM

Recommended Next Inspection Year 2020

Inspector Name Lindsey McGill

Inspection Company Chartwell Consultants Ltd.

Inspector Comments Serial/ID Plate

All stringers look to have been installed unpeeled. All but stringer #1 are spruce and conk is present (just starting) in stringers. Woven Geo textile used between stringers and gravel deck. Drilling was not done, axe used to detect sapwood rot and for sounding. Overall length as shown is actually the Center-Center span (c/c=11.3m, o/a=12.5m).

P.Eng Comments

Load Rated by: FLNRORD, J. Harvey P.Eng., February 13, 2020

Load Rating: 64 Tonnes GVW

Next Inspection: September 1, 2021

Comments:



P.Eng Seal

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## Approach

Alignment Fair

Tight corner on high chain of bridge but 5.3m width allows for tracking.

 Bridge Ahead Signs  
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required N

Road leading to bridge requires brushing - approximately 1km on low chain side of bridge.

 Delineator Missing  
Left ☒ 0 ☐ 1 ☐ 2

 Delineator Missing  
Right ☐ 0 ☒ 1 ☐ 2

Fender Condition Fair

Posted Load Rating 64

Both signs present but are on trees which have blown down. New signage required

Road Surface Good

## Abutment

Log/Timber Cribs Poor

Sill logs are spruce and have lots of decay 60mm+. No crushing yet but likely to happen during next industrial cycle.

Tie Backs N/A

Bin Wall N/A

Pier N/A

Concrete N/A

Caps or Sills N/A

Piles or Posts N/A

Ballast Wall N/A

Wing Wall N/A

Bracing N/A

Hardware N/A

Fill Good

Riprap Fair

Present and functional but small diameter.

Bearings Fair

Corrosion Protection N/A

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**Deck**

Running Surface      Good

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      N/A

Steel Deck Plate      N/A

Gravel Surface      Good

Curb Rail/Blocks/Posts      Fair      10" x10" timbers bolted to tops of brow logs

Hand Rails/Walkouts      N/A

Hardware      N/A

Overall Deck Condition      Fair

Gravel Depth (mm)      750

Pier Deck

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## Steel/Concrete

Girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted  
shear connectors

## Log

Log Curbs Fair 10"x10" bolted to tops of brow logs to accommodate deeper than normal fills.

Needle Beam N/A

Needle Lashing/  
Shimming

Needle Beam to Crib (m)

Needle Diameter (mm)

| Stringer<br>Number | Species | Peeled | Diameter<br>(mm) | Rot Depth<br>(mm) | Condition | Comment                               |
|--------------------|---------|--------|------------------|-------------------|-----------|---------------------------------------|
| 1                  | Cw      | N      | 520              | 5                 | Fair      | Outside bark measurement              |
| 2                  | Sp      | N      | 595              | 20                | Fair      |                                       |
| 3                  | Sp      | N      | 590              | 30                | Poor      | Large mechanical defect, deduct 100mm |
| 4                  | Sp      | N      | 785              | 35                | Fair      | Lots of knots present                 |
| 5                  | Sp      | N      | 710              | 30                | Fair      |                                       |
| 6                  | Sp      | N      | 670              | 40                | Fair      |                                       |
| 7                  | Sp      | N      | 650              | 20                | Fair      |                                       |
| 8                  | Sp      | N      | 710              | 20                | Fair      |                                       |
| 9                  | Sp      |        | 620              | 40                | Fair      |                                       |

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### Hazards

Estimated Present Water Level Depth (m) .5

High Water ☐Debris ☐

Estimated Present Water Level Width (m) 3

Aggradation ☐Scour ☐

Estimated High Water Level Clearance (m) .4

Ice ☐

Comments Low velocity stream.

### Repairs and Monitoring

| Repair Item | Priority | Repair Description |
|-------------|----------|--------------------|
|-------------|----------|--------------------|

|   |        |                                              |
|---|--------|----------------------------------------------|
| 1 | Medium | Monitor deteriorating condition of stringers |
|---|--------|----------------------------------------------|

|   |     |                                              |
|---|-----|----------------------------------------------|
| 2 | Low | Replace missing delineator and post signage. |
|---|-----|----------------------------------------------|

|   |  |  |
|---|--|--|
| 3 |  |  |
|---|--|--|

| Item | Monitor Description | Frequency |
|------|---------------------|-----------|
|------|---------------------|-----------|

|   |                |       |
|---|----------------|-------|
| 1 | Stringer decay | Other |
|---|----------------|-------|

|   |  |  |
|---|--|--|
| 2 |  |  |
|---|--|--|

|   |  |  |
|---|--|--|
| 3 |  |  |
|---|--|--|

Sketch  
(Select Signature)



Approach from Right Bank when facing downstream



Approach from Left Bank when facing downstream



Upstream from Crossing



Downstream from Crossing

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Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Upstream Profile



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Downstream Profile



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