



CK-2099  
CK-2099

FLORENCE LAKE 13.8km

2020 Inspection

CBR iPad Offline Ver 0.33



## Approach

Alignment Fair

HC and VC both approaches

Bridge Ahead Signs  
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required Y

Delineator Missing  
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing  
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Fair

Missing bullnoses at left approach

Posted Load Rating

Not posted

Road Surface Fair

## Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts Good

Ballast Wall Poor

Rebar exposed and broke at right bank

Wing Wall

Bracing Good

Hardware

Fill Good

Riprap Poor

Heavily scoured at right bank and starting to scour at left bank

Bearings Good

Corrosion Protection Good

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## Deck

Running Surface      Fair

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck      Good

Grout Pockets      Fair

Deck Joints      Fair      Evidence that water is getting through

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts      Poor      Approximately 50% of risers and blocks damaged and/or rotten

Hand Rails/Walkouts

Hardware      Poor      Loose rail bolts

Overall Deck Condition      Poor      Due to rail condition

Gravel Depth (mm)

Pier Deck

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## Steel/Concrete

Girders Fair

Minor corrosion noted on flanges and web at right bank and at deck joints

Diaphragms Fair

5 bolted bays, minor corrosion noted

Bracing Fair

Minor corrosion noted

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  
Number

Species

Peeled

Diameter  
(mm)

Rot Depth  
(mm)

Condition

Comment

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### Hazards

|                                          |     |             |                          |        |                                     |
|------------------------------------------|-----|-------------|--------------------------|--------|-------------------------------------|
| Estimated Present Water Level Depth (m)  | 0.3 | High Water  | <input type="checkbox"/> | Debris | <input type="checkbox"/>            |
| Estimated Present Water Level Width (m)  | 5.0 | Aggradation | <input type="checkbox"/> | Scour  | <input checked="" type="checkbox"/> |
| Estimated High Water Level Clearance (m) | 3.0 | Ice         | <input type="checkbox"/> |        |                                     |

Comments Suspect that when CK-2100 plugged excess water came down road/ditch at left approach and added to heavy flows causing significant riprap erosion at both abutments

### Repairs and Monitoring

| Repair Item                                                               | Repair Description                         |
|---------------------------------------------------------------------------|--------------------------------------------|
| 1 Substructure. Ballast wall/retaining wall maintenance. m. Priority:High | Repair damage to right bank ballast wall   |
| 2 Structure. Full Curb Replacement. . Priority:Medium                     | Replace guardrail, risers and blocks       |
| 3 Approach. Area/sight line brushing. m². Priority:Medium                 | Brush approaches                           |
| 4 Approach. Approach fenders (install). # of units. Priority:Low          | Replace missing bullnoses at left approach |
| 5 Miscellaneous. Other (specify in comments). # of items. Priority:High   | Repair both banks riprap                   |
| 6                                                                         |                                            |
| 7                                                                         |                                            |

| Item | Monitor Description               | Frequency          |
|------|-----------------------------------|--------------------|
| 1    | Riprap scour and bridge stability | Anually            |
| 2    | Corrosion of steel components     | Routine Inspection |
| 3    |                                   |                    |



Approach from Left Bank when facing downstream



Upstream left approach ditch scour



Missing both bull noses at left approach



Deck



Guard Rail



Guard Rail



Guard Rail



Guard Rail



Downstream right bank ballast wall condition



Approach from Right Bank when facing downstream



Right Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Downstream left bank scour



Superstructure



Riprap at both banks founded on organics



Corrosion noted at right bank



Corrosion noted at deck joints