



BC Ministry of
Forests and Range

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

GENERAL	
*Structure #	*Site #: CK-2177
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: Lost-South	Kilometres: 4.9
*Project File ID#: 8466	*Br. 04
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

CK 2177

AN ALICE ONLY

Aug 11

BC Ministry of
Forests and Range

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Bridge Register Structure Inventory Data Form BRIDGES

STRUCTURAL DETAILS

Number of Spans: 1

Needle Beams?

☐ Yes☒ NoLength of Spans (m)
[e.g. for a 3-span bridge
- 20, 35, 20]

Portable Structure?

☐ Yes☒ NoPortable Superstructure
Status:☐ Installed☐ Storage

Portable Superstructure Storage Location:

*Bridge Length
(metres):

6.4

*Superstructure:

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

*Deck Type:

☐ Concrete☐ Concrete Removable☐ Other☐ Steel Free☐ Timber-Treated Panels☐ Timber-Untreated Panels☐ Concrete Composite☒ Gravel☐ Steel☐ Timber-Treated☐ Timber-Untreated

*Deck Width (metres):

?

*Running Surface:

☐ Anti-Skid☐ Asphalt☐ Concrete☒ Gravel☐ N/A☐ Timber Planks

*Left Abutment:

☐ Binwall☐ Concrete Cast in Place☐ Concrete Lock Blocks☐ Concrete Precast☒ Crib, Log or Timber☐ Other☐ Pile-Temporary Materials☐ Pile-Permanent Materials☐ Sill-Permanent Materials☐ Sill-Temporary Materials☐ Steel Pipe & Precast Pat

*Right Abutment:

☐ Binwall☐ Concrete Cast in Place☐ Concrete Lock Blocks☐ Concrete Precast☒ Crib, Log or Timber☐ Other☐ Pile-Temporary Materials☐ Pile-Permanent Materials☐ Sill-Permanent Materials☐ Sill-Temporary Materials☐ Steel Pipe & Precast Pat

Comments:

STRUCTURE CONDENSED. STRINGER ON THE UPSTREAM SIDE TYPED. 1.1.11

**Routine Condition Bridge Inspection Form**
(for log stringer or timber stringer bridges)**GENERAL INFORMATION** (enter either longlat or UTM - not both)

Site #	CK2177	Structure #	
FSR Name	LOST-SMITH	User km	
Project File ID	2466	Branch	04
Longitude: (ddd / mm / ss.s)	49 20 39.5	OR	
Latitude: (ddd / mm / ss.s)	122 11 50.3	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.

Item	Present Condition (circle or fill-in)	Comments (a comment is mandatory if condition "Poor" is selected)
Alignment	E G F P	
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)	
Posted Load Rating (tonnes)	—	NOT POSTED. THERE SHOULD BE AID USING ACCESS
Road Surface	E G F (P)	A NUMBER OF FAILURES BEFORE CROSSING

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	
Tie-backs	E G F P N/A	
Bin Wall	E G F P N/A	
Precast Concrete	E G F P N/A	
Caps or Sills	E G F (P)	ROTTEN SILLS
Piles or Posts	E G F P N/A	
Ballast Wall	E G (F) P	
Wing Wall	E G F P N/A	
Bracing	E G F P N/A	
Hardware	E G F P N/A	
Fill	E G F (P)	STRUTTERS HAVE FAILED & ARE LEANING IN STREAM
Riprap	E G F P N/A	LARGE HOLE ON
Bearings	E G F (P)	
Corrosion Protection	E G F P N/A	

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

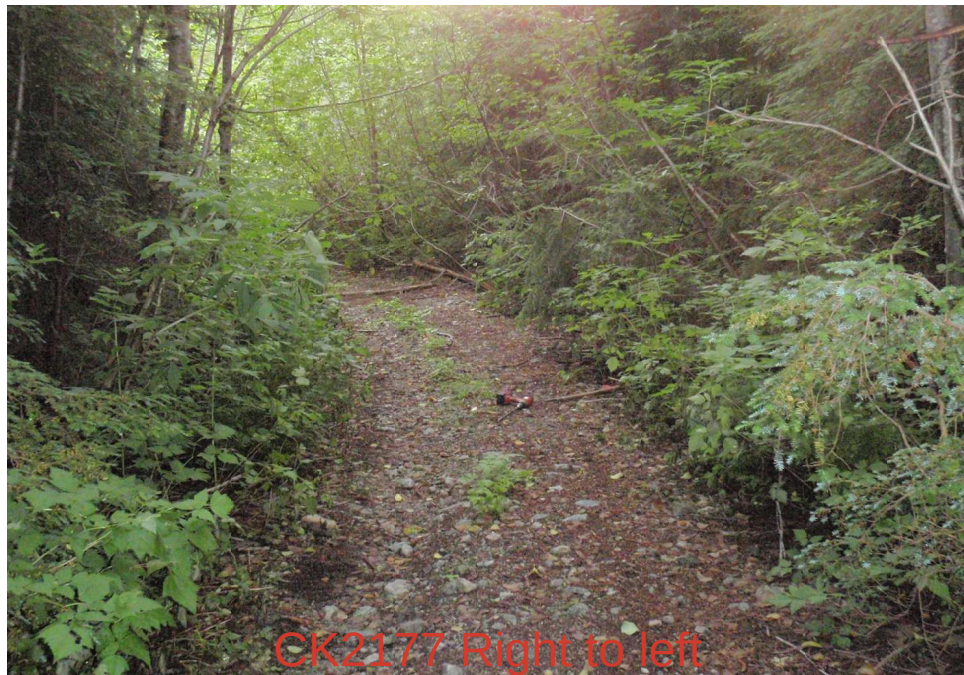
Use "Additional Spans" Sheet for Multiple Spans

DECK

Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Running Surface	E G F (P)	
Running Planks	E G F P N/A	
Sub-deck	E G F P N/A	
Ties	E G F P N/A	
Nails	E G F P N/A	
Deck to Girder Bolts	E G F P N/A	
Concrete Deck	E G F P N/A	
Grout Pockets	E G F P N/A	
Deck Joints	E G F P N/A	
Anti-skid Surface	E G F P N/A	
Gravel Surface	E G F P N/A	SEE PHOTO
Curb Rail/Blocks/Posts	E G F (P)	NONE INSTALLED
Handrails/Walkouts	E G F P N/A	
Hardware	E G F P N/A	
Overall Deck Condition	E G F (P)	

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

GENERAL INFORMATION							
Site # <u>C82172</u>				Structure #			
SUPERSTRUCTURE (stringers numbered from upstream side of bridge)							
Item		Present Condition (circle)		Comments (a comment is mandatory if condition "Poor" is selected)			
Log Curbs		E G F P <u>(N/A)</u>					
Needle Beams and Shims		E G F P <u>(N/A)</u>					
Stringer #	Species	Peeled? (circle)	Diameter (mm) or Width x Depth (mm x mm)	Rot Depth Bottom (mm)	Rot Depth Side (mm)	Rot Depth Top (mm)	Comments
1		Y N					STRINGERS # 2+3 HAVE FAILED AND ARE NOW LEANING IN STREAM.
2		Y N					
3		Y N					
4		Y N					
5		Y N					
6		Y N					
7		Y N					
8		Y N					
9		Y N					
10		Y N					
CHANNEL							
Est. Present Water Level Depth (m)		Est. Present Water Level Width (m)		Est. High Water Level Clearance (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 <u>SINCE INLET PARTIALLY BLOCK, DEBRIS WILL ACCUMULATE & CHANNEL AGGRADE</u>							
REPAIRS (H = High, M = Medium, L = Low)							
#	Priority (circle)	Estimate (\$)	Description				
1	<u>(H)</u> M L		REPLACE STRUCTURE PRIOR TO VEHICLE TRAFFIC				
2	H M L						
3	H M L						
ITEMS TO MONITOR							
#	Description						
1							
2							
PHOTO LOG							
Photo #	Description	Photo #	Description				
	LEFT TO RIGHT		FAILED STRINGER				
	WALK OVER STRUCTURE		FROM DOWNSTREAM				
	RIGHT TO LEFT		DEBRIS JAM				
	FROM UPSTREAM X2		EXPULSED STRINGER				
INSPECTOR TO COMPLETE THIS SECTION							
As-built Drawings Checked? Yes <u>(No)</u>		P Eng Inspection Required? Yes <u>(No)</u>		Date of Inspection (yyyy/mm/dd) 2010-08-10			
Inspection Company Name <u>Onsite Engineering Ltd.</u>		Inspector's Name (print) <u>ALI SADEGH</u>		Inspector's Signature <u>[Signature]</u>			
Comments <u>THERE SHOULD BE NO VEHICLE ACCESS. STRUCTURE NOT SAFE.</u>							
PROFESSIONAL ENGINEER TO COMPLETE THIS SECTION							
Current Load Rating GVW (tonnes): <u>Condemned</u>				Date of Next Inspection <u>NOT Applicable</u>			
Reviewer Company Name <u>MNRO</u>		Reviewed by - P Eng's Name (print) <u>G. Dohm</u>		Reviewed by - P Eng's Signature		Date Reviewed (yyyy/mm/dd) <u>2010/12/01</u>	
Comments <u>Close bridge by barricades or remove bridge.</u>							



