



# BC Ministry of Forests and Range

## Log Stringer Bridge Inspection Report

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Date Printed: 2013/11/20

User Id: IDIR\TYSMILLE

Database: PROD

Report Id: CBR001B

|                        |                                                     |              |         |                          |                               |                       |            |
|------------------------|-----------------------------------------------------|--------------|---------|--------------------------|-------------------------------|-----------------------|------------|
| Structure #:           | CK-2016                                             | Site #:      | CK-2016 | Road Name:               | CANTELON CREEK                | Inspection Date:      | 2013/10/31 |
| KM:                    | 9.10                                                | User km:     | 9.10    | Crossing Name:           | Not known                     | Next Inspection Date: | 2014/10/31 |
| Project File ID #:     | 8124                                                | Br.          | 01      | Forest District:         | Chilliwack Forest District    |                       |            |
| Deck Type:             | Timber - Untreated                                  |              |         | Running Surface:         | Timber Planks                 |                       |            |
| Superstructure         | Steel I-beam                                        |              |         | Abutments (Left/Right):  | Crib, Log or Untreated Timber |                       |            |
| Total Length (metres): | 9.1                                                 | # Spans:     | 1       | Span Length(s) (metres): | 0                             |                       |            |
| UTM Zone:              | 10                                                  | UTM Easting: | 610720  | UTM Northing:            | 5452447                       |                       |            |
| Inspector Name:        | T. Miller                                           |              |         | Year Built:              | 1991                          |                       |            |
| Access:                | Updated by M.Kirk, Onsite Engineering Ltd, Jan 2011 |              |         |                          |                               |                       |            |

### ABUTMENTS

|                      |                |                              |
|----------------------|----------------|------------------------------|
| Bearings             | Poor           | rotten sills and settling    |
| Bracing              | Not Applicable |                              |
| Ballast Wall         | Poor           | rotten                       |
| Corrosion Protection | Not Applicable |                              |
| Caps or Sills        | Poor           | rotten timbers               |
| Fill                 | Poor           | large hole at woods approach |
| Hardware             | Not Applicable |                              |
| Log/Timber Cribs     | Poor           | rotting and undermined       |
| Piles or Posts       | Not Applicable |                              |
| Riprap               | Poor           | none in front of cribs       |
| Tie-backs            | Poor           | rotting                      |
| Wing Wall            | Not Applicable |                              |

### APPROACHES

|                            |      |                     |
|----------------------------|------|---------------------|
| Alignment                  | Fair |                     |
| Bridge Ahead Signs Missing | 2    |                     |
| Brushing Required          | Yes  |                     |
| Delineator Missing Left    | 1    |                     |
| Delineator Missing Right   | 1    |                     |
| Fender Condition           | Poor | old rotten logs     |
| Posted Load Rating         | not  | not posted          |
| Road Surface               | Poor | large hole in front |

### DECK

#### Span 1

|                        |      |        |
|------------------------|------|--------|
| Curb Rail/Blocks/Posts | Poor | rotten |
|------------------------|------|--------|



