

CK-2260

STAVE RIVER 3.5km

2017 Inspection

CBR iPad Offline Ver



## CBR Data

|                              |                            |
|------------------------------|----------------------------|
| Latitude                     | Longitude                  |
| 49°27'14.4"                  | -122°13'8"                 |
| Crossing Name                | Roaring Creek              |
| FSR #                        | 8013                       |
| Branch #                     | 1                          |
| Road Name                    | STAVE RIVER                |
| User km                      | 3.5                        |
| 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)             | 21.3                       |
| Deck Width (m)               | 4.9                        |

## Updated Data

|              |               |
|--------------|---------------|
| Latitude     | Longitude     |
| 49°27'13.79" | -122°13'8.78" |
| HD Diff. (m) | 24.5          |
| Accuracy (m) | 5             |

## Inspection

Date of Inspection 2017-09-14 7:50:46 AM

Inspector Name Michael Foster

Inspector Comments

Good structure. Needs new guardrails.

Recommended Next Inspection Year 2020

Inspection Company Onsite Engineering Ltd

## P.Eng Comments

Replace guardrail, risers and blocks. Repair damage to ballast wall. Post bridge ahead signs. Present load rating of L75 or 68 tonnes to continue.



25/01/2018

P.Eng Seal

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## Approach

Alignment Good

Bridge Ahead Signs  
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required N

Delineator Missing  
Left ☒ 0 ☐ 1 ☐ 2Delineator Missing  
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Good

Concrete no posts

Posted Load Rating

No sign

Road Surface Good

## Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Concrete N/A

Caps or Sills N/A

Piles or Posts Good

Ballast Wall Fair

Left bank ballast wall has exposed rebar at deck connection

Wing Wall N/A

Bracing Good

Hardware Good

Fill Good

Riprap Good

Bearings Good

Corrosion Protection Good

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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          | Good |                                      |
| Grout Pockets          | Good |                                      |
| Deck Joints            | Good |                                      |
| Steel Deck Plate       | N/A  |                                      |
| Gravel Surface         | N/A  |                                      |
| Curb Rail/Blocks/Posts | Poor | Replace due to rot and insect damage |
| Hand Rails/Walkouts    | N/A  |                                      |
| Hardware               | Good |                                      |
| Overall Deck Condition | Good |                                      |
| Gravel Depth (mm)      | 0    |                                      |

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**Steel/Concrete**

Serial/ID Plate As per photo

Girders Good

Diaphragms Good

Bracing Good

Under Trussing N/A

Hardware Good

Welded/grouted  
shear connectors Good**Log**

Log Curbs N/A

Needle Beam N/A

Needle Lashing/  
Shimming N/A

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   | Aggradation | <input type="checkbox"/> | Scour  | <input type="checkbox"/> |
| Estimated High Water Level Clearance (m) | 1.8 | Ice         | <input type="checkbox"/> |        |                          |

Comments

## Repairs and Monitoring

| Repair Item | Priority | Repair Description                                |
|-------------|----------|---------------------------------------------------|
| 1           | Medium   | Replace all guardrails before industrial activity |
| 2           | Low      | Repair left bank exposed rebar in ballast wall    |
| 3           | Low      | Post bridge ahead signs                           |

| Item | Monitor Description | Frequency |
|------|---------------------|-----------|
| 1    |                     |           |
| 2    |                     |           |
| 3    |                     |           |

Sketch  
(Select Signature)

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Downstream Profile



Structure Or Manufacturer ID



Left Bank Abutment when facing downstream



Left approach viewed from bridge



Right approach viewed from bridge



Guard Rail



Approach from Right Bank when facing downstream



Approach from Left Bank when facing downstream



Deck



Upstream Profile



Right Bank Abutment when facing downstream