

ck 2394

BC Ministry of
Forests and Range

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Bridge Register Structure Inventory Data Form BRIDGES

TALKED TO OPERATOR DROVE UP ROAD ! NO BRIDGE

WHERE
MARKED ON
MAP. 1

STRUCTURAL DETAILS

Number of Spans:

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):

*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):

*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:

Map / Location

LOG / TIMBER STRINGER BRIDGE

Bridge Picture

Structure Number: Forest Service Road:

Km: Page: Of:

CK-2394

Harrison East

0.20

1

1

Crossing:

District

Span:

SBFEP/FRM:

Project Number:

Big Silver Creek

Chilliwack

0

BCTS

5748.02

Date of this M: 10 Date of Next M: 10 YEAR BUILT:

Inspection: Y: 2007 Inspection: Y: 2009 Bridge Class

Semi Permanent

Number of Spans:

1

NOTE: a) Spans, abutments and piers are numbered from the left bank, facing downstream; piles, posts, curbs and stringers are numbered from upstream of bridge. b) Use a separate sheet to sketch and detail problem area and/or materials required for repairs. c) CONDITION: 1 - Very Good (new); 2 - Good; 3 - Fair; 4 - Poor; 5 - Very Poor; 6 - N/A (not applicable)

Stream Classification:

BRIDGE ELEMENT	CONDITION	REMARKS
DECK	Running Planks	6 500mm gravel cover. Remark
	Ties	6 Remark
	Nails	6 Remark
	Curbs and Block	3 1000mm fir curb logs with 40mm sap rot. Upstream curb log has shifted outward re Remark
	Delineators	5 No delineators present. Remark

STRINGERS	Span Number:				Number of Stringers				Average Stringer Rot Depth For Wood Culvert (mm):				20		Stringer Comments
	1				8										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Diameter mm	760	1000	1000	1200	1100	1050	970	820							Sap rot recorded. Longitudinal cracks noted along the entire length of stringer #4; it appears that stringer #4 is no longer
Rot mm	20	20	20	20	20	20	25	10							
Species	Fd	Fd	Fd	Fd	Fd	Fd	Fd	Fd							

		CONDITION	REMARKS	
NEEDLE BEAM(S) SHIMS		5	2 fir needle beams, no access, shims and lashing loose, needle beams no longer fu	
PIERS	Caps	6		
	Piles or Posts	6		
	Concrete	6		
	Bracing or Sheat	6		
	Cribs	6		
	Hardware	6		
	Riprap	6		
	Overall	6		
ABUTMENTS	Cribs	3	Town side: 1000mm cedar sill log on bedrock, upstream corner supported	Remark
	Tie-backs	3	Town side/Bush side: 900mm average diameter tie-backs, 20mm sap rot.	Remark
	Caps or Sills	6		Remark
	Piles or Posts	6		Remark
	Concrete	6		Remark
	Bulkhead Planks	6		Remark
	Wing Wall Planks	6		Remark
	Bracing	6		Remark
	Hardware	6	No lashing or steel pins noted.	Remark
	Fill	3	Retaining fill adequately.	Remark
	Riprap	6	No riprap present.	Remark
	Overall	3		Remark
APPROACHES	5	Moderate potholes at approaches, heavily brushed in (CK-2394-a3). town	Remark	

PRESENT WATER LEVEL (m):	1.20	PRESENT WATER CLEARANCE	2.30	ESTIMATED HIGH WATER LEVEL (m):	2.7
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HAZARD(S) DESCRIPTION:

Estimated high water clearance is 600mm.

HAZARDS: High Water

Repair Required?	Yes
Professional Inspection Required?	No

REPAIR DESCRIPTIONS AND COST ESTIMATE:

Replace structure.

AS BUILT CHECKED?	No	NUMBER OF PICTURES TAKEN:	12	NARROW STRUCTURE SIGNS?	No	PRESENT POSTED RATING tonnes:	
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SUGGESTED REPLACEMENT: at new load rating: at original design load

Comments: NAD: GPS:

Based on the condition of stringer #4 and the fact that the needle beams are no longer functioning, the overall condition of this structure is poor. We recommend that the structure be replaced in the near future.

 INSPECTOR K.MacDonald DATE SIGNED: 03-Oct-07 NEW LOAD RATING tonnes:

 REVIEWED AND NOTED BY: RN DATE SIGNED:

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

GENERAL INFORMATION					(enter either long/lat or UTM - not both)		
Site #		Structure #		CK2394			
FSR Name		User km		Project File ID		Branch	
Longitude: (ddd / mm / ss.s)		OR		UTM Zone		UTM Easting	
Latitude: (ddd / mm / ss.s)						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)							
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 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						
Caps or Sills	E G F P						
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						
Riprap	E G F P N/A						
Bearings	E G F P						
Corrosion Protection	E G F P N/A						
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 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						
Curb Rail/Blocks/Posts	E G F P						
Handrails/Walkouts	E G F P N/A						
Hardware	E G F P N/A						
Overall Deck Condition	E G F P						