CK2177 Right to left



CK2177 Left to right



CK2177 From upstream



CK2177 hole over structure



CK2177 From downstream



CK2177 Failed stringer



CK2177 Debris jam



CK2177 Left abutment



CK 2177 Road3



CK2177 Exposed stringer



CK 2177 Road4



CK 2177 Road2





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

GENERAL	
*Structure #	*Site #: CK-2178
*Type/Class: ☐ Permanent Bridge ☐ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: TEREPOCKI	Kilometres: 2.4
*Project File ID#: 8466	*Br. 06
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): (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

ACTIVE

★

AUG 11

CK-2178 = PICK UP ACCESS ONLY. L5

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	Bridge Register Structure Inventory Data Form BRIDGES

STRUCTURAL DETAILS			
Number of Spans:		Needle Beams? ☐ Yes ☒ No	
Length of Spans (m) [e.g. for a 3-span bridge - 20, 35, 20] 12.3	Portable Structure? ☐ Yes ☒ No	Portable Superstructure Status: ☐ Installed ☐ Storage	
Portable Superstructure Storage Location:			
*Bridge Length (metres): 12.3	*Superstructure: ☐ Compo Girders ☐ Concrete Box Beam ☐ Concrete Cast in Place ☐ Concrete I/T Beam ☐ Concrete Slab Girders ☐ Glulam Girder ☐ Log Stringer ☐ Other ☐ Rail Car ☐ Steel Box Beam ☒ Steel I-Beam ☐ Steel Truss/Bailey/Acrow ☐ Timber-Treated Stringers ☐ Timber-Untreated Stringers		
*Deck Type: ☐ Concrete ☐ Concrete Composite ☐ Concrete Removable ☐ Gravel ☐ Other ☐ Steel ☐ Steel Free ☐ Timber-Treated ☐ Timber-Treated Panels ☒ Timber-Untreated ☐ Timber-Untreated Panels		*Deck Width (metres): 4.6	
*Running Surface: ☐ Anti-Skid ☐ Asphalt ☐ Concrete ☐ Gravel ☒ N/A ☐ Timber Planks			
*Left Abutment: ☐ Binwall ☐ Concrete Cast in Place ☐ Concrete Lock Blocks ☐ Concrete Precast ☐ Crib, Log or Timber ☐ Other ☐ Pile-Temporary Materials ☐ Pile-Permanent Materials ☐ Sill-Permanent Materials ☐ Sill-Temporary Materials ☐ Steel Pipe & Precast Pat		*Right Abutment: ☐ Binwall ☐ Concrete Cast in Place ☐ Concrete Lock Blocks ☐ Concrete Precast ☐ Crib, Log or Timber ☐ Other ☐ Pile-Temporary Materials ☐ Pile-Permanent Materials ☐ Sill-Permanent Materials ☐ Sill-Temporary Materials ☐ Steel Pipe & Precast Pat	
Comments:			



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

GENERAL	
*Structure #	*Site #: CK-2178
*Type/Class: ☐ Permanent Bridge ☐ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: TEREPOKI	Kilometres: 6.5
*Project File ID#: 8466	*Br. 06
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): (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

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

(enter either long/lat or UTM - not both)

Site #	CK-278	Structure #	
FSR Name	TEREPOCK 1	User km	2.4
Project File ID	8466	Branch	06
Longitude: (ddd / mm / ss.s)	49 22 01.5	OR	UTM Zone
Latitude: (ddd / mm / ss.s)	122 14 07.6		UTM Easting
			UTM Northing

LEFT/RIGHT APPROACHES (as seen facing downstream) E = excellent; G = good; F = fair; P = poor; N/A = not appl.

Item	Present Condition (circle or fill-in)	Comments (a comment is mandatory if condition "Poor" is selected)
Alignment	E G F (P)	TIGHT HORIZONTAL CURVE
Bridge Ahead Signs Missing	0 1 (2)	
Brushing Required	(Yes) No	MINOR BRUSHING
Delinestor Missing Left	0 1 (2)	
Delinestor Missing Right	0 1 (2)	
Fender Condition	E G (F) P None	NO POST BARRIERS INSTALLED PROPERLY.
Posted Load Rating (tonnes)	—	NOT POSTED BUT SINCE STRUCTURE IS RATE AS L-10, IT SHOULD BE POSTED
Road Surface	E G F (P)	POTHoles AND APPROACHES

LEFT/RIGHT ABUTMENTS (as seen facing downstream)

Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)
Log/Timber Cribbs	E G (F) P N/A	ALTHOUGH OLD & SOME OF CRIB LOGS (POWEN), NO SIGNS OF FAILURE. 3x CRIB
Tie-backs	E G (F) P N/A	2x
Bin Wall	E G F P (N/A)	
Precast Concrete	E G F P (N/A)	
Caps or Sills	E G (F) P	TIMBER.
Piles or Posts	E G F P (N/A)	
Ballast Wall	E (G) F P	TREATED TIMBER.
Wing Wall	E G F P (N/A)	
Bracing	E G F P (N/A)	
Hardware	E G F P (N/A)	
Fill	E G (F) P	
Riprap	E G F P (N/A)	NO RIP RAP.
Bearings	E G F (P) - 1	1 P
Corrosion Protection	E G F (P) N/A	STRUCTURE BEARING OVER OLD CRIB, CONSIDER REDUCING LOADING.

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	E G (F) P	
Running Planks	E G (F) P N/A	SOME OF PLANKS HAVE BEEN REPLACED.
Sub-deck	E G F P (N/A)	
Ties	E G F (P) N/A	90% OF TIMBER CROSS TIE ROTS.
Nails	E G (F) P N/A	SOME STICKING OUT.
Deck to Girder Bolts	E G (F) P N/A	
Concrete Deck	E G F P (N/A)	
Grout Pockets	E G F P (N/A)	
Deck Joints	E G F P (N/A)	
Anti-skid Surface	E G F P (N/A)	
Gravel Surface	E G F P (N/A)	
Curb Rail/Blocks/Posts	E G F (P)	TIMBER RAIL OK BUT ROTTED TO ROTTEN CROSS TIES.
Handrails/Walkouts	E G F P (N/A)	
Hardware	E G (F) P N/A	
Overall Deck Condition	E G F (P)	DUE TO ROTTEN CROSS TIES.

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

GENERAL INFORMATION			
Site # 2178		Structure #	
SUPERSTRUCTURE			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Girders	E G (F) P	STEEL I-BEAMS X7	
Diaphragms	E G F P (N/A)		
Bracing	E G (F) P N/A		
Under-trussing	E G F P (N/A)		
Hardware	E G (F) P N/A		
Cracks/Checks in Glulam Girders	E G F P (N/A)		
Concrete	E G F P (N/A)		
Shear Connectors	E G F P (N/A)		
Grout Pockets	E G F P (N/A)		
CHANNEL			
Est. Present Water Level Depth (m)	0.5	Est. Present Water Level Width (m)	50
		Est. High Water Level Clearance (m)	1.2
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 ABOVE CROSSING.			
REPAIRS (H = High, M = Medium, L = Low)			
#	Priority (circle)	Estimate (\$)	Description
1	(H) M L		INSTALL DELINEATORS
2	(H) M L		BRIDGE AHEAD SIGNS
3	(H) M L		LOAD RATING.
ITEMS TO MONITOR			
#	Description		
1	MONITOR BEAVER DAM.		
2			
PHOTO LOG			
Photo #	Description	Photo #	Description
	RIGHT TO LEFT		FROM UPSTREAM
	LEFT TO RIGHT		RIGHT ABUT
	BEAVER DAM		LEFT ABUT
	NO POST BARRIER		FROM DOWNSTREAM
INSPECTOR TO COMPLETE THIS SECTION			
As-built Drawings Checked?	Yes (No)	P Eng Inspection Required? Yes (No)	Date of Inspection (yyyy/mm/dd)
			2010-09-11
Inspection Company Name	Inspector's Name (print)	Inspector's Signature	
Onsite Engineering Ltd.	ALI SADEGH		
Comments STRUCTURE BEARS DIRECTLY OVER OLD CRIB. ALTHOUGH			
PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION			
Current Load Rating GVW (tonnes):	5	Date of Next Inspection 2011/09/01	
Reviewer Company Name	Reviewed by - PEng's Name (print)	Reviewed by - PEng's Signature	Date Reviewed (yyyy/mm/dd)
MNRO	G. Dohm		2010/12/01
Comments Downrate to 5 tonnes. Please post. Recommend planning to replace deck.			

