



BC Ministry of
Forests and Range

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Corporate Bridge Register (CBR) SITE INVENTORY DATA FORM

*Site # CK-2440		*Site Status ☒ Active ☐ Barricaded/Closed ☐ Deactivated/Closed ☐ Proposed ☐ Transferred ☐ Under Construction	
*Site Type: ☒ Crossing ☐ Storage			
*Project File ID#: 8013		*Br. 01	
*Forest District: CHILLIWACK			
Management Area:			
*Forest Service Road: STAVE			
*Kilometres: 31.8		User Kilometres: 29.9	
*Crossing Name: SIDE CRK		Close Proximity Inspection Required? ☐ Yes ☒ No	
*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: 542965	UTM Northing: 5493886	

*Denotes Mandatory Information for Corporate Bridge Register



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

GENERAL	
*Structure # <u>CK-2440</u>	*Site #: <u>CK-2440</u>
*Type/Class: ☒ Permanent Bridge ☐ Temporary Bridge	Crossing Name: <u>SIDE CRK</u>
*Forest District: <u>CHILLIWACK</u>	Management Area:
*Forest Service Road: <u>STAVE</u>	Kilometres: <u>31.8</u>
*Project File ID#: <u>8013</u>	*Br. <u>01</u>
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/ Other Ministry ☐ Inherited: Non-Status Road ☐ Inherited: Transfers from Other Ministries ☐ Inherited: Reallocation ☐ New Structure ☐ 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): <u>2045</u>	*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> <u>2045</u>
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: 2em;">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;">15.2</div>
Number of Piers: <div style="text-align: center; font-size: 2em;">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;">15.2</div>	*Superstructure: <table style="width: 100%;"> <tr> <td>☐ Compo Girders</td> <td>☒ Concrete Box Beam</td> <td>☐ Rail Car</td> </tr> <tr> <td>☐ Concrete Cast in Place</td> <td>☐ Concrete I/T Beam</td> <td>☐ Other</td> </tr> <tr> <td>☐ Concrete Slab Girders</td> <td>☐ Glulam Girder</td> <td></td> </tr> <tr> <td>☐ Log Stringer</td> <td>☐ Steel Box Beam</td> <td></td> </tr> <tr> <td>☐ Steel I-Beam</td> <td>☐ Steel Truss/Bailey/Acrow</td> <td></td> </tr> <tr> <td>☐ Timber-Treated Stringers</td> <td>☐ Timber-Untreated Stringers</td> <td></td> </tr> </table>	☐ 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	
☐ Compo Girders	☒ Concrete Box Beam	☐ Rail Car																	
☐ Concrete Cast in Place	☐ Concrete I/T Beam	☐ Other																	
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☐ Steel I-Beam	☐ Steel Truss/Bailey/Acrow																		
☐ Timber-Treated Stringers	☐ Timber-Untreated Stringers																		

*Deck Type: <table style="width: 100%;"> <tr> <td>☒ Concrete</td> <td>☐ Concrete Composite</td> <td>☐ Gravel</td> </tr> <tr> <td>☐ Concrete Removable</td> <td>☐ Concrete - Steel Free</td> <td>☐ Steel</td> </tr> <tr> <td>☐ Timber-Treated</td> <td>☐ Timber-Untreated</td> <td>☐ Other</td> </tr> <tr> <td>☐ Timber-Treated Panels</td> <td>☐ Timber-Untreated Panels</td> <td></td> </tr> </table>	☒ Concrete	☐ Concrete Composite	☐ Gravel	☐ Concrete Removable	☐ Concrete - Steel Free	☐ Steel	☐ Timber-Treated	☐ Timber-Untreated	☐ Other	☐ Timber-Treated Panels	☐ Timber-Untreated Panels		*Deck Width (metres): <div style="text-align: center; font-size: 1.5em;">4.9</div>
☒ Concrete	☐ Concrete Composite	☐ Gravel											
☐ Concrete Removable	☐ Concrete - Steel Free	☐ Steel											
☐ Timber-Treated	☐ Timber-Untreated	☐ Other											
☐ Timber-Treated Panels	☐ Timber-Untreated Panels												

*Running Surface: <table style="width: 100%;"> <tr> <td>☐ Anti-Skid</td> <td>☐ Asphalt</td> <td>☒ Concrete</td> <td>☐ Gravel</td> </tr> <tr> <td>☐ Not Available</td> <td>☐ Timber Planks</td> <td></td> <td></td> </tr> </table>	☐ Anti-Skid	☐ Asphalt	☒ Concrete	☐ Gravel	☐ Not Available	☐ Timber Planks		
☐ Anti-Skid	☐ Asphalt	☒ Concrete	☐ Gravel					
☐ Not Available	☐ Timber Planks							