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|---------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|------------|-------------------------------------|------------------|------------|-----|--------------|----|
| Structure #:                    | CK-2016                                                 | Site #:                                                                  | CK-2016                                            | Road Name: | CANTELON CREEK                      | Inspection Date: | 2013/10/31 |     |              |    |
| Deck to Girder Bolts            | Poor                                                    | loose                                                                    |                                                    |            |                                     |                  |            |     |              |    |
| Hardware                        | Poor                                                    | loose                                                                    |                                                    |            |                                     |                  |            |     |              |    |
| Hand Rails/Walkouts             | Not Applicable                                          |                                                                          |                                                    |            |                                     |                  |            |     |              |    |
| Nails                           | Poor                                                    | protruding                                                               |                                                    |            |                                     |                  |            |     |              |    |
| Overall Deck Condition          | Poor                                                    | rotten, replace                                                          |                                                    |            |                                     |                  |            |     |              |    |
| Running Planks                  | Not Applicable                                          |                                                                          |                                                    |            |                                     |                  |            |     |              |    |
| Sub Deck                        | Poor                                                    | rotten                                                                   |                                                    |            |                                     |                  |            |     |              |    |
| Ties                            | Poor                                                    | rotten                                                                   |                                                    |            |                                     |                  |            |     |              |    |
| <b>SUPERSTRUCTURE</b>           |                                                         |                                                                          |                                                    |            |                                     |                  |            |     |              |    |
| <b>Span 1</b>                   |                                                         |                                                                          |                                                    |            |                                     |                  |            |     |              |    |
| Bracing                         | Poor                                                    | due to damaged girders                                                   |                                                    |            |                                     |                  |            |     |              |    |
| Diaphragms                      | Poor                                                    | due to damaged girders                                                   |                                                    |            |                                     |                  |            |     |              |    |
| Girders                         | Poor                                                    | 4 steel I beams, damaged                                                 |                                                    |            |                                     |                  |            |     |              |    |
| Hardware                        | Not Applicable                                          |                                                                          |                                                    |            |                                     |                  |            |     |              |    |
| Under Trussing                  | Not Applicable                                          |                                                                          |                                                    |            |                                     |                  |            |     |              |    |
| <b>CHANNEL</b>                  | Estimated Present Water Level Depth:                    | 0.5                                                                      | Estimated Present Water Level Width:               | 8.0        |                                     |                  |            |     |              |    |
|                                 | Estimated High Water Level Clearance:                   | 0.0                                                                      |                                                    |            |                                     |                  |            |     |              |    |
| <b>HAZARDS</b>                  | High Water:                                             | Yes                                                                      | Scour:                                             | Yes        | Ice:                                | No               | Debris:    | Yes | Aggradation: | No |
|                                 | Comment:                                                |                                                                          |                                                    |            |                                     |                  |            |     |              |    |
| <b>REPAIRS</b>                  | #                                                       | Status                                                                   | Priority                                           | Estimate   | Description                         |                  |            |     |              |    |
|                                 | 1                                                       | Recommended                                                              | High                                               | \$1.00     | remove and replace entire structure |                  |            |     |              |    |
| <b>MONITORS</b>                 | #                                                       | Description                                                              |                                                    |            |                                     |                  |            |     |              |    |
|                                 | 1                                                       | inspect annually due to undermining cribs and potential impact to stream |                                                    |            |                                     |                  |            |     |              |    |
| <b>GENERAL</b>                  | Professional Inspection Required?                       | No                                                                       | Regional Review Date:                              | 2013/11/20 | P. Eng Reviewer Name:               | Tyson Miller     |            |     |              |    |
|                                 | Replacement Date for full log haul traffic (year):      | 2005                                                                     | Replacement Date for light vehicle traffic (year): | 2005       |                                     |                  |            |     |              |    |
|                                 | Current Load Rating GVW (tonnes):                       | 0                                                                        | Design Load GVW (tonnes):                          | 54         | Design Vehicle Config.:             | L60              |            |     |              |    |
|                                 | Inspector's Estimated Full Log Haul Replacement (year): |                                                                          |                                                    |            |                                     |                  |            |     |              |    |
|                                 | Inspector's Comment:                                    |                                                                          |                                                    |            |                                     |                  |            |     |              |    |
|                                 |                                                         |                                                                          |                                                    |            |                                     |                  |            |     |              |    |
| Corporate Bridge Register (CBR) |                                                         |                                                                          |                                                    |            |                                     |                  |            |     |              |    |



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|--------------------------------|--------------------------------------------------------------------------------------------------|---------|---------|------------|----------------|------------------|------------|
| Structure #:                   | CK-2016                                                                                          | Site #: | CK-2016 | Road Name: | CANTELON CREEK | Inspection Date: | 2013/10/31 |
| PEng<br>Reviewer's<br>Comment: | Bridge condemned. Remove and replace.                                                            |         |         |            |                |                  |            |
| District Staff<br>Comment:     | <br>Nov 20/2013 |         |         |            |                |                  |            |