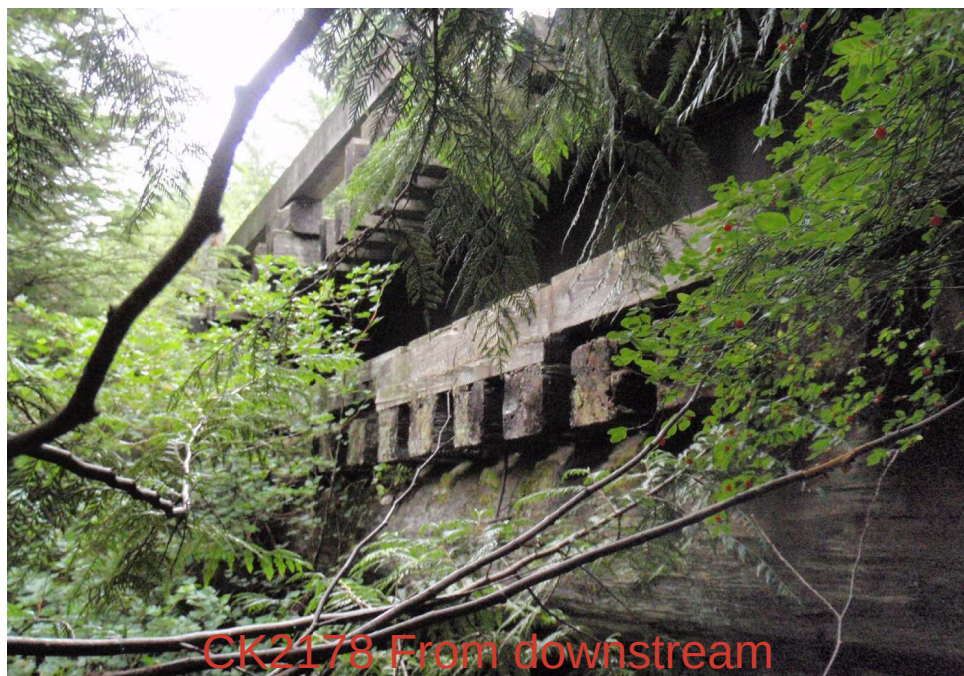
STRUCTURE BEARING
OVER OLD CRIB.THE CRIB
AREAS IN FILL
CONATION, THERE
SHOULD BE NO IND.
USTIAL ACTIVITY
OVER CROSSING.L-5
PICKUP ACCESS
ONLY.



CK2178 Left abutment 2



CK2178 Structure bearing2



CK2178 From downstream



CK2178 Structure bearing



CK2178 Left abutment



CK2178 Right abutment



CK2178 From upstream



CK2178 Poor No post barrier



CK2178 Right to left



CK2178 Rotten deck



CK2178 Left to right



CK2178 beaver dam



BC Ministry of
Forests and Range

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

GENERAL	
*Structure #	*Site #: <u>CK-2180</u>
*Type/Class: ☐ Permanent Bridge ☒ Temporary Bridge	Crossing Name:
*Forest District: <u>Chilliwack</u>	Management Area:
*Forest Service Road: <u>TEPEPOCKI</u>	Kilometres: <u>6.5</u>
*Project File ID#: <u>8466</u>	*Br. <u>06</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/ ☐ 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): (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 2180

ATU ACCESS ONLY

BC Ministry of
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Bridge Register Structure Inventory Data Form BRIDGES

STRUCTURAL DETAILS

Number of Spans:

1

Needle Beams?

☐ Yes☒ NoLength of Spans (m)
[e.g. for a 3-span bridge
- 20, 35, 20]

3.2

Portable Structure?

☐ Yes☒ NoPortable Superstructure
Status:☐ Installed☐ Storage

Portable Superstructure Storage Location:

*Bridge Length
(metres):

3.2

*Superstructure:

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

*Deck Type:

☐ Concrete☐ Concrete Removable☐ Other☐ Steel Free☐ Timber-Treated Panels☐ Timber-Untreated Panels☐ Concrete Composite☒ Gravel☐ Steel☐ Timber-Treated☐ Timber-Untreated

*Deck Width (metres):

2.6m

*Running Surface:

☐ Anti-Skid☐ N/A☐ Asphalt☐ Timber Planks☐ Concrete☒ Gravel

*Left Abutment:

☐ Binwall☐ Concrete Cast in Place☐ Concrete Lock Blocks☐ Concrete Precast☒ Crib, Log or Timber☐ Other☐ Pile-Temporary Materials☐ Pile-Permanent Materials☐ Sill-Permanent Materials☐ Sill-Temporary Materials☐ Steel Pipe & Precast Pat

*Right Abutment:

☐ Binwall☐ Concrete Cast in Place☐ Concrete Lock Blocks☐ Concrete Precast☒ Crib, Log or Timber☐ Other☐ Pile-Temporary Materials☐ Pile-Permanent Materials☐ Sill-Permanent Materials☐ Sill-Temporary Materials☐ Steel Pipe & Precast Pat

Comments:

LOG STRINGERS IN A VERY POOR CONDITION. CRIB IS ALSO ROTTEN

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

GENERAL INFORMATION				(enter either long/lat or UTM - not both)		
Site #	CK-2188		Structure #			
FSR Name	TEPEPOCKI		User km	6.50	Project File ID	B466
Branch	06					
Longitude: (ddd / mm / ss.s)	49 22 02.8		OR	UTM Zone	UTM Easting	UTM Northing
Latitude: (ddd / mm / ss.s)	122 15 02.8					
LEFT/RIGHT APPROACHES (as seen facing downstream) E = excellent; G = good; F = fair; P = poor; N/A = not appl.						
Item	Present Condition (circle or fill-in)		Comments (a comment is mandatory if condition 'Poor' is selected)			
Alignment	E G (F) P					
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)					
Posted Load Rating (tonnes)	---		NOT POSTED			
Road Surface	E G (F P)		POTHOLE OVER CROSSING			
LEFT/RIGHT ABUTMENTS (as seen facing downstream)						
Item	Present Condition (circle)		Comments (a comment is mandatory if condition 'Poor' is selected)			
Log/Timber Cribbs	E G F (P) N/A		2x CLOSED FACED ROTTEN!			
Tie-backs	E G F P (N/A)					
Bin Wall	E G F P (N/A)					
Precast Concrete	E G F P (N/A)					
Caps or Sills	E G F (P)		RANCH SILL			
Piles or Posts	E G F P (N/A)					
Balloon Wall	E G (F) P					
Wing Wall	E G F P (N/A)					
Bracing	E G F (P) N/A		LOOSELY LASHED			
Hardware	E G F P (N/A)					
Fill	E G (F) P		N 90CM OF FILL			
Riprap	E G F P (N/A)					
Bearings	E G (F) P					
Corrosion Protection	E G F P (N/A)					
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	E G (F) P		LARGE POTHOLE AND SPALLING			
Running Planks	E G F P (N/A)					
Sub-deck	E G F P (N/A)					
Ties	E G F P (N/A)					
Nails	E G F P (N/A)					
Deck to Girder Bolts	E G F P (N/A)					
Concrete Deck	E G F P (N/A)					
Grout Pockets	E G F P (N/A)					
Deck Joints	E G F P (N/A)					
Anti-skid Surface	E G F P (N/A)					
Gravel Surface	E G (F) P (N/A)		0.8cm of fill			
Curb Rail/Blocks/Posts	E G F (P)		NO CURB			
Handrails/Walkouts	E G F P (N/A)					
Hardware	E G F (P) (N/A)		SHELVES LASHED LOOSELY WITH MORE			
Overall Deck Condition	E G F (P)					

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

GENERAL INFORMATION							
Site # K-2180				Structure #			
SUPERSTRUCTURE (stringers numbered from upstream side of bridge)							
Item		Present Condition (circle)		Comments (a comment is mandatory if condition "Poor" is selected)			
Log Curbs		E G F (P) N/A		ROTTEN			
Needle Beams and Shims		E G F P (N/A)		NO NEEDLE BEAM			
Stringer #	Species	Peeled? (circle)	Diameter (mm) or Width x Depth (mm x mm)	Rot Depth Bottom (mm)	Rot Depth Side (mm)	Rot Depth Top (mm)	Comments
1	(W)	(N)	62	120			11 38 Y
2	"	(N)	41	100			12 23 Y
3	"	(N)	45	120			13 30 Y
4	"	(N)	57	150			14 77 Y
5	"	(N)	39	ROTTEN			15 38 Y
6	"	(N)	45	ROTTEN			16 95 Y
7	"	(N)	36	ROTTEN			17 59 Y
8	"	(N)	38	ROTTEN			18 64 Y
9	"	(N)	29	150			19 69 Y
10	"	(N)	42	ROTTEN			120 mm
CHANNEL							
Est. Present Water Level Depth (m)		0.2		Est. Present Water Level Width (m)		2.5	
				Est. High Water Level Clearance (m)		1.2	
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 LEFT ABUTMENT DOWNSTREAM BEING UNDERMINED							
REPAIRS (H = High, M = Medium, L = Low)							
#	Priority (circle)	Estimate (\$)	Description				
1	(H) M L		REPLACE STRUCTURE PRIOR TO ANY TRAFFIC				
2	H M L						
3	H M L						
ITEMS TO MONITOR							
#	Description						
1							
2							
PHOTO LOG							
Photo #	Description	Photo #	Description				
	FROM UPSTREAM X2		SEE CRIB UNDERMINED (LEFT ABUT)				
	RIGHT ABUT		FROM DOWNSTREAM				
	LEFT ABUTMENT		RIGHT TO LEFT				
	ROTTEN STRINGERS X 4		LEFT TO RIGHT				
INSPECTOR TO COMPLETE THIS SECTION							
As-built Drawings Checked?		P Eng Inspection Required? Yes No		Date of inspection (yyyy/mm/dd)			
Yes No							
Inspection Company Name		Inspector's Name (print)		Inspector's Signature			
		At. Soley					
Comments NO ACCESS BY TRUCK, BRIDGE OUT ~ 450m FROM CRIBS. STRUCTURE SHOULD BE LIFTED. PICKUP QUESTIONABLE.							
PROFESSIONAL ENGINEER TO COMPLETE THIS SECTION							
Current Load Rating GVW (tonnes):			Date of Next Inspection				
Condemn			Not applicable				
Reviewed by - PE's Name (print)		Date Reviewed (yyyy/mm/dd)					
MNRO		G. Dohm		2010/12/01			
Comments Close bridge by barricades or remove bridge.							



