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ACTIVE

BC Ministry of Forests and Range

Corporate Bridge Register (CBR)

Structure Inventory Data Form "BRIDGES"

GENERAL	
*Structure #	*Site #: CK - 2161
*Type/Class: ☑ Permanent Bridge ☐ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: HUNTER EAST	Kilometres: 5.8
*Project File ID#: 6086	*Br. 01
Built For: ☑ BC Timber Sales ☐ Other Commercial Users ☐ Road Use Permit Holder ☐ Operations Division ☐ Road Permit Holder	
*Source: ☐ Inherited: Found Structure ☐ Inherited: Non-Status Road ☐ Inherited: Reallocation ☐ New Structure ☐ Replacement Structure ☐ Inherited: From Oil & Gas/ Other Ministry ☐ Inherited: Transfers from Other Ministries	
Year Built:	Year Added to Inventory:
Current Load Rating GVW (tonnes): (PEng to enter / update this value on structure details screen in CBR)	Design Load Rating GVW (tonnes): (Typically obtained from design drawings)
Design Vehicle Configuration: ☐ BCL625 ☐ CL625 ☐ L100 ☐ L120 ☐ L150 ☑ L165 ☐ L45 ☐ L60 ☐ L75 ☐ L90 ☐ Other	
*Primary User Client Number:	*Client Location Code:
Primary User Name:	
As Built Information on File? ☐ Yes ☐ No	
Installation Cost ($):	Material Cost ($):
REPLACEMENT DETAILS	
Original Replacement (year):	Estimated Closure (year):
Light Vehicle Traffic Replacement (year):	*Full Log Haul Traffic Replacement (year): (PEng to review and evaluate inspector's estimate, and to enter /update this value on structure details screen in CBR).
Estimated Replacement Cost ($):	
Replacement Cost Comments:	

* Denotes Mandatory Information for Corporate Bridge Register

CK-2161

BC Ministry of Forests and Range

Corporate Bridge Register (CBR)

Structure Inventory Data Form "BRIDGES"

STRUCTURAL DETAILS

Number of Spans:

Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20]

Number of Piers:

Pier Type:
- ☐ Concrete
- ☐ Crib - Timber
- ☐ Piles - Concrete
- ☐ Piles - Steel
- ☐ Piles – Timber Treated
- ☐ Piles – Timber Untreated
- ☐ Steel Column on Concrete Pad

Needle Beams?
- ☐ Yes
- ☑ No

Portable Structure?
- ☑ Yes
- ☐ No

Portable Superstructure Status:
- ☑ Installed
- ☐ Storage

Portable Superstructure Storage Location:

***Bridge Length (metres):**

***Superstructure:**
- ☐ Compo Girders
- ☐ Concrete Box Beam
- ☐ Rail Car
- ☐ Concrete Cast in Place
- ☐ Concrete I/T Beam
- ☐ Other
- ☐ Concrete Slab Girders
- ☐ Glulam Girder
- ☐ Log Stringer
- ☑ Steel Box Beam
- ☐ Steel I-Beam
- ☐ Steel Truss/Bailey/Acrow
- ☐ Timber-Treated Stringers
- ☐ Timber-Untreated Stringers

***Deck Type:**
- ☐ Concrete
- ☐ Concrete Composite
- ☐ Gravel
- ☐ Concrete Removable
- ☐ Concrete - Steel Free
- ☑ Steel
- ☐ Timber-Treated
- ☐ Timber-Untreated
- ☐ Other
- ☐ Timber-Treated Panels
- ☐ Timber-Untreated Panels

***Deck Width (metres):**

***Running Surface:**
- ☑ Anti-Skid
- ☐ Asphalt
- ☐ Concrete
- ☐ Gravel
- ☐ Not Available
- ☐ Timber Planks

***Left Abutment:**
- ☐ Binwall
- ☐ Concrete Cast in Place
- ☐ Concrete Lock Blocks
- ☐ Concrete Precast
- ☑ Crib, Log or Untreated Timber
- ☐ Other
- ☐ Pile-Temporary Materials
- ☐ Pile-Permanent Materials
- ☐ Sill-Permanent Materials
- ☐ Sill-Temporary Materials
- ☐ Steel Pipe & Precast Pad

***Right Abutment:**
- ☐ Binwall
- ☐ Concrete Cast in Place
- ☐ Concrete Lock Blocks
- ☐ Concrete Precast
- ☑ Crib, Log or Untreated Timber
- ☐ Other
- ☐ Pile-Temporary Materials
- ☐ Pile-Permanent Materials
- ☐ Sill-Permanent Materials
- ☐ Sill-Temporary Materials
- ☐ Steel Pipe & Precast Pad

Comments:

BC Ministry of Forests and Range

Routine Condition Bridge Inspection Form
(except for log stringer or timber stringer bridges)

GENERAL INFORMATION

(enter either long/lat or UTM below – not both)

*Site #: CK-2161	*Crossing Name:	*Type/Class: ☐ Temporary bridge ☑ Permanent bridge	*Project File ID# 6086
*Structure #:			*Br. 01
*FSR Name: HUNTER EAST	*Forest District: Chilliwack	*Kilometres: 1.3	User km: 5.8

Longitude: (ddd / mm / ss.s) 49 19 34.3	OR	UTM Zone	UTM Easting	UTM Northing
Latitude: (ddd / mm / ss.s) 121 31 48.				

