| QC-7201 | BEACH/RENNELL HILL 3.1km | 2018 Inspection |
|---|---|---|

CBR iPad Offline Ver

BRITISH COLUMBIA

## CBR Data

| Latitude | Longitude |
|---|---|
| 53°20'33.69" | -132°25'33.5" |

| | |
|---|---|
| Crossing Name | Shelley Creek |
| FSR # | 8229 |
| Branch # | 02 |
| Road Name | BEACH/RENNELL HILL |
| User km | 3.1 |
| Current Load Rating (tonnes) | 68 |
| Structure Class | Permanent Bridge |
| Portable | N |
| Superstructure | Steel I-beam |
| Deck Type | Timber - Untreated |
| Abutment Left | Binwall |
| Abutment Right | Binwall |
| Spans | 1 |
| Total Length (m) | 15.6 |
| Deck Width (m) | 4.9 |

## Updated Data

| Latitude | Longitude |
|---|---|
| 53°20'34.1" | -132°25'34.19" |

| | | | |
|---|---|---|---|
| HD Diff. (m) | 17.8 | Accuracy (m) | 5 |

## Inspection

Date of Inspection: 2018-09-16 1:05:35 PM

Recommended Next Inspection Year: 2021

Inspector Name: Robert Kemmler

Inspection Company: Onsite Engineering

Inspector Comments: Serial/ID Plate MOF, L-75, WO-300, 15.6M, July, 92

P.Eng Comments

Load Rated by: MFLNRO, J. Harvey P.Eng., February 5, 2018
Load Rating: 68 Tonnes GVW
Next Inspection: September 1, 2021
Comments:

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
J. E. HARVEY
# 33433

February 6 2019

P.Eng Seal

| QC-7201 | BEACH/RENNELL HILL 3.1km | 2018 Inspection |
|---|---|---|

CBR iPad Offline Ver

## Approach

| | | |
|---|---|---|
| Alignment | Fair | Rise in road limits visibility |
| Bridge Ahead Signs Missing | • 0 ○ 1 ○ 2 | |
| Brushing Required | Y | |
| Delineator Missing Left | • 0 ○ 1 ○ 2 | |
| Delineator Missing Right | • 0 ○ 1 ○ 2 | |
| Fender Condition | Fair | Not visible due to brush |
| Posted Load Rating | 0 | None posted |
| Road Surface | Fair | |

## Abutment

| | | |
|---|---|---|
| Log/Timber Cribs | N/A | |
| Tie Backs | N/A | |
| Bin Wall | Good | |
| Concrete | Good | |
| Caps or Sills | N/A | |
| Piles or Posts | N/A | |
| Ballast Wall | Good | |
| Wing Wall | N/A | |
| Bracing | N/A | |
| Hardware | N/A | |
| Fill | Good | |
| Riprap | Fair | |
| Bearings | Good | |
| Corrosion Protection | Fair | Showing signs of scaling. |

## Deck

| | | |
|---|---|---|
| Running Surface | Fair | |
| Running Planks | Fair | Showing wear, nails protruding, expect to replace in 1-2 years. |
| Sub Deck | Good | |
| Ties | Good | |
| Nails | Fair | |
| Deck to Girder Bolts | N/A | |
| Concrete Deck | N/A | |
| Grout Pockets | N/A | |
| Deck Joints | N/A | |
| Steel Deck Plate | N/A | |
| Gravel Surface | N/A | |
| Curb Rail/Blocks/Posts | Fair | |
| Hand Rails/Walkouts | N/A | |
| Hardware | N/A | |
| Overall Deck Condition | Fair | |
| Gravel Depth (mm) | 0 | |

## Steel/Concrete

| | | |
|---|---|---|
| Girders | Fair | Some scaling showing, not a concern at this time. |
| Diaphragms | Fair | |
| Bracing | Fair | |
| Under Trussing | Fair | |
| Hardware | Fair | |
| Welded/grouted shear connectors | N/A | |

## Log

| | |
|---|---|
| Log Curbs | N/A |
| Needle Beam | N/A |
| Needle Lashing/ Shimming | |

| Needle Beam to Crib (m) | | | Needle Diameter (mm) | | | |
|---|---|---|---|---|---|---|
| Stringer Number | Species | Peeled | Diameter (mm) | Rot Depth (mm) | Condition | Comment |

## Hazards

| | | | |
|---|---|---|---|
| Estimated Present Water Level Depth (m) | 0.3 | High Water ☐ | Debris ☐ |
| Estimated Present Water Level Width (m) | 2.5 | Aggradation ☐ | Scour ☐ |
| Estimated High Water Level Clearance (m) | 3.0 | Ice ☐ | |

Comments

## Repairs and Monitoring

| Repair Item | Priority | Repair Description |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |

| Item | Monitor Description | Frequency |
|---|---|---|
| 1 | Monitor weathering of steel components | Routine Inspection |
| 2 | | |
| 3 | | |

Sketch
(Select Signature)