CK2180 From downstream2



CK2180 Right to left



CK2180 From downstream



CK2180 Left to right



CK2180 Rotten stringer3



CK2180 Undermined crib left abutment



CK2180 Rotten stringer2



CK2180 Rotten stringer4



CK2180 Right abutment



CK2180 Rotten stringer



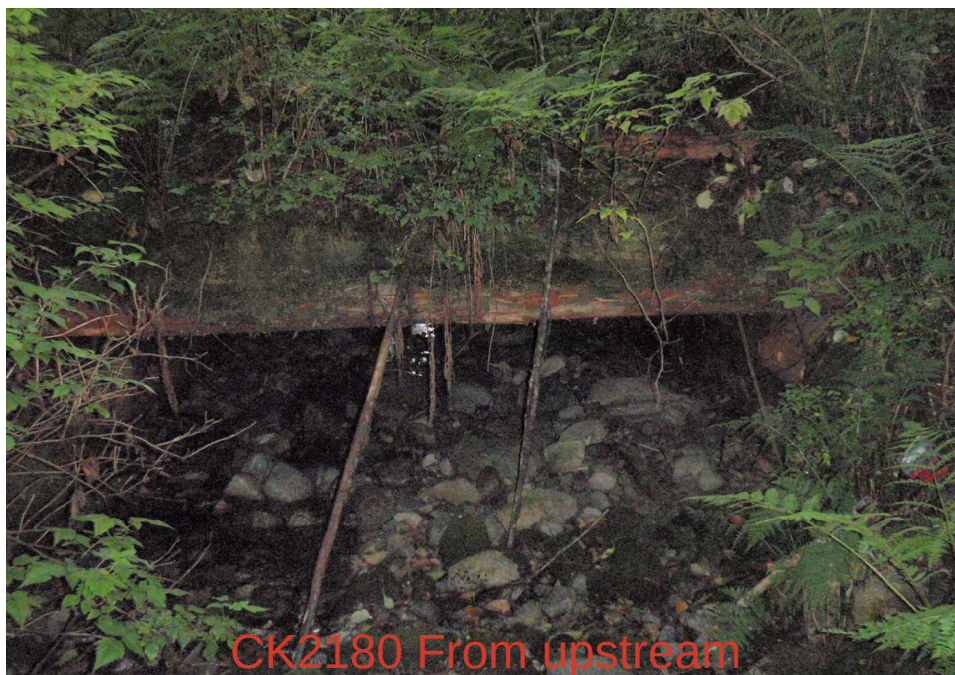
CK2180 Left abutment



CK2180 Right abutment2



CK2180 From upstream2



CK2180 From upstream

BC Ministry of
Forests and Range

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

GENERAL	
*Structure #	*Site #: CK-2183
*Type/Class: ☒ Permanent Bridge ☐ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: LOST NORTH	Kilometres: 301
*Project File ID#: 8466	*Br. 07
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): (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

★
Aug 11

2183



BC Ministry of
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Bridge Register Structure Inventory Data Form BRIDGES

STRUCTURAL DETAILS						
Number of Spans: /		Needle Beams? ☐ Yes ☒ No				
Length of Spans (m) [e.g. for a 3-span bridge - 20, 35, 20] 8-1	Portable Structure? ☐ Yes ☒ No	Portable Superstructure Status: ☐ Installed ☐ Storage				
Portable Superstructure Storage Location:						
*Bridge Length (metres): 8-1	<table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top;"> *Superstructure: ☐ Compo Girders ☐ Concrete Cast in Place ☐ Concrete Slab Girders ☒ Log Stringer ☐ Rail Car ☐ Steel I-Beam ☐ Timber-Treated Stringers </td> <td style="vertical-align: top;"> ☐ Concrete Box Beam ☐ Concrete I/T Beam ☐ Glulam Girder ☐ Other ☐ Steel Box Beam ☐ Steel Truss/Bailey/Acrow ☐ Timber-Untreated Stringers </td> </tr> </table>			*Superstructure: ☐ Compo Girders ☐ Concrete Cast in Place ☐ Concrete Slab Girders ☒ Log Stringer ☐ Rail Car ☐ Steel I-Beam ☐ Timber-Treated Stringers	☐ Concrete Box Beam ☐ Concrete I/T Beam ☐ Glulam Girder ☐ Other ☐ Steel Box Beam ☐ Steel Truss/Bailey/Acrow ☐ Timber-Untreated Stringers	
*Superstructure: ☐ Compo Girders ☐ Concrete Cast in Place ☐ Concrete Slab Girders ☒ Log Stringer ☐ Rail Car ☐ Steel I-Beam ☐ Timber-Treated Stringers	☐ Concrete Box Beam ☐ Concrete I/T Beam ☐ Glulam Girder ☐ Other ☐ Steel Box Beam ☐ Steel Truss/Bailey/Acrow ☐ Timber-Untreated Stringers					
<table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top;"> *Deck Type: ☐ Concrete ☐ Concrete Removable ☐ Other ☐ Steel Free ☐ Timber-Treated Panels ☐ Timber-Untreated Panels </td> <td style="vertical-align: top;"> ☐ Concrete Composite ☒ Gravel ☐ Steel ☐ Timber-Treated ☐ Timber-Untreated </td> </tr> </table>		*Deck Type: ☐ Concrete ☐ Concrete Removable ☐ Other ☐ Steel Free ☐ Timber-Treated Panels ☐ Timber-Untreated Panels	☐ Concrete Composite ☒ Gravel ☐ Steel ☐ Timber-Treated ☐ Timber-Untreated	*Deck Width (metres):		
*Deck Type: ☐ Concrete ☐ Concrete Removable ☐ Other ☐ Steel Free ☐ Timber-Treated Panels ☐ Timber-Untreated Panels	☐ Concrete Composite ☒ Gravel ☐ Steel ☐ Timber-Treated ☐ Timber-Untreated					
<table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top;"> *Running Surface: ☐ Anti-Skid ☒ N/A </td> <td style="vertical-align: top;"> ☐ Asphalt ☐ Timber Planks </td> <td style="vertical-align: top;"> ☐ Concrete ☐ Gravel </td> </tr> </table>				*Running Surface: ☐ Anti-Skid ☒ N/A	☐ Asphalt ☐ Timber Planks	☐ Concrete ☐ Gravel
*Running Surface: ☐ Anti-Skid ☒ N/A	☐ Asphalt ☐ Timber Planks	☐ Concrete ☐ Gravel				
<table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top;"> *Left Abutment: ☐ Binwall ☐ Concrete Cast in Place ☐ Concrete Lock Blocks ☐ Concrete Precast ☒ Crib, Log or Timber ☐ Other ☐ Pile-Temporary Materials ☐ Pile-Permanent Materials ☐ Sill-Permanent Materials ☐ Sill-Temporary Materials ☐ Steel Pipe & Precast Pat </td> <td style="vertical-align: top;"> *Right Abutment: ☐ Binwall ☐ Concrete Cast in Place ☐ Concrete Lock Blocks ☐ Concrete Precast ☒ Crib, Log or Timber ☐ Other ☐ Pile-Temporary Materials ☐ Pile-Permanent Materials ☐ Sill-Permanent Materials ☐ Sill-Temporary Materials ☐ Steel Pipe & Precast Pat </td> </tr> </table>		*Left Abutment: ☐ Binwall ☐ Concrete Cast in Place ☐ Concrete Lock Blocks ☐ Concrete Precast ☒ Crib, Log or Timber ☐ Other ☐ Pile-Temporary Materials ☐ Pile-Permanent Materials ☐ Sill-Permanent Materials ☐ Sill-Temporary Materials ☐ Steel Pipe & Precast Pat	*Right Abutment: ☐ Binwall ☐ Concrete Cast in Place ☐ Concrete Lock Blocks ☐ Concrete Precast ☒ Crib, Log or Timber ☐ Other ☐ Pile-Temporary Materials ☐ Pile-Permanent Materials ☐ Sill-Permanent Materials ☐ Sill-Temporary Materials ☐ Steel Pipe & Precast Pat			
*Left Abutment: ☐ Binwall ☐ Concrete Cast in Place ☐ Concrete Lock Blocks ☐ Concrete Precast ☒ Crib, Log or Timber ☐ Other ☐ Pile-Temporary Materials ☐ Pile-Permanent Materials ☐ Sill-Permanent Materials ☐ Sill-Temporary Materials ☐ Steel Pipe & Precast Pat	*Right Abutment: ☐ Binwall ☐ Concrete Cast in Place ☐ Concrete Lock Blocks ☐ Concrete Precast ☒ Crib, Log or Timber ☐ Other ☐ Pile-Temporary Materials ☐ Pile-Permanent Materials ☐ Sill-Permanent Materials ☐ Sill-Temporary Materials ☐ Steel Pipe & Precast Pat					
Comments: STRUCTURE 80% PLUGGED w/ DEBRIS + CWD. THE CHANNEL HAS SLIGHTLY AGGRAVATED, BUT COULD BECOME POTENTIALLY WORSE AS CWD IS HOLDING BACK DEBRIS.						

FS1344 HTH 08/06

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

(enter either long/lat or UTM - not both)

Site #	CK2183	Structure #	
FSR Name	LOST NORTH	User km	3.1
Project File ID	8466	Branch	07
Longitude: (ddd / mm / ss.s)	49 21 44.6	OR	UTM Zone
Latitude: (ddd / mm / ss.s)	122 11 13.7		UTM Easting
			UTM Northing

LEFT/RIGHT APPROACHES (as seen facing downstream) E = excellent; G = good; F = fair; P = poor; N/A = not appl.

