

SQ-3241

BREW CREEK FSR 2.2km

2019 Inspection

CBR iPad Offline Ver 0.31



## CBR Data

|                               |                         |
|-------------------------------|-------------------------|
| Latitude                      | Longitude               |
| 50°2'36.3"                    | -123°8'17.7"            |
| Crossing Name                 | Tributary to Brew Creek |
| FSR #                         | 10490                   |
| Branch #                      | 1                       |
| Road Name                     | BREW CREEK FSR          |
| User km                       | 2.2                     |
| Previous Load Rating (tonnes) | 91                      |
| Structure Class               | Permanent Bridge        |
| Portable                      | N                       |
| Superstructure                | Concrete Slab Girders   |
| Deck Type                     | Concrete Removable      |
| Abutment Left                 | Concrete Lock Blocks    |
| Abutment Right                | Concrete Lock Blocks    |
| Spans                         | 1                       |
| Total Length (m)              | 6                       |
| Deck Width (m)                | 4.9                     |

## Updated Data

|              |           |
|--------------|-----------|
| Latitude     | Longitude |
| °0'0"        | °0'0"     |
| HD Diff. (m) | 5570807.7 |
| Accuracy (m) |           |

## Inspection

Date of Inspection 2019-09-18 10:24:50 AM

Inspector Name Richard Mills

Recommended Next Inspection Year

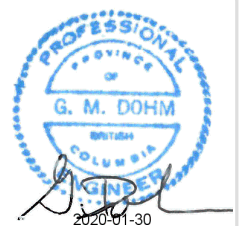
Inspection Company FLNRORD

Inspector Comments Serial/ID Plate

Right abutment lock blocks and upstream slab on upstream side settled slightly (approx 1"). Likely during installation. Monitor.

## P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., January 30, 2020  
Load Rating: L100 or 91 tonnes  
Next Inspection: 2022  
Comments: see repairs required



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 Missing

Posted Load Rating 91

Road Surface Good

## Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Pier

Concrete Fair Lock blocks upstream left side settled slightly. Monitor.

Caps or Sills Fair

Piles or Posts N/A

Ballast Wall N/A

Wing Wall N/A

Bracing N/A

Hardware N/A

Fill Good

Riprap Good

Bearings Fair

Corrosion Protection

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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      N/A

Deck Joints      Good

Steel Deck Plate      N/A

Gravel Surface      N/A

Curb Rail/Blocks/Posts      Poor      Rotten.

Hand Rails/Walkouts      N/A

Hardware      Good

Overall Deck Condition      Fair

Gravel Depth (mm)

Pier Deck

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**Steel/Concrete**

Girders Good

Diaphragms N/A

Bracing N/A

Under Trussing N/A

Hardware N/A

Welded/grouted  
shear connectors N/A**Log**

Log Curbs

Needle Beam

Needle Lashing/  
Shimming

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)  | 0.2 | High Water  | <input type="checkbox"/> | Debris | <input type="checkbox"/> |
| Estimated Present Water Level Width (m)  | 2.0 | Aggradation | <input type="checkbox"/> | Scour  | <input type="checkbox"/> |
| Estimated High Water Level Clearance (m) | 1.5 | Ice         | <input type="checkbox"/> |        |                          |

Comments

## Repairs and Monitoring

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

|   |      |                       |
|---|------|-----------------------|
| 1 | High | Add approach barriers |
|---|------|-----------------------|

|   |      |                    |
|---|------|--------------------|
| 2 | High | Replace guardrails |
|---|------|--------------------|

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

| Item | Monitor Description   | Frequency          |
|------|-----------------------|--------------------|
| 1    | Monitor left abutment | Routine Inspection |

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

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

Sketch  
(Select Signature)



Approach from Left Bank when facing downstream



Guard Rail



Structure ID



Left Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Upstream slab settled by approx 1" on upstream. Monitor.