



BC Ministry of
Forests and Range

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Corporate Bridge Register (CBR) SITE INVENTORY DATA FORM

*Site # CK-2277		*Site Status ☒ Active ☐ Barricaded/Closed ☐ Deactivated/Closed ☐ Proposed ☐ Transferred ☐ Under Construction	
*Site Type: ☒ Crossing ☐ Storage			
*Project File ID#: 8013		*Br. 02	
*Forest District: CHILLIWACK			
Management Area:			
*Forest Service Road: WINSLOW CRK			
*Kilometres: 0.9		User Kilometres:	
*Crossing Name: BEAVER DAM		Close Proximity ☐ Yes ☐ No Inspection Required?	
*Inspection Status: ☐ Inspect ☐ Do Not Inspect			
*BCTS Business Area (if applicable):			
Trim Map Sheet #:		1:50,000 Map Sheet #:	
Special Access Requirements: ☐ ATV ☐ Boat ☐ 4-Wheel Drive ☐ Gate Key ☒ Helicopter ☐ Isolated Public Access		Special Equipment Requirements: ☐ Peeper Truck ☐ Scuba	
Point of Access Description:			
Coordinates Longitude: (ddd / mm / ss.s)		Latitude: (ddd / mm / ss.s)	
UTM Zone: 10	UTM Easting: 556820	UTM Northing: 5481292	

*Denotes Mandatory Information for Corporate Bridge Register



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Corporate Bridge Register (CBR) Structure Inventory Data Form "BRIDGES"

GENERAL	
*Structure # CK-2277	*Site #: CK-2277
*Type/Class: ☒ Permanent Bridge ☐ Temporary Bridge	Crossing Name: BEAVER DAM
*Forest District: CHILLWACK	Management Area:
*Forest Service Road: WINSLOW	Kilometres: 0.9
*Project File ID#: 8013	*Br. 02
Built For: <div style="display: flex; justify-content: space-between;"> <div> ☐ BC Timber Sales ☐ Other Commercial Users ☐ Road Use Permit Holder </div> <div> ☐ Operations Division ☐ Road Permit Holder </div> </div>	
*Source: <div style="display: flex; justify-content: space-between;"> <div> ☐ Inherited: Found Structure ☐ Inherited: Non-Status Road ☐ Inherited: Reallocation ☒ New Structure ☐ Replacement Structure </div> <div> ☐ Inherited: From Oil & Gas/ Other Ministry ☐ Inherited: Transfers from Other Ministries </div> </div>	
Year Built:	Year Added to Inventory:
Current Load Rating GVW (tonnes): <small>(PEng to enter / update this value on structure details screen in CBR)</small>	Design Load Rating GVW (tonnes): <small>(Typically obtained from design drawings)</small>
Design Vehicle Configuration: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> ☐ BCL625 ☐ CL625 ☐ L100 </div> <div style="width: 50%;"> ☐ L120 ☐ L150 ☐ L165 </div> <div style="width: 50%;"> ☐ L45 ☐ L60 ☒ L75 </div> <div style="width: 50%;"> ☐ L90 ☐ Other </div> </div>	
*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): <small>(PEng to review and evaluate inspector's estimate, and to enter /update this value on structure details screen in CBR).</small>
Estimated Replacement Cost (\$):	
Replacement Cost Comments:	

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Corporate Bridge Register (CBR) Structure Inventory Data Form "BRIDGES"

STRUCTURAL DETAILS

Number of Spans: <div style="text-align: center; font-size: 1.5em;">1</div>	Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20] <div style="text-align: center; font-size: 1.5em;">8.5</div>	
Number of Piers: <div style="text-align: center; font-size: 1.5em;">0</div>	Pier Type: <div style="display: flex; justify-content: space-between;"> <div> ☐ Concrete ☐ Piles - Concrete ☐ Piles - Timber Treated ☐ Steel Column on Concrete Pad </div> <div> ☐ Crib - Timber ☐ Piles - Steel ☐ Piles - Timber Untreated </div> </div>	
Needle Beams? ☐ Yes ☒ No	Portable Structure? ☐ Yes ☒ No	Portable Superstructure Status: ☐ Installed ☐ Storage

Portable Superstructure Storage Location:

*Bridge Length (metres): <div style="text-align: center; font-size: 1.5em;">8.5</div>	*Superstructure: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> ☐ Compo Girders ☐ Concrete Cast in Place ☒ Concrete Slab Girders ☐ Log Stringer ☐ Steel I-Beam ☐ Timber-Treated Stringers </div> <div style="width: 33%;"> ☐ Concrete Box Beam ☐ Concrete I/T Beam ☐ Glulam Girder ☐ Steel Box Beam ☐ Steel Truss/Bailey/Acrow ☐ Timber-Untreated Stringers </div> <div style="width: 33%;"> ☐ Rail Car ☐ Other </div> </div>		
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*Deck Type: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> ☒ Concrete ☐ Concrete Removable ☐ Timber-Treated ☐ Timber-Treated Panels </div> <div style="width: 33%;"> ☐ Concrete Composite ☐ Concrete - Steel Free ☐ Timber-Untreated ☐ Timber-Untreated Panels </div> <div style="width: 33%;"> ☐ Gravel ☐ Steel ☐ Other </div> </div>	*Deck Width (metres): <div style="text-align: center; font-size: 1.5em;">4.9</div>
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*Running Surface: <div style="display: flex; justify-content: space-between;"> <div> ☐ Anti-Skid ☐ Not Available </div> <div> ☐ Asphalt ☐ Timber Planks </div> <div> ☒ Concrete </div> <div> ☐ Gravel </div> </div>
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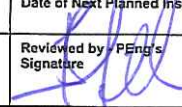
*Left Abutment: ☐ Binwall ☐ Concrete Cast in Place ☐ Concrete Lock Blocks ☐ Concrete Precast ☐ Crib, Log or Untreated Timber ☐ Other ☐ Pile-Temporary Materials ☐ Pile-Permanent Materials ☐ Sill-Permanent Materials ☐ Sill-Temporary Materials ☒ Steel Pipe & Precast Pad	*Right Abutment: ☐ Binwall ☐ Concrete 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
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Comments:

