

SQ-3024

SWIFT CREEK 01 1km

2019 Inspection



CBR iPad Offline Ver 0.31

## CBR Data

|                               |                            |
|-------------------------------|----------------------------|
| Latitude                      | Longitude                  |
| 49°51'13.39"                  | -123°8'46.2"               |
| Crossing Name                 | Swift Creek                |
| FSR #                         | 8202                       |
| Branch #                      | 1                          |
| Road Name                     | SWIFT CREEK 01             |
| User km                       | 1                          |
| Previous Load Rating (tonnes) | 91                         |
| Structure Class               | Temporary Bridge           |
| Portable                      | N                          |
| Superstructure                | Timber - treated stringers |
| Deck Type                     | Timber - Untreated         |
| Abutment Left                 | Concrete Lock Blocks       |
| Abutment Right                | Concrete Lock Blocks       |
| Spans                         | 1                          |
| Total Length (m)              | 4.9                        |
| Deck Width (m)                | 4.2                        |

## Updated Data

|              |               |
|--------------|---------------|
| Latitude     | Longitude     |
| 49°51'12.54" | -123°8'46.33" |
| HD Diff. (m) | 26.7          |
| Accuracy (m) | 5             |

## Inspection

Date of Inspection

Recommended Next Inspection Year

Inspector Name Greg Dohm

Inspection Company FLNRORD

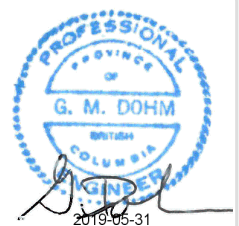
Inspector Comments Serial/ID Plate

Ties Getting old (treated with rot in ends) 200x200 @ 400 Oc. and rotting but interior still generally sound with 20 mm rot but will require replacement within 2 or 3 years. Because stringer spacing only 16" gap between ties part deterioration of ties less of a concern. Stringers are 14" wide x15.5" deep at 30" o.c. No rot detected in stringers.

Abutment on left side sill covered by styrofoam by homeowner to protect homeowners waterline laid in behind bridge near sill timber.

## P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., May 31, 2019  
Load Rating: BCL625 or 63 tonnes  
Next Inspection: 2021  
Comments: Replace rotten deck planks on downstream side of bridge prior to industrial use.



P.Eng Seal

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## Approach

Alignment Fair

Bridge Ahead Signs  
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y

Delineator Missing  
Left ☒ 0 ☐ 1 ☐ 2Delineator Missing  
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Unrated None but not required due to slow speed

Posted Load Rating 91

Road Surface Fair

## Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Fair

Caps or Sills Fair Abutment on left side sill covered by styrofoam by homeowner to protect homeowners waterline laid in behind bridge near sill timber.

Piles or Posts

Ballast Wall

Wing Wall

Bracing

Hardware Fair Stringers lashed to sill caps at ends

Fill Fair

Riprap Fair

Bearings Fair

Corrosion Protection Fair

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## Deck

Running Surface Fair

Running Planks Fair

Sub Deck N/A

Ties Fair

Nails Fair

Ties Getting old (treated with rot in ends) 200x200 @ 400 Oc. and rotting but interior still generally sound with 20 mm rot but will require replacement within 2 or 3 years .  
Because stringer spacing only 16" gap between ties part deterioration of ties less of a concern.

Stringers are 14" wide x15.5" deep at 30" o.c. No rot detected in stringers.

Deck to Girder Bolts N/A

Concrete Deck N/A

Grout Pockets N/A

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Fair

Hand Rails/Walkouts

Hardware Fair

Stringers lashed to timber sills on lockblocks

Overall Deck Condition Fair

Gravel Depth (mm)

Pier Deck

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**Steel/Concrete**

Girders

Stringers in fair condition

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted  
shear connectors**Log**

Log Curbs Fair

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  | High Water  | <input type="checkbox"/> | Debris | <input type="checkbox"/> |
| Estimated Present Water Level Width (m)  | 2.5 | Aggradation | <input type="checkbox"/> | Scour  | <input type="checkbox"/> |
| Estimated High Water Level Clearance (m) | 1.2 | Ice         | <input type="checkbox"/> |        |                          |

Comments

## Repairs and Monitoring

### Repair

| Item | Priority | Repair Description                                                                          |
|------|----------|---------------------------------------------------------------------------------------------|
| 1    | High     | Needs to replace 2 deck planks due to hole in deck from silt deposits in past per neighbour |
| 2    | Medium   | Replace cross ties within 2 or 3 years.                                                     |
| 3    |          |                                                                                             |

| Item | Monitor Description                                                                                                                                                                                                                                                                          | Frequency          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 1    | Ties Getting old (treated with rot in ends and 20mm rot interior ) 200x200 @ 400 Oc. and deteriorating but because stringer spacing only 16" gap between ties part deterioration of ties less of a concern. Stringers are 14" wide x15.5" deep at 30" o.c. with no significant rot detected. | Routine Inspection |
| 2    | Abutment on left side sill covered by styrofoam by homeowner to protect homeowners waterline laid in behind bridge near sill timber.                                                                                                                                                         | Routine Inspection |
| 3    |                                                                                                                                                                                                                                                                                              |                    |

Sketch  
(Select Signature)



Approach from Left Bank when facing downstream



Deck



Approach from Right Bank when facing downstream



Upstream from Crossing



Downstream from Crossing



Deck



Upstream Profile



Upstream Profile



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Downstream from Crossing



Upstream from Crossing



Left Bank Abutment when facing downstream



Downstream Profile



Downstream Profile



Deck