

SQ-3028  
SQ-3028

## BIRKENHEAD LOWERWEST

2021 Inspection

CBR iPad Offline Ver 0.33



### CBR Data

|                               |                          |
|-------------------------------|--------------------------|
| Latitude                      | Longitude                |
| 50°29'48.99"                  | -122°43'58.6"            |
| Crossing Name                 | Birkenhead River         |
| FSR #                         | 5733                     |
| Branch #                      | 3                        |
| Road Name                     | BIRKENHEAD LOWERWEST     |
| User km                       | 0.5                      |
| Previous Load Rating (tonnes) | 62                       |
| Structure Class               | Temporary Bridge         |
| Portable                      | N                        |
| Superstructure                | Steel Truss/Bailey/Acrow |
| Deck Type                     | Timber - Untreated       |
| Abutment Left                 | Other                    |
| Abutment Right                | Other                    |
| Spans                         | 1                        |
| Total Length (m)              | 30.5                     |
| Deck Width (m)                | 4.3                      |

### Updated Data

|              |                |
|--------------|----------------|
| Latitude     | Longitude      |
| 50°29'48.71" | -122°43'58.08" |
| HD Diff. (m) | 13.5           |
| Accuracy (m) | 6              |

### Inspection

Date of Inspection 2021-09-22 11:57:15 AM

Inspector Name Greg Dohm

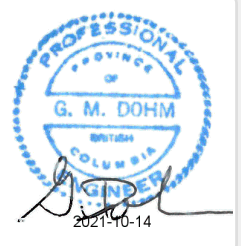
Inspector Comments Serial/ID Plate

Recommended Next Inspection Year

Inspection Company FLNRORD

P.Eng Comments

Load Rated by: MFLNRORD, Greg Dohm, PEng., Oct. 14, 2021  
Load Rating: BCL625 or 62 tonnes  
Next Inspection: 2023  
Comments:



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 ☐ 2

Delineator Missing  
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Poor None but not required

Posted Load Rating 62

Road Surface Fair

### Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts

Ballast Wall Fair

Wing Wall

Bracing Fair

Hardware Fair

Fill Good

Riprap N/A

Bearings Fair

Corrosion Protection Fair

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**Deck**

Running Surface      **Good**

Running Planks      **Fair**

Sub Deck      **Good**      Treated

Ties

Nails      **Good**

Deck to Girder Bolts      **Good**

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts      **Good**

Hand Rails/Walkouts

Hardware      **Fair**

Overall Deck Condition      **Fair**

Gravel Depth (mm)

Pier Deck

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### Steel/Concrete

Girders Fair Dsr acrow truss style

Diaphragms Fair

Bracing Fair

Under Trussing

Hardware Fair

Welded/grouted  
shear connectors

### 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  | High Water  | <input type="checkbox"/> | Debris | <input type="checkbox"/> |
| Estimated Present Water Level Width (m)  | 10 | Aggradation | <input type="checkbox"/> | Scour  | <input type="checkbox"/> |
| Estimated High Water Level Clearance (m) | 4  | Ice         | <input type="checkbox"/> |        |                          |

Comments

### Repairs and Monitoring

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

1

2

3

4

5

6

7

| Item | Monitor Description | Frequency |
|------|---------------------|-----------|
|------|---------------------|-----------|

1

2

3



Approach from Left Bank when facing downstream



Deck



Superstructure



Superstructure



Upstream from Crossing



Downstream from Crossing



Approach from Right Bank when facing downstream



Downstream Profile



Deck



Superstructure



Superstructure



Superstructure



Superstructure



Bearing



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Superstructure



Deck



Upstream Profile



Superstructure