Item	Present Condition (circle or fill-in)	Comments (a comment is mandatory if condition "Poor" is selected)
Alignment	E G (F) P	
Bridge Ahead Signs Missing	0 1 (2)	
Brushing Required	(Yes) No	MAJOR BRUSHING REQUIRED
Delinicator Missing Left	0 1 (2)	
Delinicator Missing Right	0 1 (2)	
Fender Condition	E G F (None)	
Posted Load Rating (tonnes)	—	NOT POSTED
Road Surface	E G F (P)	ROAD BADLY EXPOSED TO THE WEATHER

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)	
Tie-backs	E G F P (N/A)	
Bin Wall	E G F P (N/A)	
Precast Concrete	E G F P (N/A)	
Caps or Sills	E G F (P)	SINGLE SILLS ROTTEN
Piles or Posts	E G F P (N/A)	
Ballast Wall	E (G) F P	
Wing Wall	E G F P (N/A)	
Bracing	E G F P (N/A)	
Hardware	E G F P (N/A)	
Fill	E G (F) P	80CM OF FILL
Riprap	E G F (P) N/A	LEFT ABUTMENT SCOURING
Bearings	E G F (P)	ROTTEN SILL
Corrosion Protection	E G F P (N/A)	

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	E G (F) P	ROAD LEADING TO FALLSING BADLY WEARED IN PLACES
Running Planks	E G F P (N/A)	
Sub-deck	E G F P (N/A)	
Ties	E G F P (N/A)	
Nails	E G F P (N/A)	
Deck to Girder Bolts	E G F P (N/A)	
Concrete Deck	E G F P (N/A)	
Grout Pockets	E G F P (N/A)	
Deck Joints	E G F P (N/A)	
Anti-skid Surface	E G F P (N/A)	
Gravel Surface	E G F P (N/A)	
Curb Rail/Blocks/Posts	E G F (P)	NO CURBS
Handrails/Walkouts	E G F P (N/A)	
Hardware	E G F (P) N/A	SHIMMERS BADLY LACKED
Overall Deck Condition	E G F (P)	

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

GENERAL INFORMATION							
Site # <u>CK-2183</u>				Structure #			
SUPERSTRUCTURE (stringers numbered from upstream side of bridge)							
Item		Present Condition (circle)		Comments (a comment is mandatory if condition "Poor" is selected)			
Log Curbs		E G F P <u>N/A</u>		<u>NO CURBS LOGS</u>			
Needle Beams and Shims		E G F P <u>N/A</u>		<u>N1 NEEDLE BEAM</u>			
Stringer #	Species	Peel? (circle)	Diameter (mm) or Width x Depth (mm x mm)	Rot Depth Bottom (mm)	Rot Depth Side (mm)	Rot Depth Top (mm)	Comments
1	CW	Y <u>N</u>	1030				ROTTEN.
2	CW	Y <u>N</u>	770				ATTEN
3	—	Y <u>N</u>	—				} CANT ACCESS DUE TO DEBRIS JAM.
4	—	Y <u>N</u>	—				
5	FD?	Y <u>N</u>	820				} ROTTEN
6	"	Y <u>N</u>	950				
7	"	Y <u>N</u>	820				} L=8m
8	"	Y <u>N</u>	770				
9	"	Y <u>N</u>	820				} Gravel=?
10	"	Y <u>N</u>	860				
CHANNEL							
Est. Present Water Level Depth (m)		<u>0</u>		Est. Present Water Level Width (m)		<u>0</u>	
				Est. High Water Level Clearance (m)		<u>0.2</u>	
HAZARDS (circle yes or no for each item)							
High Water? <u>(Yes)</u> No		Scour? Yes <u>(No)</u>		Ice? Yes No		Debris? <u>(Yes)</u> No	
Aggradation? <u>(Yes)</u> No		Comments <u>80% OF INLET BLOCKED. CHANNEL WILL CONTINUE TO AGGRADE DUE TO BLOCKED INLET.</u>					
REPAIRS (H = High, M = Medium, L = Low)							
#	Priority (circle)	Estimate (\$)	Description				
1	<u>(H)</u> M L		CLEAN INLET OF CROSSING. DEBRIS + CWB HAS 80% OF INLET BLOCKED.				
2	H M L						
3	H M L						
ITEMS TO MONITOR							
#	Description						
1							
2							
PHOTO LOG							
Photo #	Description	Photo #	Description				
	LEFT TO RIGHT ROAD EROSION		DEBRIS JAM X 4				
	RIGHT TO LEFT FROM UPSTREAM		RISK GRASSHOPPER X Y				
			LEFT ABUT.				
			RIGHT ABUT.				
INSPECTOR TO COMPLETE THIS SECTION							
As-built Drawings Checked? Yes <u>No</u>		P Eng Inspection Required? Yes <u>No</u>					
Date of Inspection (yyyy/mm/dd)		<u>2010-08-11</u>					
Inspection Company Name <u>On Site Engineering Ltd.</u>		Inspector's Name (print) <u>Ali Sadeghi</u>					
Inspector's Signature <u>[Signature]</u>							
Comments <u>L-S DUE TO MANY ROTTEN STRINGER. CONSIDER REMAINING STRUCTURE.</u>							
PROFESSIONAL ENGINEER TO COMPLETE THIS SECTION							
Current Load Rating GVW (tonnes): <u>condemn</u>		Date of Next Inspection <u>not applicable</u>					
Reviewer Company Name <u>MNRO</u>		Reviewed by - P Eng's Name (print) <u>G. Dohm</u>					
Re: <u>[Signature]</u>		Date Reviewed (yyyy/mm/dd) <u>2010/12/02</u>					
Comments <u>Close bridge by barricades or remove bridge.</u>							



CK2183 From downstream



CK2183 Right abutment



CK2183 Rotten stringer3



CK2183 From downstream2



CK2183 Rotten stringer



CK2183 Left abutment



CK2183 Debris jam2



CK2183 Rotten stringer2





CK2183 Debris deposit



CK2183 Left to right



CK2183 From upstream



BC Ministry of
Forests and Range

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

GENERAL	
*Structure #	*Site #: CK-2186
*Type/Class: ☒ Permanent Bridge ☐ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: MOUNT KETILSON	Kilometres: 0.3
*Project File ID#: 8466	*Br. 01
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

CK 2186

ACTIVE

BC Ministry of
Forests and Range

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Bridge Register Structure Inventory Data Form BRIDGES

STRUCTURAL DETAILS

Number of Spans: /		Needle Beams? ☐ Yes ☒ No	
Length of Spans (m) [e.g. for a 3-span bridge - 20, 35, 20] 16 3	Portable Structure? ☐ Yes ☒ No	Portable Superstructure Status: ☐ Installed ☐ Storage	
Portable Superstructure Storage Location:			
*Bridge Length (metres): 15 7	*Superstructure: ☐ Compo Girders ☐ Concrete Box Beam ☐ Concrete Cast in Place ☐ Concrete I/T Beam ☐ Concrete Slab Girders ☐ Glulam Girder ☐ Log Stringer ☐ Other ☐ Rail Car ☐ Steel Box Beam ☒ Steel I-Beam ☐ Steel Truss/Bailey/Acrow ☐ Timber-Treated Stringers ☐ Timber-Untreated Stringers		
*Deck Type: ☐ Concrete ☐ Concrete Composite ☒ Concrete Removable ☐ Gravel ☐ Other ☐ Steel ☐ Steel Free ☐ Timber-Treated ☐ Timber-Treated Panels ☐ Timber-Untreated ☐ Timber-Untreated Panels		*Deck Width (metres): 4 9	
*Running Surface: ☐ Anti-Skid ☐ Asphalt ☐ Concrete ☐ Gravel ☒ N/A ☐ Timber Planks			
*Left Abutment: ☐ Binwall ☐ Concrete Cast in Place ☐ Concrete Lock Blocks ☐ Concrete Precast ☒ Crib, Log or Timber ☐ Other ☐ Pile-Temporary Materials ☐ Pile-Permanent Materials ☐ Sill-Permanent Materials ☐ Sill-Temporary Materials ☐ Steel Pipe & Precast Pat		*Right Abutment: ☐ Binwall ☐ Concrete Cast in Place ☐ Concrete Lock Blocks ☐ Concrete Precast ☒ Crib, Log or Timber ☐ Other ☐ Pile-Temporary Materials ☐ Pile-Permanent Materials ☐ Sill-Permanent Materials ☐ Sill-Temporary Materials ☐ Steel Pipe & Precast Pat	
Comments:			

