

SQ-3074  
SQ-3074

CHANCE CREEK 0.05km

2022 Inspection

CBR iPad Offline Ver 0.36



### CBR Data

Latitude 49°57'41.79" Longitude -123°9'25.4"

Site Status Active

Insp. Status Inspect

Crossing Name Cheakamus River

FSR # 7704 Branch # 1

Road Name CHANCE CREEK

User km 0.05

Previous Load Rating (tonnes) 63

Structure Class Permanent Bridge

Portable N

Superstructure Steel I-beam

Deck Type Timber - Untreated

Abutment Left Concrete Cast in Place

Abutment Right Concrete Cast in Place

Spans 3

Total Length (m) 61.3

Deck Width (m) 4.8

### Updated Data

Latitude °0'0" Longitude °0'0"

HD Diff. (m) 5561701.1 Accuracy (m)

Timber – Treated

### Inspection

Date of Inspection 2022-09-27 8:38:45 PM

Recommended Next Inspection 2023

Inspector Name Mitch Lowe

Inspection Company MoF

Serial/ID Plate

#### Inspector Comments

Suggest scheduling snooper inspection if it has not been completed recently.

Recommend more frequent inspections given condition of pier 1 timbers.

Post inspection comments: discussed condition of pier 1 timbers and it is considered to be stable and not deteriorating rapidly.

However, potential replacement of the timber portion of the pier with proposed steel towers on existing concrete pier base may be possible as future upgrading option, per g.dohm.

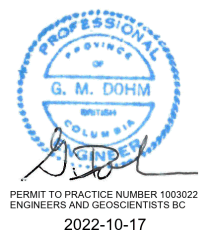
#### P.Eng Comments

Load Rated by: MOF, Greg Dohm, PEng., Oct. 14, 2022

Load Rating: BCL625 or 63 tonnes

Next Inspection: 2024

Comments: plan to do snooper truck inspection for 2024 inspection



PERMIT TO PRACTICE: 1003022

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## Approach

Alignment Fair

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

Posted Load Rating 63

Road Surface Fair

## Abutment

Log/Timber Crib Fair Fair to Poor. Large gaps in fill. 2018 inspection suggested replacement by 5 years (2023).

Tie Backs Fair See log crib comment.

Bin Wall

Pier Fair

Concrete Fair Unable to fully assess. Some cracking, present in pier 2.

Caps or Sills Fair

Piles or Posts

Ballast Wall Fair

Wing Wall

Bracing

Hardware

Fill Fair

Riprap Fair

Bearings Fair

Corrosion Protection Poor Suggest investigating options to coat piles in pier 2.

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### Deck

Running Surface

Running Planks      Poor      Starting to age and wear down in several locations. Likely to require replacement by next inspection.

Sub Deck      Good

Ties      Good      Stiffening timbers below ties in good condition

Nails      Fair

Deck to Girder Bolts      Fair

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface      Fair      Gravel surface over box cribs tracking onto bridge deck

Curb Rail/Blocks/Posts      Good

Hand Rails/Walkouts

Hardware      Good

Overall Deck Condition      Fair

Gravel Depth (mm)

Pier Deck      Fair

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## Steel/Concrete

Girders Fair

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) | High Water  | <input type="checkbox"/> | Debris | <input checked="" type="checkbox"/> |
| Estimated Present Water Level Width (m) | Aggradation | <input type="checkbox"/> | Scour  | <input checked="" type="checkbox"/> |
| Estimated High Water Level Clearance    | Ic          | <input type="checkbox"/> |        |                                     |
| Comments                                |             |                          |        |                                     |

## Repairs and Monitoring

| Repair Item                                                                 | Repair Description                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 Substructure. Piling/pedestal maintenance. m².<br>Priority:Medium         | Suggest coating piles below concrete pier 2                                                                                                                                                                                                                                                                                                                 |
| 2 Substructure. Piling/pedestal replacement. # of items.<br>Priority:Medium | Suggest replacing pier 1 timbers by next inspection unless recent snooper results have proven favourable. Post Inspection: greg dohm reviewed with inspector and concluded pier condition is adequate and best approach is not monitor at routine inspections. In future can plan to replace pier with possible steel post columns on top of concrete pier. |
| 3 Structure. Minor redecking (wearing surface). m.<br>Priority:Low          | Plan to replace wear decking by 2024                                                                                                                                                                                                                                                                                                                        |
| 4 Structure. Bearing replacement. # of items.<br>Priority:Medium            | Clean dirt from girder ends                                                                                                                                                                                                                                                                                                                                 |

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| Item | Monitor Description                       | Frequency          |
|------|-------------------------------------------|--------------------|
| 1    | Monitor river right riprap for settlement | Routine Inspection |
| 2    |                                           |                    |
| 3    |                                           |                    |



Approach from Left Bank when facing downstream



Deck



Deck



Deck



Deck



Bearing



Outlet



Pier



Bearing



Structure ID



Pier



Pier



Pier



Bearing



Pier



Pier