*Left Abutment: <ul style="list-style-type: none"> ☐ 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: <ul style="list-style-type: none"> ☐ 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-2440	*Crossing Name: Side Creek	*Type/Class: ☒ Permanent bridge	*Project File ID# 8013				
*Structure #: CK-2440			*Br. 01				
*FSR Name: Stave River	*Forest District: Chilliwack	*Kilometres: 31.8	User km: 29.9				
Longitude: (ddd / mm / ss.s)		OR	UTM Zone: 10	UTM Easting: 542965	UTM Northing: 5493886		
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 <u>F</u> P UR					
Bridge Ahead Signs Missing	0	1 <u>2</u>					
Brushing Required	Yes	<u>No</u>					
Delineator Missing Left	<u>0</u>	1 2					
Delineator Missing Right	0	<u>1</u> 2					
Fender Condition	E	<u>G</u> F P None UR	No post barriers				
Posted Load Rating	____ (tonnes) or None						
Road Surface	E	G <u>F</u> P UR	pot holes				
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 <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	<u>G</u> F P N/A UR	Precast caps and ballast wall				
Piles or Posts	E	G F P <u>N/A</u> UR	May be piles but not visible: May just be one piece cap/footing				
Ballast Wall	E	<u>G</u> F P N/A UR	Precast concrete				
Wing Wall	E	G F P <u>N/A</u> UR					
Bracing	E	G F P <u>N/A</u> UR					
Hardware	E	G F P <u>N/A</u> UR					
Fill	E	<u>G</u> F P N/A UR					
Riprap	E	<u>G</u> F P N/A UR					
Bearings	E	<u>G</u> F P N/A UR	rubber pads				
Corrosion Protection	E	G F P <u>N/A</u> 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 <u>F</u> P N/A UR	Debris on bridge				
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 N/A UR	2x slab girders				
Grout Pockets	E	<u>G</u> F P N/A UR	Pins at ends				
Deck Joints	E	G F 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 or N/A						
Curb Rail/Blocks/Posts	E	G <u>F</u> P UR	Timber rails				
Handrails/ Walkouts	E	G F P <u>N/A</u> UR					
Hardware	E	G <u>F</u> P N/A UR					
Overall Deck Condition	E	G <u>F</u> P UR					

