

CK-2091

FLORENCE LAKE 2.8km

2018 Inspection

CBR iPad Offline Ver 0.28



## CBR Data

|                              |                            |          |   |
|------------------------------|----------------------------|----------|---|
| Latitude                     | Longitude                  |          |   |
| 49°14'59.49"                 | -122°22'18.7"              |          |   |
| Crossing Name                | Rolley Creek               |          |   |
| FSR #                        | 8648                       | Branch # | 1 |
| Road Name                    | FLORENCE LAKE              |          |   |
| User km                      | 2.8                        |          |   |
| 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)             | 21.8                       |          |   |
| Deck Width (m)               | 4.9                        |          |   |

## Updated Data

|                  |                |              |    |
|------------------|----------------|--------------|----|
| Latitude         | Longitude      |              |    |
| 49°14'59.58"     | -122°22'18.77" |              |    |
| HD Diff. (m)     | 2.8            | Accuracy (m) | 10 |
| L75 or 68 tonnes |                |              |    |

## Inspection

Date of Inspection 2018-04-25 8:54:52 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2021

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

Replace the missing side block bolts and clean sediment from the deck. Present load rating of L75 or 68 tonnes to continue. Monitor the deck joints.



09/01/2019

P.Eng Seal

CK-2091

FLORENCE LAKE 2.8km

2018 Inspection



CBR iPad Offline Ver 0.28

## Approach

Alignment Fair

HC both approaches

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 Good

## Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete

Caps or Sills

Piles or Posts Good

Ballast Wall Good

Wing Wall

Bracing Good

Hardware

Fill Good

Riprap Good

Bearings Good

Minor corrosion

Corrosion Protection Fair

CK-2091

FLORENCE LAKE 2.8km

2018 Inspection

CBR iPad Offline Ver 0.28



## Deck

Running Surface      Fair

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck      Good

Grout Pockets      Good

Deck Joints      Fair      Evidence that water is/has getting through

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts      Fair      Missing 2 side block bolts

Hand Rails/Walkouts

Hardware      Fair

Overall Deck Condition      Fair

Gravel Depth (mm)

CK-2091

FLORENCE LAKE 2.8km

2018 Inspection

CBR iPad Offline Ver 0.28

**Steel/Concrete**

Girders Good

Diaphragms Good 5 bolted bays

Bracing Good

Under Trussing

Hardware Good

Welded/grouted  
shear connectors**Log**

Log Curbs

Needle Beam

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 |
|--------------------|---------|--------|------------------|-------------------|-----------|---------|
|--------------------|---------|--------|------------------|-------------------|-----------|---------|

CK-2091

FLORENCE LAKE 2.8km

2018 Inspection

CBR iPad Offline Ver 0.28



## Hazards

|                                          |     |             |                          |        |                          |
|------------------------------------------|-----|-------------|--------------------------|--------|--------------------------|
| Estimated Present Water Level Depth (m)  | 0.5 | High Water  | <input type="checkbox"/> | Debris | <input type="checkbox"/> |
| Estimated Present Water Level Width (m)  | 8.0 | Aggradation | <input type="checkbox"/> | Scour  | <input type="checkbox"/> |
| Estimated High Water Level Clearance (m) | 2.0 | Ice         | <input type="checkbox"/> |        |                          |

Comments

## Repairs and Monitoring

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

|   |        |                                    |
|---|--------|------------------------------------|
| 1 | Medium | Replace 2 missing side block bolts |
|---|--------|------------------------------------|

|   |        |                           |
|---|--------|---------------------------|
| 2 | Medium | Remove sediment from deck |
|---|--------|---------------------------|

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

| Item | Monitor Description | Frequency          |
|------|---------------------|--------------------|
| 1    | Deck joints         | Routine Inspection |

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

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

Sketch  
(Select Signature)



Approach from Left Bank when facing downstream



Looking upstream from deck



Deck



Looking downstream from deck



Approach from Right Bank when facing downstream



Damaged guardrail



Damage to downstream right approach guardrail



Side block bolts missing on damaged guardrail



Utility on underside of deck



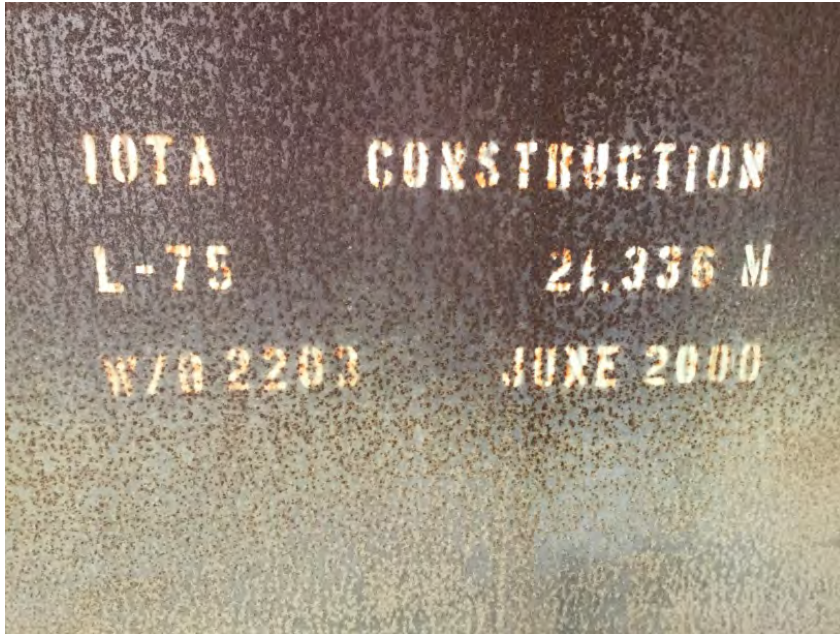
Left Bank Abutment when facing downstream



Minor corrosion noted on bearings



Superstructure



Structure ID



Right Bank Abutment when facing downstream



Upstream Profile



Evidence of water getting through deck joints