LEFT/RIGHT APPROACHES (as seen facing downstream)

E = excellent; G = good; F = fair; P = poor; N/A = not appl.; UR = Unrated

Item	Present Condition (circle or fill-in)	Comments (a comment is mandatory if condition "Poor" is selected)
Alignment	E G F (P) UR	TIGHT HORIZONTAL ANGLE ON RIGHT APPROACH. POOR VISIBILITY
Bridge Ahead Signs Missing	0 1 (2)	
Brushing Required	Yes (No)	
Delineator Missing Left	0 (1) 2	ON THE RIGHT ABUT.
Delineator Missing Right	0 (1) 2	
Fender Condition	E (G) F P None UR	NO POST BARRIERS
Posted Load Rating	___ (tonnes) or None	NOT POSTED
Road Surface	E G (F) P UR	

LEFT/RIGHT ABUTMENTS (as seen facing downstream)

Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Log/Timber Cribs	E G F P (N/A) UR	
Tie-backs	E G F P (N/A) UR	
Bin Wall	E G F P (N/A) UR	
Concrete (cast in place; lock blocks, precast)	E G F P (N/A) UR	TIMBER ON RIGHT ABUT.
Caps or Sills	E G F (P) N/A UR	TREATED SILL THE BEARING PLATE ON RIGHT ABUT DOESN'T BEAR ENTIRELY ON SILL.
Piles or Posts	E G F P N/A UR	
Ballast Wall	E (G) F P N/A UR	LOGS
Wing Wall	E G F P (N/A) UR	
Bracing	E G F P (N/A) UR	
Hardware	E G F P (N/A) UR	
Fill	E G (F) P N/A UR	
Riprap	E G F (P) N/A UR	RIP RAP STACKED ALMOST VERTICAL. THE TOE ON LEFT ABUT STARTING TO SCOURING.
Bearings	E G F (P) N/A UR	BEARING PLATE DOESN'T BEAR ENTIRELY ON SILL.
Corrosion Protection	E G F P N/A UR	

- LEFT SILL IS ROTTEN & SHOWS SIGNS OF COMPRESSION FAILURE.

Span 1 of 1 (spans are numbered consecutively starting from the left abutment)

Use "Additional Spans" Sheet for Multiple Spans

DECK

Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Running Surface (N/A if running surface is gravel or timber planks)	E G (F) P N/A UR	
Running Planks	E G F P (N/A) UR	
Sub-deck	E G F P (N/A) UR	
Ties	E G F P (N/A) UR	
Nails	E G F P (N/A) UR	
Deck to Girder Bolts	E G F P (N/A) UR	
Concrete Deck	E G F P (N/A) UR	
Grout Pockets	E G F P (N/A) UR	
Deck Joints	E G F P (N/A) UR	
Steel Deck Plate	E G (F) P N/A UR	FINE SEDIMENTS ON DECK.
Gravel Surface	E G F P (N/A) UR	
Gravel Deck Depth	___ metres or N/A	
Curb Rail/Blocks/Posts	E (G) F P UR	STEEL
Handrails/ Walkouts	E G F P (N/A) UR	
Hardware	E (G) F P N/A UR	
Overall Deck Condition	E (G) F P UR	

BC Ministry of Forests and Range

Routine Condition Bridge Inspection Form
(except for log stringer or timber stringer bridges)

GENERAL INFORMATION

*Site #: CK-216 | *Structure #:

SUPERSTRUCTURE

Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Girders	E (G) F P UR	PORTABLE STEEL
Diaphragms	E G F P N/A UR	
Bracing	E G F P N/A UR	CAN'T SEE.
Under-trussing	E G F P N/A UR	
Hardware	E G F P N/A UR	
Welded / Grouted Shear Connectors	E G F P N/A UR	

Stream CHANNEL

*Est. Present Water Level Depth ____ (m) | *Est. Present Water Level Depth ____ (m) | *Est. Present Water Level Depth ____ (m)

HAZARDS (circle yes or no for each item))

High Water? Yes (No) | Scour? (Yes) No | Ice? Yes (No) | Debris? Yes (No) | Aggradation? Yes (No)

Comments TOE OF RIP RAP ON LEFT ABUT.

