

CK-2261

STAVE RIVER 7.5km

2017 Inspection

CBR iPad Offline Ver



## CBR Data

|                              |                               |          |   |
|------------------------------|-------------------------------|----------|---|
| Latitude                     | Longitude                     |          |   |
| 49°28'38.1"                  | -122°14'10.6"                 |          |   |
| Crossing Name                | Winslow Creek                 |          |   |
| FSR #                        | 8013                          | Branch # | 1 |
| Road Name                    | STAVE RIVER                   |          |   |
| User km                      | 7.5                           |          |   |
| Current Load Rating (tonnes) | 30                            |          |   |
| Structure Class              | Temporary Bridge              |          |   |
| Portable                     | N                             |          |   |
| Superstructure               | Steel I-beam                  |          |   |
| Deck Type                    | Timber - Untreated - Panels   |          |   |
| Abutment Left                | Crib, Log or Untreated Timber |          |   |
| Abutment Right               | Crib, Log or Untreated Timber |          |   |
| Spans                        | 2                             |          |   |
| Total Length (m)             | 36.3                          |          |   |
| Deck Width (m)               | 4.9                           |          |   |

## Updated Data

|              |                |              |   |
|--------------|----------------|--------------|---|
| Latitude     | Longitude      |              |   |
| 49°28'37.49" | -122°14'11.19" |              |   |
| HD Diff. (m) | 22.2           | Accuracy (m) | 5 |

## Inspection

Date of Inspection 2017-09-14 9:46:15 AM

Recommended Next Inspection Year 2018

Inspector Name Michael Foster

Inspection Company Onsite Engineering Ltd

Inspector Comments

Recommend to replace entire bridge and substructure with clear span bridge.

P.Eng Comments

Present load rating of 30 tonnes to continue - post load rating sign. Replace the missing no post barriers at right downstream approach. Replace the entire structure soon.



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 ☐ 2

 Delineator Missing  
 Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Poor

Right downstream no post was bumped off road edge

Posted Load Rating

Road Surface Good

## Abutment

Log/Timber Cribs Poor

Visible rot

Tie Backs Poor

Visibly rotten

Bin Wall N/A

Concrete N/A

Caps or Sills N/A

Piles or Posts N/A

Ballast Wall Fair

Wing Wall Poor

Left side wingwall visibly rotten

Bracing N/A

Hardware Fair

Fill Fair

Riprap Fair

Bearings Fair

Corrosion Protection N/A

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**Deck**

Running Surface      Poor

Running Planks      Poor      Rotten and old

Sub Deck      Fair

Ties      Fair

Nails      Poor      Nails protruding from surface

Deck to Girder Bolts      Fair

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      Fair

Hand Rails/Walkouts      N/A

Hardware      N/A

Overall Deck Condition      Fair

Gravel Depth (mm)

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**Steel/Concrete**

Serial/ID Plate

Girders Good

Diaphragms Good

Bracing Good

Under Trussing N/A

Hardware Good

Welded/grouted  
shear connectors N/A**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 |
|--------------------|---------|--------|------------------|-------------------|-----------|---------|
|--------------------|---------|--------|------------------|-------------------|-----------|---------|

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## Hazards

|                                          |     |             |                          |        |                                     |
|------------------------------------------|-----|-------------|--------------------------|--------|-------------------------------------|
| Estimated Present Water Level Depth (m)  | 1.3 | High Water  | <input type="checkbox"/> | Debris | <input checked="" type="checkbox"/> |
| Estimated Present Water Level Width (m)  | 15  | Aggradation | <input type="checkbox"/> | Scour  | <input type="checkbox"/>            |
| Estimated High Water Level Clearance (m) | 2.5 | Ice         | <input type="checkbox"/> |        |                                     |

Comments

## Repairs and Monitoring

Repair

| Item | Priority | Repair Description                                            |
|------|----------|---------------------------------------------------------------|
| 1    | Medium   | Replace bridge and substructure for industrial use.           |
| 2    | High     | Post load rating sign                                         |
| 3    | Medium   | Replace missing no post barriers at downstream right approach |

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

Sketch  
(Select Signature)



Right Bank Abutment when facing downstream



Upstream Profile



Left Bank Abutment when facing downstream



Approach from Left Bank when facing downstream



Left approach viewed from bridge



Approach from Right Bank when facing downstream



Right approach viewed from bridge



Downstream Profile



Right Bank Abutment when facing downstream



Pier