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

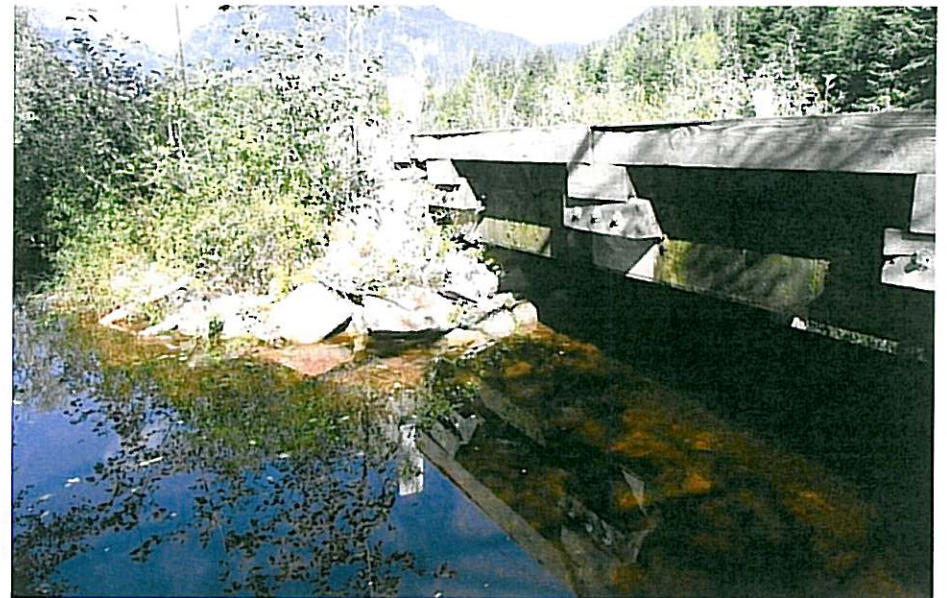
GENERAL INFORMATION			
*Site #: CK-2440		*Structure #: CK-2440	
SUPERSTRUCTURE			
Item	Present Condition (circle)		Comments (a comment is mandatory if condition "Poor" is selected)
Girders	E	G F P UR	
Diaphragms	E	G F P N/A UR	
Bracing	E	G F P N/A UR	
Under-trussing	E	G F P N/A UR	
Hardware	E	G F P N/A UR	
Welded / Grouted Shear Connectors	E	G F P N/A UR	Welded shear connections
Stream CHANNEL			
*Est. Present Water Level Depth 0.5 (m)		*Est. Present Water Level Width 9.0 (m)	*Est. High Water Level Clearance 0.5 (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: Beaver dam downstream partially blocking flow			
REPAIRS: ☐ Recommended ☒ Not required (H = High, M = Medium, L = Low)			
Repair Item #	*Priority (circle)	*Estimate (\$)	*Repair Description
1	H M L		post bridge ahead signs
2	H M L		replace missing delineator
3	H M L		remove beaver dam
*Monitoring Status: ☐ Recommended ☒ Not required			
Monitor Item #	*Monitor Description		
1			
2			
PHOTO LOG			
Photo #	Description	Photo #	Description
1	from Right	5	Girders #9 from Downstream
2	from Downstream (2)	6	from Downstream #10 Pin at end
3	from Upstream	7	Left bearing #11 Right abutment
4	from Left	8	Left Abutment
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): 2045 (PEng to review and evaluate Inspector's estimate, and to provide Full Log Haul Traffic Replacement (year) on structure details screen if necessary)	
*Date of Inspection (yyyy/mm/dd) 2013/09/25	*Inspection Company Name ONSITE	*Inspector's Name (print) Jeremy Araki	Inspector's Signature J. C. P. ARAKI # 29756 PROFESSIONAL ENGINEER BRITISH COLUMBIA
Inspector's Comments			
PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION			
Current Load Rating GVW (tonnes): unknown (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 <i>[Signature]</i>	Date Reviewed (yyyy/mm/dd) 2014/01/15
PEng Reviewer's Comments The conceptual design indicates L75 loading, please send record and fabrication/shop drawings			

* Denotes Mandatory Information for Corporate Bridge Register to CEG for an updated load rating.
Remove the beaver dam, replace the missing delineator and post bridge ahead signs.





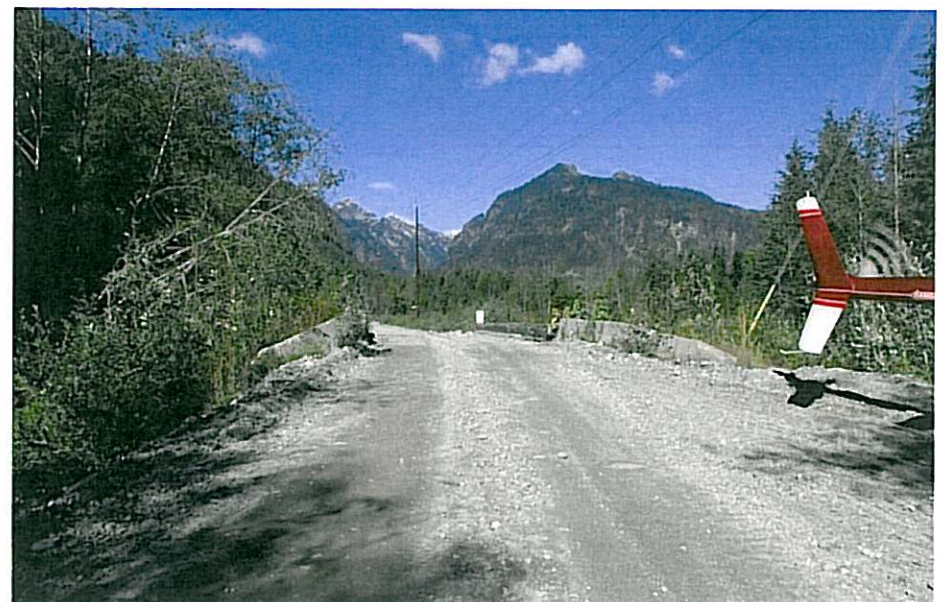
CK-2440 From Right



CK-2440 From Downstream (2)



CK-2440 From Upstream



CK-2440 From Left



CK-2440 Girders



CK-2440 From Downstream



CK-2440 Left Bearing



CK-2440 Left Abutment



CK-2440 From Upstream (2)



CK-2440 Pin at end



CK-2440 Right Abutment