

CK-2448

NORRISH CREEK 1.8km

2016 Inspection

CBR iPad Offline Ver 0.23



## CBR Data

|                              |                            |          |   |
|------------------------------|----------------------------|----------|---|
| Latitude                     | Longitude                  |          |   |
| 49°11'48.19"                 | -122°9'35.9"               |          |   |
| Crossing Name                | Sally Creek                |          |   |
| FSR #                        | 10326                      | Branch # | 1 |
| Road Name                    | NORRISH CREEK              |          |   |
| User km                      | 1.8                        |          |   |
| Current Load Rating (tonnes) | 136                        |          |   |
| Structure Class              | Permanent Bridge           |          |   |
| Portable                     | N                          |          |   |
| Superstructure               | Concrete Slab Girders      |          |   |
| Deck Type                    | Concrete                   |          |   |
| Abutment Left                | Steel Pipe and Precast Pad |          |   |
| Abutment Right               | Steel Pipe and Precast Pad |          |   |
| Spans                        | 1                          |          |   |
| Total Length (m)             | 12.6                       |          |   |
| Deck Width (m)               | 6                          |          |   |

## Updated Data

|              |               |              |   |
|--------------|---------------|--------------|---|
| Latitude     | Longitude     |              |   |
| 49°11'47.93" | -122°9'36.29" |              |   |
| HD Diff. (m) | 11.6          | Accuracy (m) | 5 |

## Inspection

Date of Inspection 2016-08-11 10:33:06 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

Replace the downstream guardrail, risers and blocks. The riprap in front of the right abutment needs to be repaired/replaced to fully protect the abutment and in the meantime needs to be monitored ESPECIALLY given the water line located IMMEDIATELY downstream the crossing. Replace the delineators that are installed at the left sides with proper left delineators. Repair the concrete girders in the areas with exposed rebar as indicated in the photos. Present load rating of L150 or 136 tonnes to continue.



21/02/2017

P.Eng Seal

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## Approach

Alignment Fair

HC both approaches

 Bridge Ahead Signs  
Missing
 ☒ 0
 ☐ 1
 ☐ 2

Brushing Required N

 Delineator Missing  
Left
 ☒ 0
 ☐ 1
 ☐ 2

 Delineator Missing  
Right
 ☒ 0
 ☐ 1
 ☐ 2

Fender Condition Good

Posted Load Rating 136090

Road Surface Good

## Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall Fair lock blocks retaining fill on both banks

Concrete N/A

Caps or Sills Fair concrete cap

Piles or Posts Fair

Ballast Wall N/A

Wing Wall N/A

Bracing Fair

Hardware Poor loose rail bolts only downstream section

Fill Fair

Riprap Fair right bank is missing riprap right front of towers

Bearings Fair

Corrosion Protection Poor steel towers not painted

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**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          | N/A  |                                                     |
| Grout Pockets          | N/A  |                                                     |
| Deck Joints            | N/A  |                                                     |
| Steel Deck Plate       | N/A  |                                                     |
| Gravel Surface         | N/A  |                                                     |
| Curb Rail/Blocks/Posts | Poor | downstream rail in poor condition, upstream is good |
| Hand Rails/Walkouts    | N/A  |                                                     |
| Hardware               | N/A  |                                                     |
| Overall Deck Condition | Poor | due to downstream rail                              |
| Gravel Depth (mm)      |      |                                                     |

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**Steel/Concrete**

Serial/ID Plate

Girders Fair 7 concrete slabs with spalls noted

Diaphragms N/A

Bracing N/A

Under Trussing N/A

Hardware N/A

Welded/grouted shear connectors Good

**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)  | 3.0 | 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 downstream guardrail system and left delineators |
| 2           | High     | repair/replace riprap scour in front of right abutment   |
| 3           | Medium   | repair the girders in the areas with exposed rebar       |

| Item | Monitor Description            | Frequency                                               |
|------|--------------------------------|---------------------------------------------------------|
| 1    | riprap scour on right abutment | After heavy precipitation events or rain on snow events |
| 2    |                                |                                                         |
| 3    |                                |                                                         |

Sketch  
(Select Signature)



Approach from Left Bank when facing downstream



looking upstream from deck



Deck



looking downstream from deck



downstream right bank wing wall



Left Bank Abutment when facing downstream



Approach from Right Bank when facing downstream



Right Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



superstructure



Upstream Profile



concrete spall with exposed rebar



concrete spall with rebar exposed



random concrete spall - noted throughout slabs but no rebar exposed