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

GENERAL INFORMATION		(enter either long/lat or UTM - not both)		
Site #	CK - 2186	Structure #		
FSR Name	MOUNT KEITLEY	User km	0.3	Project File ID 8466 Branch 10
Longitude: (ddd / mm / ss.s)	119 23 48.1	OR	UTM Zone	UTM Easting
Latitude: (ddd / mm / ss.s)	122 13 21.4			UTM Northing
LEFT/RIGHT APPROACHES (as seen facing downstream) E = excellent; G = good; F = fair; P = poor; N/A = not appl.				
Item	Present Condition (circle or fill-in)	Comments (a comment is mandatory if condition "Poor" is selected)		
Alignment	E G <u>(F)</u> P			
Bridge Ahead Signs Missing	0 1 <u>(2)</u>			
Brushing Required	<u>(Yes)</u> No	MAJOR BRUSHING		
Delineator Missing Left	<u>(0)</u> 1 2			
Delineator Missing Right	<u>(0)</u> 1 2	UPSTREAM LEFT APPROACH DELINEATOR		
Fender Condition	E <u>(G)</u> F P None	NO POST BARRIERS		
Posted Load Rating (tonnes)		NOT POSTED		
Road Surface	E G <u>(F)</u> P			
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 <u>(F)</u> P N/A	50-100mm OF SAP ROT ON OLD CRIB = 2X CLOSED FACE		
Tie-backs	E G <u>(F)</u> P N/A	2X LOG TIE-BACKS → OLD		
Bin Wall	E G F P <u>(N/A)</u>			
Precast Concrete	E G F P <u>(N/A)</u>			
Caps or Sills	E G <u>(F)</u> P	TIMBER X2 BUTTED TOGETHER ON RIGHT ABUT.		
Piles or Posts	E G F P <u>(N/A)</u>			
Ballast Wall	E G <u>(F)</u> P	CONCRETE PRECAST		
Wing Wall	E G F P <u>(N/A)</u>			
Bracing	E G F P <u>(N/A)</u>			
Hardware	E <u>(G)</u> F P N/A			
Fill	E G <u>(F)</u> P	SMALL PITHUSE.		
Riprap	E <u>(G)</u> F P N/A			
Bearings	E G <u>(F)</u> P	OLD CRIB.		
Corrosion Protection	E G F P <u>(N/A)</u>			
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	E G <u>(F)</u> P			
Running Planks	E G F P <u>(N/A)</u>			
Sub-deck	E G F P <u>(N/A)</u>			
Ties	E G F P <u>(N/A)</u>			
Nails	E G F P <u>(N/A)</u>			
Deck to Girder Bolts	E <u>(G)</u> F P N/A			
Concrete Deck	E G <u>(F)</u> P N/A	SEALANT BETWEEN CONCRETE PANELS NO LONGER IN PLACE.		
Grout Pockets	E G F P <u>(N/A)</u>	DECK BEING INTRODUCED TO STREAM.		
Deck Joints	E G F <u>(P)</u> N/A	NEEDS SEALANT		
Anti-skid Surface	E G F P <u>(N/A)</u>			
Gravel Surface	E G F P <u>(N/A)</u>			
Curb Rail/Blocks/Posts	E G <u>(F)</u> P			
Handrails/Walkouts	E G F P <u>(N/A)</u>			
Hardware	E G F P <u>(N/A)</u>			
Overall Deck Condition	E G <u>(F)</u> P			

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

GENERAL INFORMATION			
Site # <u>2186</u>		Structure #	
SUPERSTRUCTURE			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Girders	E G F P	STEEL 1-BEAM x 2	
Diaphragms	E G F P (N/A)		
Bracing	E (G) F P N/A		
Under-trussing	E G F P (N/A)		
Hardware	E (G) F P N/A		
Cracks/Checks in Glulam Girders	E G F P (N/A)		
Concrete	E G F P (N/A)		
Shear Connectors	E G F P (N/A)		
Grout Pockets	E G F P N/A		
CHANNEL			
Est. Present Water Level Depth (m) <u>0.3</u>		Est. Present Water Level Width (m) <u>8.2</u>	Est. High Water Level Clearance (m) <u>1.2</u>
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 (H = High, M = Medium, L = Low)			
#	Priority (circle)	Estimate (\$)	Description
1	(H) M L		SEALANT BETWEEN PANNELS.
2	H M (L)		INSTALL DELWERTOR CORRECTLY
3	H M L		
ITEMS TO MONITOR			
#	Description		
1			
2			
PHOTO LOG			
Photo #	Description	Photo #	Description
	RIGHT TO LEFT		FROM DOWN STREAM
	RIGHT ABUT		LEFT TO RIGHT
	LEFT ABUT.		MISSING SEALANT
	FROM UPSTREAM		
INSPECTOR TO COMPLETE THIS SECTION			
As-built Drawings Checked? Yes (No)		P Eng Inspection Required? Yes (No)	Date of Inspection (yyyy/mm/dd)
Inspection Company Name <u>Onsite Engineering Ltd.</u>		Inspector's Name (print) <u>ALI SAEEDI</u>	Inspector's Signature <u>[Signature]</u>
Comments			
PROFESSIONAL ENGINEER (P Eng) TO COMPLETE THIS SECTION			
Current Load Rating GVW (tonnes):		Date of Next inspection	
Reviewer Company Name <u>MNRO</u>	Reviewed by - P Eng's Name (print) <u>G. Dohm</u>	<u>[Signature]</u>	Date Reviewed (yyyy/mm/dd) <u>2010/12/02</u>
Comments			



CK2186 Left abutment



CK2186 Right to left



CK2186 From upstream



CK2186 Right abutment



CK2186 missing sealant



CK2186 From downstream



CK2186 Left to right



BC Ministry of
Forests and Range

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

GENERAL	
*Structure #	*Site #: CK-218P
*Type/Class: ☒ Permanent Bridge ☐ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: LOST BLACKLAK	Kilometres: 2.0
*Project File ID#: 8466	*Br. 11
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): (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

FS1344 HEG Aug 3, 2010

Recommended that curbs be repaired/replaced.

Continue with 68 tonnes load rating. Inspect

again in 2012/09/01. Greg Dohm, PEng, 2010/12/02



CK2188 From downstream



CK2188 Right to left



CK2188 From upstream



CK2188 Left to right



CK2188 Damage rail



CK2188 Right abutment



CK2188 Debris deposit at upstream



CK2188 Left abutment

CK-2189

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Bridge Register Structure Inventory Data Form BRIDGES

STRUCTURAL DETAILS

Number of Spans:

1

Needle Beams?

☐ Yes☒ NoLength of Spans (m)
[e.g. for a 3-span bridge
- 20, 35, 20]

14.5

Portable Structure?

☐ Yes☒ NoPortable Superstructure
Status:☐ Installed☐ Storage

Portable Superstructure Storage Location:

*Bridge Length
(metres):

14.5

*Superstructure:

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

*Deck Type:

☒ Concrete☐ Concrete Removable☐ Other☐ Steel Free☐ Timber-Treated Panels☐ Timber-Untreated Panels☐ Concrete Composite☐ Gravel☐ Steel☐ Timber-Treated☐ Timber-Untreated

*Deck Width (metres):

4.3

*Running Surface:

☐ Anti-Skid☐ Asphalt☐ Concrete☐ Gravel☒ N/A☐ Timber Planks

*Left Abutment:

☐ Binwall☐ Concrete Cast in Place☐ Concrete Lock Blocks☒ Concrete Precast☐ Crib, Log or Timber☐ Other☐ Pile-Temporary Materials☐ Pile-Permanent Materials☐ Sill-Permanent Materials☐ Sill-Temporary Materials☐ Steel Pipe & Precast Pat

*Right Abutment:

☐ Binwall☐ Concrete Cast in Place☐ Concrete Lock Blocks☒ Concrete Precast☐ Crib, Log or Timber☐ Other☐ Pile-Temporary Materials☐ Pile-Permanent Materials☐ Sill-Permanent Materials☐ Sill-Temporary Materials☐ Steel Pipe & Precast Pat

Comments:

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

(enter either long/lat or UTM - not both)

Site #	CK2189	Structure #	
FSR Name	LOST - BLACK LAK	User km	2.0
Project File ID	8466	Branch	11
Longitude: (ddd / mm / ss.s)	49 24 17.4	OR	
Latitude: (ddd / mm / ss.s)	122 12 20.8	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.

Item	Present Condition (circle or fill-in)	Comments (a comment is mandatory if condition "Poor" is selected)
Alignment	E <u>(G)</u> F P	
Bridge Ahead Signs Missing	0 1 <u>(2)</u>	
Brushing Required	<u>(Yes)</u> No	
delineator Missing Left	0 <u>(1)</u> 2	
delineator Missing Right	0 <u>(1)</u> 2	INSTALLED WOODEN
Fender Condition	E <u>(G)</u> F P None	NO POST BARRIERS
Posted Load Rating (tonnes)	—	NOT POSTED
Road Surface	E G <u>(F)</u> P	

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>	
Tie-backs	E G F P <u>(N/A)</u>	
Bin Wall	E G F P <u>(N/A)</u>	CONCRETE
Precast Concrete	E <u>(G)</u> F P N/A	PRECAST CAP + BALUST WALL
Caps or Sills	E <u>(G)</u> F P	CONCRETE CAP
Piles or Posts	E G F P <u>(N/A)</u>	NO VIS.
Ballast Wall	E <u>(G)</u> F P	
Wing Wall	E G F P <u>(N/A)</u>	
Bracing	E G F P <u>(N/A)</u>	
Hardware	E <u>(G)</u> F P N/A	
Fill	E <u>(G)</u> F P	
Riprap	E <u>(G)</u> F P N/A	
Bearings	E <u>(G)</u> F P	
Corrosion Protection	E G F P <u>(N/A)</u>	

Span 1 of ____ (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	E G <u>(F)</u> P	
Running Planks	E G F P <u>(N/A)</u>	
Sub-deck	E G F P <u>(N/A)</u>	
Ties	E G F P <u>(N/A)</u>	
Nails	E G F P <u>(N/A)</u>	
Deck to Girder Bolts	E G F P <u>(N/A)</u>	
Concrete Deck	E G <u>(F)</u> P N/A	5 x SLAB GIRDERS
Grout Pockets	E G F P <u>(N/A)</u>	
Deck Joints	E G F P <u>(N/A)</u>	
Anti-skid Surface	E G F P <u>(N/A)</u>	
Gravel Surface	E G F P <u>(N/A)</u>	
Curb Rail/Blocks/Posts	E G F <u>(P)</u>	
Handrails/Walkouts	E G F P N/A	ROTTEN + NEED REPLACING.
Hardware	E G <u>(F)</u> P N/A	
Overall Deck Condition	E G <u>(F)</u> P	

