

SC-8337

SECHELT CREEK 0.2km

2019 Inspection

CBR iPad Offline Ver 0.31



## CBR Data

|                               |                            |
|-------------------------------|----------------------------|
| Latitude                      | Longitude                  |
| 49°40'44.29"                  | -123°33'4.8"               |
| Crossing Name                 | Sechelt Creek              |
| FSR #                         | 10228                      |
| Branch #                      | 2                          |
| Road Name                     | SECHELT CREEK              |
| User km                       | 0.2                        |
| Previous Load Rating (tonnes) | 136                        |
| Structure Class               | Permanent Bridge           |
| Portable                      | N                          |
| Superstructure                | Compo Girders              |
| Deck Type                     | Concrete Composite         |
| Abutment Left                 | Steel Pipe and Precast Pad |
| Abutment Right                | Steel Pipe and Precast Pad |
| Spans                         | 1                          |
| Total Length (m)              | 30.5                       |
| Deck Width (m)                | 4.88                       |

## Updated Data

|              |           |
|--------------|-----------|
| Latitude     | Longitude |
| °0'0"        | °0'0"     |
| HD Diff. (m) | 5530237.9 |
| Accuracy (m) |           |

## Inspection

Date of Inspection 2019-10-15 11:28:31 AM

Inspector Name Richard Mills

Recommended Next Inspection Year

Inspection Company FLNRORD

Inspector Comments Serial/ID Plate

Power cable running behind right ballast wall

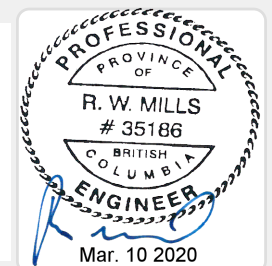
## P.Eng Comments

Load Rated by: Forrest Simpson, EIT, Mar 6, 2020

Load Rating: L150 or 136 tonnes

Next Inspection: 2022

Comments: Replace guardrails and add approach barriers. Repair damage to deck and ballast wall at both approaches. Note power cable located behind right ballast wall.



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 4

Posted Load Rating

Road Surface Good

## Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Pier N/A

Concrete Good

Caps or Sills Good

Piles or Posts Good

Ballast Wall Good

Wing Wall N/A

Bracing Good

Hardware Good

Fill Good

Riprap Fair Minor scour on right side

Bearings Good

Corrosion Protection Good

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**Deck**

Running Surface Fair

Running Planks N/A

Sub Deck N/A

Ties N/A

Nails N/A

Deck to Girder Bolts N/A

Concrete Deck Fair

Grout Pockets Good

Deck Joints Fair Grout not flush with deck surface

Steel Deck Plate N/A

Gravel Surface N/A

Curb Rail/Blocks/Posts Poor Rotten, replace

Hand Rails/Walkouts N/A

Hardware Good

Overall Deck Condition Fair

Gravel Depth (mm)

Pier Deck

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**Steel/Concrete**

Girders Fair Minor rust, paint flaking.

Diaphragms Good

Bracing N/A

Under Trussing N/A

Hardware Good Flange appears ok

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)  | 2.0 | High Water  | <input type="checkbox"/> | Debris | <input type="checkbox"/> |
| Estimated Present Water Level Width (m)  | 6.0 | Aggradation | <input type="checkbox"/> | Scour  | <input type="checkbox"/> |
| Estimated High Water Level Clearance (m) | 8.0 | Ice         | <input type="checkbox"/> |        |                          |

Comments

### Repairs and Monitoring

Repair

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

- |   |        |                                                         |
|---|--------|---------------------------------------------------------|
| 1 | High   | Replace guardrails                                      |
| 2 | Medium | Repair concrete ballast wall and deck, both approaches. |
| 3 | High   | Add approach barriers                                   |

| Item | Monitor Description        | Frequency          |
|------|----------------------------|--------------------|
| 1    | Monitor riprap right side. | Routine Inspection |

2

3

Sketch  
(Select Signature)

Right Bank Abutment when facing downstream - damaged ballast wall



Guard Rail



Upstream Profile



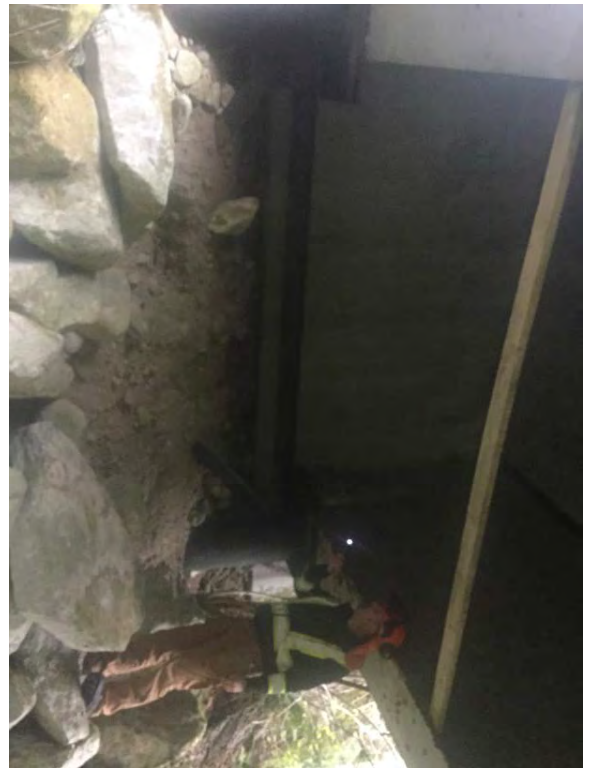
Right Bank Abutment when facing downstream - damaged ballast wall



Superstructure



Left Bank Abutment when facing downstream



Power cable running on upstream side.



Superstructure



Hairline cracking in concrete web, downstream left



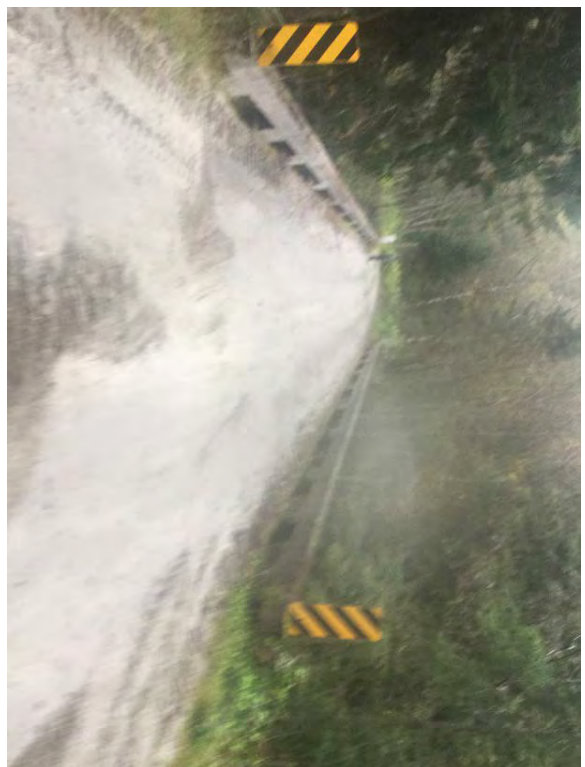
Power cable running on upstream side.



Hairline cracking in concrete web, downstream left



Approach from Left Bank when facing downstream



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Right Bank Abutment when facing downstream

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