

CK-2331

STAVE 4.3km

2018 Inspection

CBR iPad Offline Ver 0.28



## CBR Data

|                              |                       |          |   |
|------------------------------|-----------------------|----------|---|
| Latitude                     | Longitude             |          |   |
| 49°27'42.99"                 | -122°13'11"           |          |   |
| Crossing Name                | Camp Creek            |          |   |
| FSR #                        | 8013                  | Branch # | 1 |
| Road Name                    | STAVE                 |          |   |
| User km                      | 4.3                   |          |   |
| Current Load Rating (tonnes) | 68                    |          |   |
| Structure Class              | Permanent Bridge      |          |   |
| Portable                     | N                     |          |   |
| Superstructure               | Concrete Slab Girders |          |   |
| Deck Type                    | Concrete              |          |   |
| Abutment Left                | Concrete Lock Blocks  |          |   |
| Abutment Right               | Concrete Lock Blocks  |          |   |
| Spans                        | 1                     |          |   |
| Total Length (m)             | 12.1                  |          |   |
| Deck Width (m)               | 5.63                  |          |   |

## Updated Data

|              |                |              |   |
|--------------|----------------|--------------|---|
| Latitude     | Longitude      |              |   |
| 49°27'41.84" | -122°13'10.82" |              |   |
| HD Diff. (m) | 36.1           | Accuracy (m) | 5 |

## Inspection

Date of Inspection 2018-06-06 10:44:32 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2021

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

Install bridge ahead signs and grade approaches with industrial activity. The present load rating of L75 or 68 tonnes to continue. Monitor bedload and scour.



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

Logs

Posted Load Rating

Not posted

Road Surface Good

## Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete Good

2 rows of lock blocks

Caps or Sills Good

250mm x 300mm treated timber

Piles or Posts

Ballast Wall Good

Treated timbers

Wing Wall

Bracing Unrated

No geotextile tieback noted

Hardware

Fill Good

Riprap Fair

Downstream left abutment scour noted; stream elevation lower than footing elevation

Bearings Good

Corrosion Protection

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**Deck**

Running Surface Fair

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Fair Reused girders; wear noted most likely from tracked equipment

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Good

Hand Rails/Walkouts

Hardware Good

Overall Deck Condition Fair

Gravel Depth (mm)

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**Steel/Concrete**

Girders Fair 4 reused concrete slab girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted shear connectors Fair Welded shear connector and joints grouted

**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)  | 0.3 | High Water  | <input checked="" type="checkbox"/> | Debris | <input checked="" type="checkbox"/> |
| Estimated Present Water Level Width (m)  | 5.0 | Aggradation | <input checked="" type="checkbox"/> | Scour  | <input checked="" type="checkbox"/> |
| Estimated High Water Level Clearance (m) | 0.5 | Ice         | <input type="checkbox"/>            |        |                                     |

Comments Stream heavily turns through crossing location. The stream is depositing bedload at the right abutment end and scouring out of the downstream left abutment.

## Repairs and Monitoring

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

|   |        |                         |
|---|--------|-------------------------|
| 1 | Medium | Post bridge ahead signs |
|---|--------|-------------------------|

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

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

| Item | Monitor Description                                          | Frequency          |
|------|--------------------------------------------------------------|--------------------|
| 1    | Bedload at the right abutment and scour at the left abutment | Routine Inspection |

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

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

Sketch  
(Select Signature)



Approach from Left Bank when facing downstream



Upstream from Crossing



Deck



Downstream from Crossing



Approach from Right Bank when facing downstream



Upstream Profile



Left Bank Abutment when facing downstream



Treated timber sill



Right Bank Abutment when facing downstream



Downstream left bank spread footing visible



Superstructure