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

GENERAL INFORMATION			
Site # <u>OK-2189</u>		Structure #	
SUPERSTRUCTURE			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Girders	E <u>(G)</u> F P	5x CONCR. SLAB GIRDERS	
Diaphragms	E G F P <u>(N/A)</u>		
Bracing	E G F P <u>(N/A)</u>		
Under-bracing	E G F P <u>(N/A)</u>		
Hardware	E G F P <u>(N/A)</u>		
Cracks/Checks in Glulam Girders	E G F P <u>(N/A)</u>		
Concrete	E <u>(G)</u> F P <u>(N/A)</u>		
Shear Connectors	E <u>(G)</u> F P <u>(N/A)</u>		
Grout Pockets	E G F P <u>(N/A)</u>		
CHANNEL			
Est. Present Water Level Depth (m)	<u>0.4</u>	Est. Present Water Level Width (m)	<u>3.0</u>
		Est. High Water Level Clearance (m)	<u>1.2</u>
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 <u>EVIDENCE OF RECENT DEBRIS DEPOSIT ON BRIDGE</u>			
REPAIRS (H = High, M = Medium, L = Low)			
#	Priority (circle)	Estimate (\$)	Description
1	H M <u>(L)</u>		REPLACE ROTTEN RAILS.
2	H M L		
3	H M L		
ITEMS TO MONITOR			
#	Description		
1	<u>ACTIVE CHANNEL. HIGH CIRCULAR OF DEBRIS TRANSPORT POTENTIAL</u>		
2			
PHOTO LOG			
Photo #	Description	Photo #	Description
	<u>LEFT TO RIGHT</u>		<u>LEFT ABUT.</u>
	<u>RIGHT TO LEFT.</u>		<u>FROM DOWN STREAM</u>
	<u>FROM UP STREAM</u>		<u>DAMAGED RAIL X3</u>
	<u>RIGHT ABUT.</u>		<u>DEBRIS DEPOSIT.</u>
INSPECTOR TO COMPLETE THIS SECTION			
As-built Drawings Checked? Yes <u>(No)</u>	P Eng Inspection Required? Yes <u>(No)</u>	Date of Inspection (yyyy/mm/dd) <u>2011-08-10</u>	
Inspection Company Name <u>Engring Ltd.</u>	Inspector's Name (print) <u>Ali Salegh</u>	Inspector's Signature <u>[Signature]</u>	
Comments			
PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION			
Current Load Rating GVW (tonnes): <u>68</u>	Date of Next Inspection <u>2013/09/01</u>		
Reviewer Company Name <u>MNRO</u>	Reviewed by - PEng's Name (print) <u>G. Dohm</u>	Reviewed by - PEng's Signature <u>[Signature]</u>	Date Reviewed (yyyy/mm/dd) <u>2010/12/02</u>
Comments			



CK2189 rail insect damage



CK2189 Left to right



CK2189 Rotten rail



CK2189 Right to left



CK2189 Left abutment



CK2189 From upstream



CK2189 From downstream



CK2189 Right abutment



CK2189 Debris deposit1



CK2189 Debris deposit 2

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

GENERAL	
*Structure #	*Site #: CK-2190
*Type/Class: ☒ Permanent Bridge ☐ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: L6ST - BLACKLOCK	Kilometres: 2.2
*Project File ID#: B466	*Br. 11
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): (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-2190

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Bridge Register Structure Inventory Data Form BRIDGES

STRUCTURAL DETAILS			
Number of Spans: <u>1</u>		Needle Beams? ☐ Yes ☒ No	
Length of Spans (m) [e.g. for a 3-span bridge - 20, 35, 20] <u>9.1</u>	Portable Structure? ☐ Yes ☒ No	Portable Superstructure Status: ☐ Installed ☐ Storage	
Portable Superstructure Storage Location:			
*Bridge Length (metres): <u>9.1</u>	*Superstructure: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> ☐ Compo Girders ☐ Concrete Cast in Place ☒ Concrete Slab Girders ☐ Log Stringer ☐ Rail Car ☐ Steel I-Beam ☐ Timber-Treated Stringers </div> <div style="width: 50%;"> ☐ Concrete Box Beam ☐ Concrete I/T Beam ☐ Glulam Girder ☐ Other ☐ Steel Box Beam ☐ Steel Truss/Bailey/Acrow ☐ Timber-Untreated Stringers </div> </div>		
*Deck Type: ☒ Concrete ☐ Concrete Removable ☐ Other ☐ Steel Free ☐ Timber-Treated Panels ☐ Timber-Untreated Panels		*Deck Width (metres): <u>4.3</u>	
*Running Surface: ☐ Anti-Skid ☐ Asphalt ☐ Concrete ☐ Gravel ☒ N/A ☐ Timber Planks			
*Left Abutment: ☐ Binwall ☐ Concrete Cast in Place ☐ Concrete Lock Blocks ☒ Concrete Precast ☐ Crib, Log or Timber ☐ Other ☐ Pile-Temporary Materials ☐ Pile-Permanent Materials ☐ Sill-Permanent Materials ☐ Sill-Temporary Materials ☐ Steel Pipe & Precast Pat		*Right Abutment: ☐ Binwall ☐ Concrete Cast in Place ☐ Concrete Lock Blocks ☒ Concrete Precast ☐ Crib, Log or Timber ☐ Other ☐ Pile-Temporary Materials ☐ Pile-Permanent Materials ☐ Sill-Permanent Materials ☐ Sill-Temporary Materials ☐ Steel Pipe & Precast Pat	
Comments:			

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

(enter either long/lat or UTM - not both)

Site #	CK-2490	Structure #	
FSR Name	LOST - BLACKLOCK	User km	2.2
Project File ID	8466	Branch	11
Longitude: (ddd / mm / ss.s)	49 24 18.4	OR	
Latitude: (ddd / mm / ss.s)	122 12 22.7	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.

Item	Present Condition (circle or fill-in)	Comments (a comment is mandatory if condition "Poor" is selected)
Alignment	E (G) F P	
Bridge Ahead Signs Missing	0 1 (2)	
Brushing Required	(Yes) No	
Delineator Missing Left	0 (1) 2	ALL DELINEATORS MISSING ON LEFT APPROACH.
Delineator Missing Right	0 (1) 2	
Fender Condition	E G F (P) None	LEFT APPROACH EITHER INSTALLED POORLY OR SLID DOWN STEEP FULL SLOPE.
Posted Load Rating (tonnes)		
Road Surface	E G (F) P	

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)	
Tie-backs	E G F P (N/A)	
Bin Wall	E G F P (N/A)	
Precast Concrete	E (G) F P (N/A)	PRECAST CONCRETE SLAB + BALLAST WALL COMBO
Caps or Sills	E (G) F P	
Piles or Posts	E G F P (N/A)	NOT VIS.
Ballast Wall	E (G) F P	
Wing Wall	E G F P (N/A)	
Bracing	E G F P (N/A)	
Hardware	E (G) F P (N/A)	
Fill	E (G) F P	
Riprap	E G (F) P (N/A)	
Bearings	E (G) F P	
Corrosion Protection	E G F P (N/A)	

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	E G (F) P	3X CONCRETE SLAB GIRDERS
Running Planks	E G F P (N/A)	
Sub-deck	E G F P (N/A)	
Ties	E G F P (N/A)	
Nails	E G F P (N/A)	
Deck to Girder Bolts	E G F P (N/A)	
Concrete Deck	E G (F) P (N/A)	3X SLAB GIRDER
Grout Pockets	E G F P (N/A)	
Deck Joints	E G F P (N/A)	
Anti-skid Surface	E G F P (N/A)	
Gravel Surface	E G F P (N/A)	
Curb Rail/Blocks/Posts	E G (F) P	SAME AS LEFT APPROACH.
Handrails/Walkouts	E G F P (N/A)	
Hardware	E G (F) P (N/A)	
Overall Deck Condition	E G (F) P	

