| CK-2167 | LOST CREEK 8km | 2016 Inspection |
|---|---|---|

CBR iPad Offline Ver 0.23

## CBR Data

| Latitude | Longitude |
|---|---|
| 49°20'26.4" | -122°14'32.6" |

| | |
|---|---|
| Crossing Name | Lost Creek |
| FSR # | 8466 |
| Branch # | 1 |
| Road Name | LOST CREEK |
| User km | 8 |
| Current Load Rating (tonnes) | 68 |
| Structure Class | Temporary Bridge |
| Portable | Y |
| Superstructure | Steel Box Beam |
| Deck Type | Steel |
| Abutment Left | Concrete Lock Blocks |
| Abutment Right | Concrete Lock Blocks |
| Spans | 1 |
| Total Length (m) | 24.4 |
| Deck Width (m) | 4.95 |

## Updated Data

| Latitude | Longitude |
|---|---|
| 49°20'25.48" | -122°14'32.09" |

| | | | |
|---|---|---|---|
| HD Diff. (m) | 30.4 | Accuracy (m) | 5 |

## Inspection

| | | | |
|---|---|---|---|
| Date of Inspection | 2016-08-11 2:44:21 PM | | |
| Inspector Name | Tyson Miller | Inspection Company | MFLNRO |

Inspector Comments

P.Eng Comments

Repair scour under left upstream lock blocks ASAP and place riprap in front to protect. The riprap on the right upstream abutment is also starting to scour, repair that at same time. The present load rating of L75 or 68 tonnes can continue for now. Inspect again prior to heavy rains.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
T. W. MILLER
# 35995

P.Eng Seal

Sept 13/2016

## Approach

| | | |
|---|---|---|
| Alignment | Good | |
| 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 | | not posted |
| Road Surface | Fair | |

## Abutment

| | | |
|---|---|---|
| Log/Timber Cribs | N/A | |
| Tie Backs | Good | geotextile between each row of blocks |
| Bin Wall | N/A | |
| Concrete | Fair | scour under upstream left bank |
| Caps or Sills | Good | treated timbers |
| Piles or Posts | N/A | |
| Ballast Wall | Good | |
| Wing Wall | Fair | scour noted under upstream left bank |
| Bracing | N/A | |
| Hardware | N/A | |
| Fill | Fair | |
| Riprap | Fair | upstream corners starting to scour |
| Bearings | Good | |
| Corrosion Protection | N/A | |

## Deck

| | |
|---|---|
| Running Surface | Good |
| Running Planks | N/A |
| Sub Deck | N/A |
| Ties | N/A |
| Nails | N/A |
| Deck to Girder Bolts | N/A |
| Concrete Deck | N/A |
| Grout Pockets | N/A |
| Deck Joints | N/A |
| Steel Deck Plate | Fair |
| Gravel Surface | N/A |
| Curb Rail/Blocks/Posts | Good |
| Hand Rails/Walkouts | N/A |
| Hardware | N/A |
| Overall Deck Condition | Fair |
| Gravel Depth (mm) | |

## Steel/Concrete

Serial/ID Plate

| | | |
|---|---|---|
| Girders | Good | ASP |
| Diaphragms | Unrated | inside box beam |
| Bracing | Unrated | inside box beam |
| Under Trussing | N/A | |
| Hardware | N/A | |
| 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) | 1.0 | High Water ☐ | Debris ☐ |
| Estimated Present Water Level Width (m) | 12.0 | Aggradation ☐ | Scour ☒ |
| Estimated High Water Level Clearance (m) | 4.0 | Ice ☐ | |

Comments

## Repairs and Monitoring

| Repair Item | Priority | Repair Description |
|---|---|---|
| 1 | High | repair scour under left bank blocks ASAP |
| 2 | High | repair scoured riprap at both upstream abutments |
| 3 | | |

| Item | Monitor Description | Frequency |
|---|---|---|
| 1 | scour | Anually |
| 2 | | |
| 3 | | |

Sketch
(Select Signature)

# CK-2167 LOST CREEK 8km 2016 Inspection

Approach from Right Bank when facing downstream

looking upstream from deck

Deck

looking downstream from deck

# CK-2167 LOST CREEK 8km 2016 Inspection

Approach from Left Bank when facing downstream

upstream left bank lock block (abutment scour)

Right Bank Abutment when facing downstream

Upstream Profile

upstream left bank riprap scour - lock block scour

Left Bank Abutment when facing downstream

upstream right bank riprap scour

Structure ID