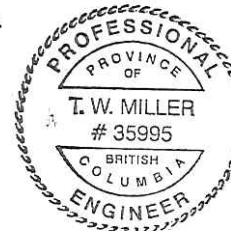
**Routine Condition Bridge Inspection Form**
(except for log stringer or timber stringer bridges)

GENERAL INFORMATION				(enter either long/lat or UTM below – not both)			
*Site #: CK-2277	*Crossing Name: Beaver Dam Creek	*Type/Class: ☐ Temporary bridge ☒ Permanent bridge	*Project File ID# 8013				
*Structure #: CK-2277			*Br. 2				
*FSR Name: Winslow Creek	*Forest District: Chilliwack	*Kilometres: 0.90	User km: 0.90				
Longitude: (ddd / mm / ss.s)		OR	UTM Zone: 10	UTM Easting: 556820	UTM Northing: 5481292		
Latitude: (ddd / mm / ss.s)							
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		No post barriers				
Posted Load Rating	_____ (tonnes) or None						
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 Crib	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		Concrete caps				
Piles or Posts	E G F P N/A UR		Pipe piers				
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						
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		2x slab girders on skew				
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						
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		Rotten rails and risers				
Handrails/ Walkouts	E G F P N/A UR						
Hardware	E G F P N/A UR		Poor				
Overall Deck Condition	E G F P UR						

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

GENERAL INFORMATION			
*Site #: CK-2277		*Structure #: CK-2277	
SUPERSTRUCTURE			
Item	Present Condition (circle)		Comments (a comment is mandatory if condition "Poor" is selected)
Girders	E G F P <u>UR</u>		
Diaphragms	E G F P <u>N/A</u> UR		
Bracing	E G F P <u>N/A</u> UR		
Under-trussing	E G F P <u>N/A</u> UR		
Hardware	E G F P <u>N/A</u> UR		
Welded / Grouted Shear Connectors	E G F P <u>N/A</u> UR		No shear plates
Stream CHANNEL			
*Est. Present Water Level Depth <u>0.3</u> (m)		*Est. Present Water Level Width <u>3.0</u> (m)	*Est. High Water Level Clearance <u>1.2</u> (m)
HAZARDS (circle yes or no for each item)			
High Water?	Yes <u>No</u>	Scour? Yes <u>No</u>	Ice? Yes <u>No</u>
Debris?	Yes <u>No</u>	Aggradation?	Yes <u>No</u>
Comments Beaver dam is partially plugging inlet.			
REPAIRS: ☐ Recommended ☒ Not required (H = High, M = Medium, L = Low)			
Repair Item #	*Priority (circle)	*Estimate (\$)	*Repair Description
1	H M <u>L</u>	\$1.00	Remove beaver dam
2	<u>H</u> M L	\$1.00	Replace rails
3	H <u>M</u> L		Post bridge ahead signs and replace missing delineators
*Monitoring Status: ☐ Recommended ☒ Not required			
Monitor Item #	*Monitor Description		
1			
2			
PHOTO LOG			
Photo #	Description	Photo #	Description
1	Guard rails	5	Right abutment
2	Downstream	6	From upstream
3	From left	7	Left abutment
4	From right		
INSPECTOR TO COMPLETE THIS SECTION			
As-built Drawings Checked? Yes <u>No</u>		P Eng Inspection Required? Yes <u>No</u>	
		Inspector's Estimate of Full Log Haul Traffic Replacement Date (year): 2045 (P Eng 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) 2013/09/25	*Inspection Company Name ONSITE	*Inspector's Name (print) JEREMY ARAKI	Inspector's Signature 
Inspector's Comments			
PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION			
Current Load Rating GVW (tonnes): 68 tonnes (PEng to update structure details screen in CBR as necessary)		Date of Next Planned Inspection (yyyy/mm/dd) 2016/09/30	
Reviewer Company Name MoF	Reviewed by - PEng's Name (print) T. Miller	Reviewed by - PEng's Signature 	Date Reviewed (yyyy/mm/dd) 2014/01/15
PEng Reviewer's Comments Replace guardrail, risers and blocks prior to industrial activity. Post bridge ahead signs, replace			

* Denotes Mandatory Information for Corporate Bridge Register missing delineators and brush approaches.
Remove beaver dam. Present load rating of L75 or 68 tonnes to continue.





CK-2277 Guard Rails



CK-2277 Downstream



CK-2277 From Left



CK-2277 From Right



CK-2277 Right Abutment



CK-2277 From Upstream



CK-2277 Left Abutment