

CK-2020  
CK-2020

## CHEHALIS 6km

2020 Inspection

CBR iPad Offline Ver 0.33



### CBR Data

|                               |                               |
|-------------------------------|-------------------------------|
| Latitude                      | Longitude                     |
| 49°17'43.19"                  | -121°58'.06"                  |
| Crossing Name                 | Pretty Creek                  |
| FSR #                         | 8241                          |
| Branch #                      | 1                             |
| Road Name                     | CHEHALIS                      |
| User km                       | 6                             |
| Previous Load Rating (tonnes) | 150                           |
| Structure Class               | Temporary Bridge              |
| Portable                      | N                             |
| Superstructure                | Steel I-beam                  |
| Deck Type                     | Concrete Composite            |
| Abutment Left                 | Crib, Log or Untreated Timber |
| Abutment Right                | Crib, Log or Untreated Timber |
| Spans                         | 1                             |
| Total Length (m)              | 18.9                          |
| Deck Width (m)                | 4.9                           |

### Updated Data

|                    |                |
|--------------------|----------------|
| Latitude           | Longitude      |
| 49°17'43.17"       | -121°57'59.12" |
| HD Diff. (m)       | 19.0           |
| Accuracy (m)       | 10             |
| L165 or 150 tonnes |                |

### Inspection

Date of Inspection 2020-05-21 2:22:06 PM

Inspector Name Tyson Miller

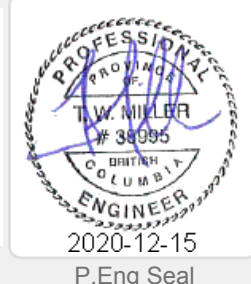
Recommended Next Inspection Year 2021

Inspection Company FLNRORD

Inspector Comments

P.Eng Comments

Replace the guardrail, risers and blocks. Grade and brush approaches. Monitor the condition of the abutments and plan for a complete replacement soon. The current load rating of L165 or 150 tonnes to continue.



2020-12-15

P.Eng Seal

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## Approach

Alignment Good

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 Missing upstream left approach

Posted Load Rating 149700

Road Surface Poor Requires grading

## Abutment

Log/Timber Cribs Fair Right bank - 2 face logs with up to 40mm sap rot

Tie Backs Fair Right bank - 2 tiebacks both directly under bearing locations with up to 40mm sap rot

Bin Wall

Pier

Concrete

Caps or Sills Fair Left bank - 30mm wide horizontal crack in log sill, full length. Timber shims crushing - appears similar to last year inspection.

Piles or Posts

Ballast Wall Fair Rotten logs but functional

Wing Wall

Bracing

Hardware

Fill Fair

Riprap Poor None in front of right abutment

Bearings Fair Fair to poor - girders settling at left bank

Corrosion Protection

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## Deck

Running Surface      Fair

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck      Fair

Grout Pockets      Fair

Deck Joints      Fair

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts      Poor      Rotten

Hand Rails/Walkouts

Hardware      Poor      Loose rail bolts

Overall Deck Condition      Poor      Due to rail condition

Gravel Depth (mm)

Pier Deck

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## Steel/Concrete

Girders Fair Painted box girders with minor corrosion

Diaphragms Fair 2 bolted bays at bearing locations

Bracing

Under Trussing

Hardware

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)  | 0.3 | High Water  | <input checked="" type="checkbox"/> | Debris | <input type="checkbox"/> |
| Estimated Present Water Level Width (m)  | 4.0 | Aggradation | <input type="checkbox"/>            | Scour  | <input type="checkbox"/> |
| Estimated High Water Level Clearance (m) | 0   | Ice         | <input type="checkbox"/>            |        |                          |

Comments

## Repairs and Monitoring

| Repair Item                                                | Repair Description              |
|------------------------------------------------------------|---------------------------------|
| 1 Structure. Full Curb Replacement. . Priority:High        | Replace rail, risers and blocks |
| 2 Approach. Approach surfacing grading. m. Priority:Medium | Grade approaches                |
| 3 Approach. Area/sight line brushing. m². Priority:Low     | Brush approaches                |
| 4                                                          |                                 |
| 5                                                          |                                 |
| 6                                                          |                                 |
| 7                                                          |                                 |

| Item | Monitor Description | Frequency |
|------|---------------------|-----------|
| 1    | Abutment condition  | Anually   |
| 2    |                     |           |
| 3    |                     |           |



Approach from Right Bank when facing downstream



Load Rating Sign



Guard Rail



Deck



Upstream from Crossing



Downstream from Crossing



Approach from Left Bank when facing downstream



Right Bank Abutment when facing downstream



Damage noted to panel 1 and 2 at right approach



Left Bank Abutment when facing downstream



Downstream left bank timber condition



Horizontal crack in left bank sill



Superstructure



Box girder



Upstream Profile