REPAIRS: ☐ Recommended ☐ Not required (H = High, M= Medium, L = Low)

Repair Item #	*Priority (circle)	*Estimate ($)	*Repair Description
1	H M (L)		REPLACE LEFT ABUT TIMBER SILL.
2	(H) M L		DELINEATORS + NARROW STRUCTURE SIGNS.
3	H M L		

*Monitoring Status: ☐ Recommended ☐ Not required

Monitor Item #	*Monitor Description
1	RIP RAP AT VERY STEEP ANGLE. FOOTINGS CAN EASILY BE EXPOSED WITHOUT Adequate RipRap
2	

PHOTO LOG

Photo #	Description	Photo #	Description
	Left to Right		BEARING PLATE X 2
	from Downstream		RIGHT ABUT
	Right to left		VERT ABUT SLOPE
	LEFT ABUT		LEFT SILL. X 2

INSPECTOR TO COMPLETE THIS SECTION

As-built Drawings Checked? Yes (No)

P Eng Inspection Required? Yes (No)

Inspector's Estimate of Full Log Haul Traffic Replacement Date (year):
(PEng to review and evaluate inspector's estimate, and to update "Full Log Haul Traffic Replacement (year)" on structure details screen in CBR)

*Date of Inspection (yyyy/mm/dd)	*Inspection Company Name	*Inspector's Name (print)	Inspector's Signature
2016-08-17	Onsite Engineering Ltd	Ali Sadeghi	

Inspector's Comments

PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION

Current Load Rating GVW (tonnes): 62
(PEng to update structure details screen in CBR as necessary)

Date of Next Planned Inspection (yyyy/mm/dd): 2011/09/01

Reviewer Company Name	Reviewed by - PEng's Name (print)	Reviewed by - PEng's Sig	Date Reviewed (yyyy/mm/dd)
Onsite Engineering LTD	G. Dohm		2010/10/29

PEng Reviewer's Comments: Portable bridge TCH0501. L165 superstructure. Bearing support is only partial at one end and is poor. Sill plate is rotting at other end. Riprap needs work. Bridge needs to be reinstalled asap. Continued current rating is provided for short term only to enable continued industrial traffic until re-installation is completed.

MNRO

* Denotes Mandatory Information for Corporate Bridge Register

CK2161 Left to right

CK2161 Right to left

CK2161 From downstream

CK2161 Structure ID

CK2161 Poor bearing

CK2161 Poor bearing2

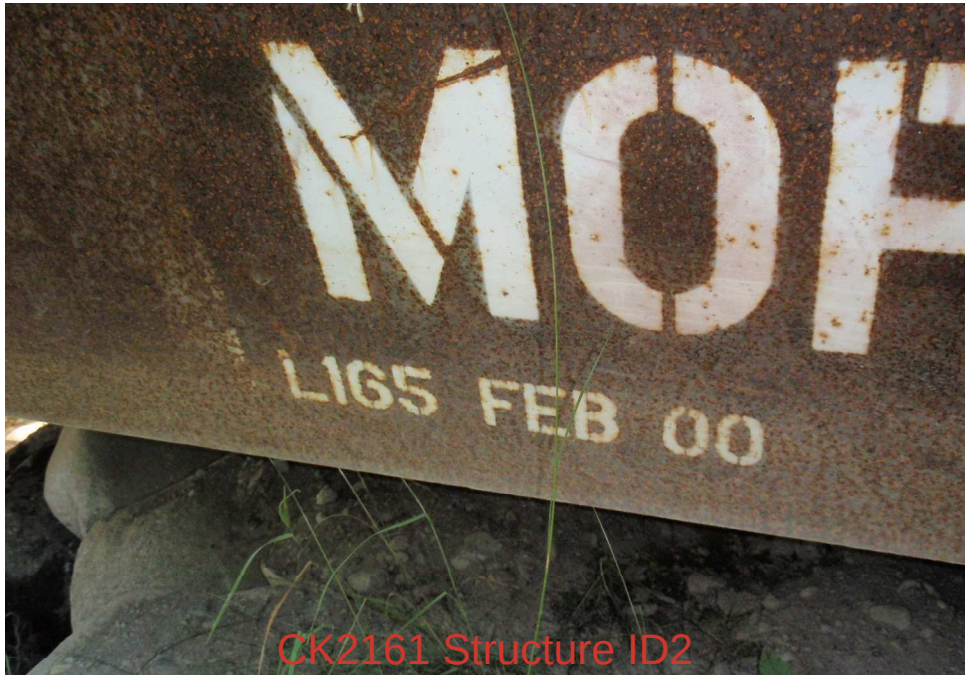
CK2161 Left abutment

CK2161 Left abutment scour

CK2161 Left abutment scour 2

CK2161 Right abutment

CK2161 From upstream



CK2161 Structure ID2

CK2161 Rotten sill left abutment

CK2161 Rotten sill left abutment2