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

GENERAL INFORMATION			
Site # <u>2190</u>		Structure #	
SUPERSTRUCTURE			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Girders	E G <u>(P)</u> N/A	3x CONCRETE SLAB GIRDERS	
Diaphragms	E G F P <u>(N/A)</u>		
Bracing	E G F P <u>(N/A)</u>		
Under-Bracing	E G F P <u>(N/A)</u>		
Hardware	E G F P <u>(N/A)</u>		
Cracks/Checks in Glulam Girders	E G F P <u>(N/A)</u>		
Concrete	E G <u>(P)</u> N/A		
Shear Connectors	E G <u>(P)</u> N/A		
Grout Pockets	E G F P <u>(N/A)</u>		
CHANNEL			
Est. Present Water Level Depth (m) <u>0.1</u>		Est. Present Water Level Width (m) <u>2</u>	Est. High Water Level Clearance (m) <u>1.2</u>
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 <u>ACTIVE CHANNEL WITH HIGH LIKELYHOOD OF DEBRIS TRANSPORT POTENTIAL.</u>			
REPAIRS (H = High, M = Medium, L = Low)			
#	Priority (circle)	Estimate (\$)	Description
1	<u>(H)</u> M L		DELIMITERS
2	<u>(H)</u> M L		NARROW STRUCTURE SIGNALS.
3	H M L		
ITEMS TO MONITOR			
#	Description		
1	<u>RAILS ARE IN POOR CONDITION WITH SECTIONS WITH INSECT DAMAGE</u>		
2			
PHOTO LOG			
Photo #	Description	Photo #	Description
	<u>LEFT TO RIGHT</u>		<u>FRONT OF STREAM</u>
	<u>RIGHT TO LEFT</u>		<u>FRONT ROAD SIGN</u>
	<u>RIGHT INSET</u>		<u>RAIL DAMAGE</u>
	<u>LEFT INSET</u>		<u>NO FOR RAILER PHOTO INSET</u>
INSPECTOR TO COMPLETE THIS SECTION			
As-built Drawings Checked? Yes <u>(No)</u>		P Eng Inspection Required? Yes <u>(No)</u>	Date of Inspection (yyyy/mm/dd) <u>2010-08-10</u>
Inspection Company Name		Inspector's Name (print) <u>Ali Sadeghi</u>	Inspector's Signature <u>[Signature]</u>
Comments			
PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION			
Current Load Rating GW (tonnes): <u>68</u>		Date of Next Inspection <u>2013/09/01</u>	
Reviewer Company Name <u>MNRO</u>	Reviewed by - PEng's Name (print) <u>G. Dohm</u>	Reviewed by - PEng's Signature <u>[Signature]</u>	Date Reviewed (yyyy/mm/dd) <u>2010/12/02</u>
Comments			



CK2190 No post barrier poor install



CK2190 Left to right



CK2190 No post barrier poor install 2



CK2190 Right to left





BC Ministry of
Forests and Range

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

GENERAL	
*Structure #	*Site #: CK-2191
*Type/Class: ☒ Permanent Bridge ☐ Temporary Bridge	Crossing Name:
*Forest District: Chilliwack	Management Area:
*Forest Service Road: LOST-BLACKLOCK	Kilometres: 2.5
*Project File ID#: 8466	*Br. 11
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

CK 2191

ATV ACCESS
ONLYBC Ministry of
Forests and Range

Page 2 of 2

Bridge Register Structure Inventory Data Form BRIDGES

STRUCTURAL DETAILS

Number of Spans:

1

Needle Beams?

☐ Yes☒ NoLength of Spans (m)
[e.g. for a 3-span bridge
- 20, 35, 20]

16.4

Portable Structure?

☐ Yes☒ NoPortable Superstructure
Status:☐ Installed☐ Storage**Portable Superstructure Storage Location:***Bridge Length
(metres):

16.4

*Superstructure:

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

*Deck Type:

☒ Concrete☐ Concrete Removable☐ Other☐ Steel Free☐ Timber-Treated Panels☐ Timber-Untreated Panels☐ Concrete Composite☐ Gravel☐ Steel☐ Timber-Treated☐ Timber-Untreated

*Deck Width (metres):

*Running Surface:

☐ Anti-Skid☐ Asphalt☒ Concrete☐ Gravel☒ N/A☐ Timber Planks

*Left Abutment:

☐ Binwall☐ Concrete Cast in Place☐ Concrete Lock Blocks☒ Concrete Precast☐ Crib, Log or Timber☐ Other☐ Pile-Temporary Materials☐ Pile-Permanent Materials☐ Sill-Permanent Materials☐ Sill-Temporary Materials☐ Steel Pipe & Precast Pat

*Right Abutment:

☐ Binwall☐ Concrete Cast in Place☐ Concrete Lock Blocks☒ Concrete Precast☐ Crib, Log or Timber☐ Other☐ Pile-Temporary Materials☐ Pile-Permanent Materials☐ Sill-Permanent Materials☐ Sill-Temporary Materials☐ Steel Pipe & Precast Pat

Comments:

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

GENERAL INFORMATION				(enter either long/lat or UTM - not both)						
Site #	CK-2191			Structure #						
FSR Name	LOST - BLACK CREEK			User km	2.5	Project File ID	B446	Branch	11	
Longitude: (ddd / mm / ss.s)	49 24 18.6			OR	UTM Zone	UTM Easting	UTM Northing			
Latitude: (ddd / mm / ss.s)	122 12 08.5									
LEFT/RIGHT APPROACHES (as seen facing downstream) E = excellent; G = good; F = fair; P = poor; N/A = not appl.										
Item	Present Condition (circle or fill-in)			Comments (a comment is mandatory if condition "Poor" is selected)						
Alignment	E	G	F	(P)	Pole vis. DUE TO VERTICAL ALIGNMENT					
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	No Post BARRIERS				
Posted Load Rating (tonnes)				NOT POSTED						
Road Surface	E	G	F	(P)	GRADING REQ.					
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)					
Tie-backs	E	G	F	P	(N/A)					
Bin Wall	E	G	F	P	(N/A)					
Precast Concrete	E	G	(F)	P	N/A	PRECAST CONCRETE CAP + BALLAST WALL COMBO				
Caps or Sills	E	G	(F)	P						
Piles or Posts	E	G	F	P	(N/A)	NOT VISIBLE				
Ballast Wall	E	G	(F)	P						
Wing Wall	E	G	F	P	(N/A)					
Bracing	E	G	F	P	(N/A)					
Hardware	E	G	(F)	P	N/A					
Fill	E	(G)	F	P						
Riprap	E	G	(F)	P	N/A					
Bearings	E	G	(F)	P						
Corrosion Protection	E	G	F	P	(N/A)					
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	E	G	(F)	P	7X CONCRETE SLAB, GIRDERS					
Running Planks	E	G	F	P	(N/A)					
Sub-deck	E	G	F	P	(N/A)					
Ties	E	G	F	P	(N/A)					
Nails	E	G	F	P	(N/A)					
Deck to Girder Bolts	E	G	F	P	(N/A)					
Concrete Deck	E	G	(F)	P	N/A	LARGE WINDY DEBRIS DEPOSITED ON DECK				
Grout Pockets	E	G	F	P	(N/A)					
Deck Joints	E	G	F	P	(N/A)					
Anti-skid Surface	E	G	F	P	(N/A)					
Gravel Surface	E	G	F	P	(N/A)					
Curb Rail/Blocks/Posts	E	G	F	(P)	ROTTEN + DAMAGED BY DEBRIS.					
Handrails/Walkouts	E	G	F	P	(N/A)					
Hardware	E	G	(F)	P	N/A					
Overall Deck Condition	E	G	(F)	P						

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

GENERAL INFORMATION			
Site # <u>CK-2191</u>		Structure #	
SUPERSTRUCTURE			
Item	Present Condition (circle)	Comments (a comment is mandatory if condition "Poor" is selected)	
Girders	E G P P	7x CONCRETE SLAB GIRDERS	
Diaphragms	E G F P N/A		
Bracing	E G F P N/A		
Under-bracing	E G F P N/A		
Hardware	E G F P N/A		
Cracks/Checks in Glulam Girders	E G F P N/A		
Concrete	E G F P N/A		
Shear Connectors	E G F P N/A		
Grout Pockets	E G F P N/A		
CHANNEL			
Est. Present Water Level Depth (m)	<u>0.2</u>	Est. Present Water Level Width (m)	<u>2.0</u>
		Est. High Water Level Clearance (m)	<u>0.5</u>
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 <u>HIGH DEBRIS TRANSPORT POTENTIAL IN CHANNEL.</u>			
REPAIRS (H = High, M = Medium, L = Low)			
#	Priority (circle)	Estimate (\$)	Description
1	H M L		REPAIR DAMAGED TIMBER RAIL.
2	H M L		CLEAN DEBRIS OFF SURFACE
3	H M L		INSTALL LARGE SUMP.
ITEMS TO MONITOR			
#	Description		
1			
2			
PHOTO LOG			
Photo #	Description	Photo #	Description
	<u>RIGHT TO LEFT</u>		<u>FROM UPSTREAM V2</u>
	<u>DEBRIS X3</u>		<u>DEBRIS UPSTREAM</u>
	<u>LEFT TO RIGHT</u>		<u>LEFT ABUT</u>
	<u>FROM DIS</u>		<u>RIGHT ABUT</u>
INSPECTOR TO COMPLETE THIS SECTION			
As-built Drawings Checked? Yes No	P Eng Inspection Required? Yes No	Date of Inspection (yyyy/mm/dd) <u>2010-08-10</u>	
Inspection Company Name <u>Onsite Engineering Ltd.</u>	Inspector's Name (print) <u>Ali Sadeghi</u>	Inspector's Signature <u>[Signature]</u>	
Comments			
PROFESSIONAL ENGINEER (PEng) TO COMPLETE THIS SECTION			
Current Load Rating GVW (tonnes): <u>68</u>	Date of Next Inspection <u>2013/09/01</u>		
Reviewer Company Name <u>MNRO</u>	Reviewed by - PEng's Name (print) <u>G. Dohm</u>	Reviewed by - PEng's Signature <u>[Signature]</u>	Date Reviewed (yyyy/mm/dd) <u>2010/12/02</u>
Comments			

FROM DIS
SPEC
PANEL DAMAGE
X2



CK2191 Left to right



CK2191 Right to left



CK2191 Debris deposit 3



CK2191 Debris deposit



CK2191 From upstream



CK2191 Debris deposit 2



CK2191 Debris deposit Upstream



CK2191 From downstream



CK2191 Right abutment



CK2191 From upstream2



CK2191 Panel damage



CK2191 Left abutment

