

CK-2266

STAVE RIVER 15.8km

2017 Inspection

CBR iPad Offline Ver



## CBR Data

|                              |                               |
|------------------------------|-------------------------------|
| Latitude                     | Longitude                     |
| 49°31'50.9"                  | -122°16'40.7"                 |
| Crossing Name                | Side Creek                    |
| FSR #                        | 8013      Branch #    1       |
| Road Name                    | STAVE RIVER                   |
| User km                      | 15.8                          |
| Current Load Rating (tonnes) | 30                            |
| Structure Class              | Temporary Bridge              |
| Portable                     | N                             |
| Superstructure               | Log Stringers                 |
| Deck Type                    | Gravel                        |
| Abutment Left                | Crib, Log or Untreated Timber |
| Abutment Right               | Crib, Log or Untreated Timber |
| Spans                        | 1                             |
| Total Length (m)             | 8                             |
| Deck Width (m)               | 5                             |

## Updated Data

|              |                             |
|--------------|-----------------------------|
| Latitude     | Longitude                   |
| 49°31'51.62" | -122°16'40.3"               |
| HD Diff. (m) | 23.7      Accuracy (m)    5 |

## Inspection

Date of Inspection    2017-09-14 12:10:12 PM

Recommended Next Inspection Year    2018

Inspector Name    Michael Foster

Inspection Company    Onsite Engineering Ltd

## Inspector Comments

Continue with 30T load rating. Replace for industrial use.  
 Numerous conks on stringers. Structure is fairly low to ground so low risk to excavators Crossing to replace structure.  
 Possible 2nd layer of stringers

## P.Eng Comments

Present load rating of 30 tonnes to continue. Replace structure soon. Post load rating sign.



26/01/2018

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 Poor Grader berms only

Posted Load Rating

Road Surface Good

## Abutment

Log/Timber Cribs Poor Visibly rotten

Tie Backs Poor Visibly rotten

Bin Wall N/A

Concrete N/A

Caps or Sills N/A

Piles or Posts N/A

Ballast Wall N/A

Wing Wall N/A

Bracing N/A

Hardware N/A

Fill N/A

Riprap N/A

Bearings N/A

Corrosion Protection N/A

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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          | N/A  |                                    |
| Grout Pockets          | N/A  |                                    |
| Deck Joints            | N/A  |                                    |
| Steel Deck Plate       | N/A  |                                    |
| Gravel Surface         | Good |                                    |
| Curb Rail/Blocks/Posts | Fair | Hemlock logs lashed to guard logs. |
| Hand Rails/Walkouts    | N/A  |                                    |
| Hardware               | N/A  |                                    |
| Overall Deck Condition | Fair |                                    |
| Gravel Depth (mm)      | 1.2  |                                    |

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## Steel/Concrete

Serial/ID Plate

Girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted  
shear connectors

## Log

Log Curbs Fair Hemlock logs lashed to guard logs

Needle Beam N/A

Needle Lashing/  
Shimming N/A

Needle Beam to Crib (m)

Needle Diameter (mm)

| Stringer<br>Number | Species | Peeled | Diameter<br>(mm) | Rot Depth<br>(mm) | Condition | Comment |
|--------------------|---------|--------|------------------|-------------------|-----------|---------|
| 1                  | Fd      | Y      | 480              | 200               | Poor      | Conks   |
| 2                  | Fd      | Y      | 470              | 100               | Poor      | Rot     |
| 3                  | Fd      | Y      | 710              | 25                | Fair      | Sap     |
| 4                  | Fd      | Y      | 600              | 30                | Fair      | Sap rot |
| 5                  | Fd      | Y      | 550              | 30                | Fair      | Sap rot |
| 6                  | Fd      | Y      | 500              | 30                | Fair      | Sap rot |
| 7                  | Fd      | Y      | 550              | 30                | Fair      | Sap rot |
| 8                  | Fd      | Y      | 500              | 100               | Fair      | Conk    |
| 9                  | Fd      | Y      | 650              | 150               | Poor      | Conk    |
| 10                 | Fd      | Y      | 600              | 150               | Poor      | Conk    |
| 11                 | Fd      | Y      | 550              | 150               | Poor      | Conk    |

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## Hazards

|                                          |   |             |                          |        |                          |
|------------------------------------------|---|-------------|--------------------------|--------|--------------------------|
| Estimated Present Water Level Depth (m)  | 0 | High Water  | <input type="checkbox"/> | Debris | <input type="checkbox"/> |
| Estimated Present Water Level Width (m)  | 0 | Aggradation | <input type="checkbox"/> | Scour  | <input type="checkbox"/> |
| Estimated High Water Level Clearance (m) | 1 | Ice         | <input type="checkbox"/> |        |                          |

Comments

## Repairs and Monitoring

## Repair

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

|   |        |                                       |
|---|--------|---------------------------------------|
| 1 | Medium | Replace structure for industrial use. |
|---|--------|---------------------------------------|

|   |      |                       |
|---|------|-----------------------|
| 2 | High | Post load rating sign |
|---|------|-----------------------|

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

| Item | Monitor Description | Frequency |
|------|---------------------|-----------|
|------|---------------------|-----------|

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

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

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

Sketch  
(Select Signature)



Left approach viewed from bridge



Approach from Right Bank when facing downstream



Right approach viewed from bridge



Upstream Profile

Left Bank Abutment when facing downstream



Downstream Profile



Right Bank Abutment when facing downstream