

CK-2098

FLORENCE LAKE 13.9km

2014 Inspection

CBR iPad Offline Ver 0.17

## CBR Data

|                              |                            |
|------------------------------|----------------------------|
| Latitude                     | Longitude                  |
| 49°19'17.19"                 | -122°20'11.5"              |
| Road Name                    | FLORENCE LAKE              |
| User km                      | 13.9                       |
| Current Load Rating (tonnes) | 68                         |
| Structure Class              | Permanent Bridge           |
| Portable                     | N                          |
| Superstructure               | Other                      |
| Deck Type                    | Concrete                   |
| Abutment Left                | Steel Pipe and Precast Pad |
| Abutment Right               | Steel Pipe and Precast Pad |
| Spans                        | 1                          |
| Total Length (m)             | 15.3                       |
| Deck Width (m)               | 4.9                        |

## Updated Data

|                            |             |              |   |
|----------------------------|-------------|--------------|---|
| Latitude                   | Longitude   |              |   |
| 49°19'16.95"               | -122°20'12" |              |   |
| HD Diff. (m)               | 12.8        | Accuracy (m) | 5 |
| Florence Lake              |             |              |   |
| 13.6                       |             |              |   |
| L75 or 68 tonnes           |             |              |   |
| Permanent Bridge           |             |              |   |
| N                          |             |              |   |
| Others                     |             |              |   |
| Concrete                   |             |              |   |
| Steel Pipe and Precast Pad |             |              |   |
| Steel Pipe and Precast Pad |             |              |   |
| 1                          |             |              |   |
| 15.3                       |             |              |   |
| 4.9                        |             |              |   |

## Inspection

Date of Inspection 2014-08-29 12:41:32 PM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspection Comments

P.Eng Comments

Replace guardrail, risers and blocks. Present load rating of L75 or 68 tonnes to continue.



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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 Good

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 integrated cap/wall combo

Piles or Posts Unrated buried

Ballast Wall Good

Wing Wall N/A

Bracing Unrated buried

Hardware N/A

Fill Good

Riprap Good

Bearings Good

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Corrosion Protection N/A

**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

Grout Pockets N/A

Deck Joints N/A

Steel Deck Plate N/A

Gravel Surface N/A

Curb Rail/Blocks/Posts Poor rotten riser and sideblocks

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    Good       2 inverted C channels

Diaphragms    N/A

Bracing    N/A

Under Trussing    N/A

Hardware    N/A

Welded/grouted  
shear connectors**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) 0.1

High Water ☐Debris ☐

Estimated Present Water Level Width (m) 1.5

Aggradation ☐Scour ☐

Estimated High Water Level Clearance (m) 1.0

Ice ☐

Comments

**Repairs and Monitoring**

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

|   |        |                                      |
|---|--------|--------------------------------------|
| 1 | Medium | replace guardrail, risers and blocks |
|---|--------|--------------------------------------|

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

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

**Monitor Item**

Monitor Description

Monitoring Frequency

|   |  |  |
|---|--|--|
| 1 |  |  |
|---|--|--|

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

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

Sketch  
(Select Signature)

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Approach from Right Bank when facing downstream



Approach from Left Bank when facing downstream



Deck



Right Bank Abutment when facing downstream

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Left Bank Abutment when facing downstream