(H)

ACTIVE

#11
Sep 10

BC Ministry of Forests and Range

Corporate Bridge Register (CBR)

Structure Inventory Data Form "BRIDGES"

GENERAL	
*Structure # CK- 2278	*Site #:
*Type/Class: ☑ Permanent Bridge ☐ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: STAVE RIVER	Kilometres: 8.8
*Project File ID#: 8013	*Br. 01

Built For:
☐ BC Timber Sales ☐ Operations Division
☐ Other Commercial Users ☐ Road Permit Holder
☐ Road Use 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

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Structure Inventory Data Form "BRIDGES"

STRUCTURAL DETAILS

Number of Spans: 1

Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20] 29.6

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):** (30.4 (100')

***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):** 4.9

***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 #: 2278 *Structure #:	*Crossing Name:	*Type/Class: ☐ Temporary bridge ☑ Permanent bridge	*Project File ID#: *Br.
*FSR Name: STAVE RIVER	*Forest District: Chilliwack	*Kilometres: 8.0	User km:

Longitude: (ddd / mm / ss.s) 121 28 38.6 Latitude: (ddd / mm / ss.s) 49 14 20.1	OR	UTM Zone	UTM Easting / UTM Northing

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	
Bridge Ahead Signs Missing	0 1 (2)	
Brushing Required	Yes (No)	
Delineator Missing Left	(0) 1 2	
Delineator Missing Right	(0) 1 2	
Fender Condition	E G (F) (P) None UR	DOWN STREAM, RIGHT ABUT NO POST BARRIER NO LONGER IN PLACE DUE TO FILL SLOPE FAILURE
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	
Caps or Sills	E G F P (N/A) UR	
Piles or Posts	E G (F) (P) N/A UR	PIPE RISERS, DOWNSTREAM RIGHT ABUT PIPE, EXPOSED AS RIP RAP IS ERODED DUE TO STREAM SCOUR.
Ballast Wall	E G (F) P N/A UR	PRE CAST CONCRETE
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 ON RIGHT ABUT ERODING.
Bearings	E G (F) P N/A UR	RUBBER PADS
Corrosion Protection	E G (F) P N/A UR	

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	10 x CONRETE PANNELS
Grout Pockets	E G F P (N/A) UR	
Deck Joints	E G (F) (P) N/A UR	JOINT SEALAND FALLING APART.
Steel Deck Plate	E G F P (N/A) UR	
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	
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

*Bridge #:	*Structure #:
CK-2278	

SUPERSTRUCTURE

Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Girders	E G (F) P UR	2 x STEEL I-BEAM L-75
Diaphragms	E G F P (N/A) UR	
Bracing	E G (F) P N/A UR	
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	*Est. Present Water Level Depth	*Est. Present Water Level Depth
1.2 (m)	RIGHT 2.0 (m)	LEFT 2.0 (m)

HAZARDS (circle yes or no for each item)

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

Comments

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

Repair Item #	*Priority (circle)	*Estimate ($)	*Repair Description
1	(H) M L		REINSTALL DOWNSTREAM FENDER
2	(H) M L		BACK FILL DOWNSTREAM FILL SLOPE
3	H M L		

*Monitoring Status: ☐ Recommended ☐ Not required

Monitor Item #	*Monitor Description
1	RIGHT ABUT RIP RAP
2	

PHOTO LOG

Photo #	Description	Photo #	Description
	LEFT TO RIGHT		FROM DOWNSTREAM
	RIGHT TO LEFT		RIGHT ABUT
	DOWNSTREAM EROSION		LEFT ABUT
	FROM UPSTREAM		UNDERNEATH

INSPECTOR TO COMPLETE THIS SECTION

As-built Drawings Checked?	P Eng Inspection Required?	Inspector's Estimate of Full Log Haul Traffic Replacement Date (year):
Yes (No)	Yes (No)	(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
2010-09-10	Onsite Engineering Ltd.	Ali Sadeghi	

Inspector's Comments: RIPRAP ON RIGHT ABUT & FILL SLOPE IS ERODING.

PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION

Current Load Rating GVW (tonnes): (PEng to update structure details screen in CBR as necessary)	Date of Next Planned Inspection (yyyy/mm/dd)
68	2011/09/01

Reviewer Company Name	Reviewed by - PEng's Name (print)	Reviewed by - PEng's Sign	Date Reviewed (yyyy/mm/dd)
MNRO	G. Dohm	Greg Dohm	2010/12/07

PEng Reviewer's Comments: Repair fill slope failure asap. Also attend to adding riprap to exposed post on pads.

*Denotes Mandatory Information for Corporate Bridge Register

CK2278 Right to left

CK2278 Left to right

CK2278 scour...

CK2278 From upstream

CK2278 Structure ID

CK2278 From downstream

CK2278 Right abutment

CK2278 Left abutment

CK2278 Underneath