



BC Ministry of
Forests and Range

ACTIVE

2009
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Sep 9
#1

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

GENERAL	
*Structure #	*Site #: CK- 2036
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: CHEHALISS	Kilometres: ?
*Project File ID#: 8241	*Br. 63
Built For: ☐ BC Timber Sales ☐ Operations Division ☐ Other Commercial Users ☐ Road Permit Holder ☐ Road Use Permit Holder	
*Source: ☐ Inherited: Found Structure ☐ Inherited: From Oil & Gas/ ☐ Inherited: Non-Status Road Other Ministry ☐ Inherited: Reallocation ☐ Inherited: Transfers from ☐ New Structure Other Ministries ☐ Replacement Structure	
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: ☐ 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): <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:	

* Denotes Mandatory Information for Corporate Bridge Register



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

CK-2036

STRUCTURAL DETAILS

Number of Spans: 1	Length of Spans (m) [e.g. for a 3-span bridge – 20, 35, 20] 20.2	
Number of Piers: 1	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): 70' 21.2	*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		
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*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
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*Running Surface: ☐ Anti-Skid ☐ Asphalt ☒ Concrete ☐ Gravel ☐ Not Available ☐ Timber Planks			
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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 #: <u>CK-2036</u>	*Crossing Name:	*Type/Class: ☒ Temporary bridge ☐ Permanent bridge	*Project File ID# <u>8241</u>				
*Structure #:			*Br. <u>03</u>				
*FSR Name: <u>CHEHALIS</u>	*Forest District: <u>Chilliwack</u>	*Kilometres: <u>?</u>	User km:				
Longitude: (ddd / mm / ss.s) <u>49 22 11.0</u>	☒ OR ☐ UTM Zone	UTM Easting	UTM Northing				
Latitude: (ddd / mm / ss.s) <u>122 06 37.5</u>							
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 <u>(F)</u> P UR						
Bridge Ahead Signs Missing	0 1 <u>(2)</u>						
Brushing Required	<u>(Yes)</u> No						
Delineator Missing Left	0 1 <u>(2)</u>						
Delineator Missing Right	0 1 <u>(2)</u>						
Fender Condition	E G <u>(D)</u> P None UR	<u>ONLY ON DOWNSTREAM LEFT APPROACH</u>					
Posted Load Rating	(tonnes) or <u>(None)</u>	<u>NUT PISTON</u>					
Road Surface	E G <u>(F)</u> 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 <u>(N/A)</u> UR						
Tie-backs	E G F P <u>(N/A)</u> UR						
Bin Wall	E G F P <u>(N/A)</u> UR						
Concrete (cast in place; lock blocks, precast)	E G F P <u>(N/A)</u> UR						
Caps or Sills	E G F P <u>(N/A)</u> UR						
Piles or Posts	E <u>(G)</u> F P <u>(N/A)</u> UR	<u>PIPE RISERS</u>					
Ballast Wall	E G <u>(F)</u> P <u>(N/A)</u> UR	<u>PRECAST CONCRETE - DOWNSTREAM RIGHT ABUT OF BALLAST WALL ACTUALLY SCOURING.</u>					
Wing Wall	E G F P <u>(N/A)</u> UR						
Bracing	E G F P <u>(N/A)</u> UR						
Hardware	E <u>(G)</u> F P <u>(N/A)</u> UR						
Fill	E G <u>(F)</u> P <u>(N/A)</u> UR	<u>DOWNSTREAM RIGHT ABUT FILL SLOPE SCOURING.</u>					
Riprap	E <u>(G)</u> F P <u>(N/A)</u> UR						
Bearings	E <u>(G)</u> F P <u>(N/A)</u> UR	<u>RUBBER PADS</u>					
Corrosion Protection	E <u>(G)</u> F P <u>(N/A)</u> UR						
Span 1 of <u>1</u> (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 <u>(F)</u> P <u>(N/A)</u> UR						
Running Planks	E G F P <u>(N/A)</u> UR						
Sub-deck	E G F P <u>(N/A)</u> UR						
Ties	E G F P <u>(N/A)</u> UR						
Nails	E G F P <u>(N/A)</u> UR						
Deck to Girder Bolts	E G F P <u>(N/A)</u> UR						
Concrete Deck	E G <u>(F)</u> P <u>(N/A)</u> UR	<u>7X CONCRETE LUMP.</u>					
Grout Pockets	E G <u>(F)</u> P <u>(N/A)</u> UR						
Deck Joints	E G <u>(F)</u> P <u>(N/A)</u> UR						
Steel Deck Plate	E G F P <u>(N/A)</u> UR						
Gravel Surface	E G F P <u>(N/A)</u> UR						
Gravel Deck Depth	metres of <u>(N/A)</u>						
Curb Rail/Blocks/Posts	E G <u>(F)</u> P UR	<u>RISERS ROTTEN - RAIL LOOSE</u>					
Handrails/Walkouts	E G F P <u>(N/A)</u> UR						
Hardware	E G <u>(F)</u> P <u>(N/A)</u> UR	<u>LOOSE</u>					
Overall Deck Condition	E G <u>(F)</u> P UR						

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

GENERAL INFORMATION			
*Sub #: CK-2036		*Structure #:	
SUPERSTRUCTURE			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Girders	E G (F) P UR	2X STEEL I-BEAM	
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: 0.2 (m)		*Est. Present Water Level Depth: 1.1 (m)	*Est. Present Water Level Depth: 2.2 (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			
REPAIRS: ☐ Recommended ☐ Not required (H=High, M=Medium, L=Low)			
Repair Item #	*Priority (circle)	*Estimate (\$)	*Repair Description
1	(H) M L		REPLACE RAILS WITH HEAVY INDUSTRIAL ACTIVITY.
2	H M L		
3	H M L		
Monitoring Status: ☐ Recommended ☐ Not required			
Monitor Item #	*Monitor Description		
1			
2			
PHOTO LOG			
Photo #	Description	Photo #	Description
1	RIGHT TO LEFT	1	LEFT ABUT.
2	SCOUR AT RIGHT ABUT. DIS	2	RIGHT ABUT.
3	LEFT TO RIGHT	3	UNDERSIDE
4	UPSTREAM	4	DOWNSTREAM
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): (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) 2010-09-09	*Inspection Company Name Dodge Engineering Ltd	*Inspector's Name (print) Ali Saloghi	Inspector's Signature
Inspector's Comments			
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)	
136		2013/09/01	
Reviewer Company Name MNRO	Reviewed by - PEng's Name (print) G. Dohm	Reviewed by - PEng's Signature 	Date Reviewed (yyyy/mm/dd) 2010/11/16
PEng Reviewer's Comments			
Recommend repairs to curb rails and monitoring scouring at abutment noted.			



CK2036 Right to left



CK2036 Left to right



CK2036 scour downstream right...



CK2036 From upstream



CK2036 Left abutment



CK2036 Right abutment



CK2036 Underneath



CK2036 From downstream



CK2036 scour downstream right...



CK2036 Crossing name



CK2036 Damaged rail