

CK-2264

STAVE 11.9km

2018 Inspection

CBR iPad Offline Ver 0.28



## CBR Data

|                              |                               |          |   |
|------------------------------|-------------------------------|----------|---|
| Latitude                     | Longitude                     |          |   |
| 49°30'13.39"                 | -122°15'52"                   |          |   |
| Crossing Name                | Side Creek                    |          |   |
| FSR #                        | 8013                          | Branch # | 1 |
| Road Name                    | STAVE                         |          |   |
| User km                      | 11.9                          |          |   |
| 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)             | 7.5                           |          |   |
| Deck Width (m)               | 5                             |          |   |

## Updated Data

|              |                |              |   |
|--------------|----------------|--------------|---|
| Latitude     | Longitude      |              |   |
| 49°30'13.49" | -122°15'51.51" |              |   |
| HD Diff. (m) | 10.1           | Accuracy (m) | 5 |
| 20 tonnes    |                |              |   |

## Inspection

Date of Inspection 2019-01-15 10:33:34 AM

Recommended Next Inspection Year 2019

Inspector Name Tyson Miller

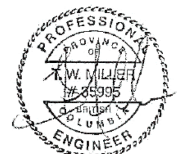
Inspection Company MFLNRO

## Inspector Comments

This structure has 2 layers of stringers. The top layer cannot be inspected as they are blocked from view on the top and bottom. The downstream outside top stringers have conk visible.

## P.Eng Comments

Fruiting bodies or conk are now visible on the outside top layer of stringers (visible on downstream end). Without the top layer of stringers being visible for a more thorough inspection all stringers are assumed to be degrading similar to that of the outside ones. Limit loading to 20 tonnes and plan to replace the structure soon. Post load rating signs.



04/02/2019

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 None

Posted Load Rating Not posted

Road Surface Good

## Abutment

Log/Timber Cribs Poor 3 open face logs, old and rotting

Tie Backs Poor 4x, old and rotting/spilting

Bin Wall

Concrete

Caps or Sills

Piles or Posts

Ballast Wall

Wing Wall

Bracing

Hardware Poor Loose lashing

Fill Fair

Riprap Poor None

Bearings

Corrosion Protection

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## Deck

Running Surface

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface    **Poor**    Top layer of stringers exposed on wheel path

Curb Rail/Blocks/Posts    **Fair**

Hand Rails/Walkouts

Hardware

Overall Deck Condition    **Fair**

Gravel Depth (mm)    100    Top layer of stringers visible on wheel path

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## Steel/Concrete

Girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted  
shear connectors

## Log

Log Curbs Fair Not visibly fastened

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 |
|--------------------|---------|--------|------------------|-------------------|-----------|---------|
| 1                  | Cw      | Y      | 650              | 40                | Fair      | Sap rot |
| 2                  | Cw      | Y      | 550              | 30                | Fair      | Sap rot |
| 3                  | Cw      | Y      | 650              | 30                | Fair      | Sap rot |
| 4                  | Cw      | Y      | 600              | 30                | Fair      | Sap rot |
| 5                  | Cw      | Y      | 550              | 30                | Fair      | Sap rot |
| 6                  | Cw      | Y      | 550              | 30                | Fair      | Sap rot |
| 7                  | Cw      | Y      | 570              | 30                | Fair      | Sap rot |
| 8                  | Cw      | Y      | 600              | 40                | Fair      | Sap rot |

These are the bottom stringers

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## Hazards

|                                          |     |             |                          |        |                          |
|------------------------------------------|-----|-------------|--------------------------|--------|--------------------------|
| Estimated Present Water Level Depth (m)  | 0.2 | High Water  | <input type="checkbox"/> | Debris | <input type="checkbox"/> |
| Estimated Present Water Level Width (m)  | 4.0 | Aggradation | <input type="checkbox"/> | Scour  | <input type="checkbox"/> |
| Estimated High Water Level Clearance (m) | 0.5 | Ice         | <input type="checkbox"/> |        |                          |

## Comments

Adjacent the Stave River

## Repairs and Monitoring

### Repair

| Item | Priority | Repair Description     |
|------|----------|------------------------|
| 1    | High     | Post load rating signs |
| 2    |          |                        |
| 3    |          |                        |

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

Sketch  
(Select Signature)



Approach from Right Bank when facing downstream



Top stringers visible from surface



Deck



Upstream from Crossing



Downstream from Crossing



Downstream Profile



Approach from Left Bank when facing downstream



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Top layer of stringers have conk



Stringers