

QC-7833

QC_MOS1000 3.7km

2015 Inspection



CBR iPad Offline Ver 0.21

CBR Data

Latitude	Longitude		
53°4'5"	-132°11'6.3"		
Crossing Name	Jovo Creek		
FSR #	10247	Branch #	1
Road Name	QC_MOS1000		
User km	3.7		
Current Load Rating (tonnes)	30		
Structure Class	Temporary Bridge		
Portable	N		
Superstructure	Log Stringers		
Deck Type	Gravel		
Abutment Left	Crib, Log or Untreated Timber		
Abutment Right	Crib, Log or Untreated Timber		
Spans	1		
Total Length (m)	11		
Deck Width (m)	4.3		

Updated Data

Latitude	Longitude		
53°4'4.28"	-132°11'6.32"		
HD Diff. (m)	22.4	Accuracy (m)	10
4.5			

Inspection

Date of Inspection 2015-10-02 2:02:46 PM

Inspector Name Rick MacDonald

Inspection Company Chartwell Consultants Ltd.

Inspector Comments

Bridge is currently not accessible to traffic. A bridge has been removed which provides access to this structure.

P.Eng Comments

Load Rated By: MFLNRO, Richard Mills P.Eng., Dec 1, 2015

Load Rating: 5 tonnes

Next Inspection: Sept 1, 2017

Comments: Replace stringer 7 prior to industrial use. Pickup access only. Post load rating.

 A rectangular box intended for a Professional Engineer's seal, currently blank.

P.Eng Seal

Approach

Alignment Fair

Turn off right bank approach and abrupt raise in grade 10 m back.

 Bridge Ahead Signs
Missing 0 1 2

Brushing Required N

 Delineator Missing
Left 0 1 2

 Delineator Missing
Right 0 1 2

Fender Condition Good

guide logs

Posted Load Rating

Reduced load rating sign posted but load rating no indicated.

Road Surface Good

Abutment

Log/Timber Cribs Fair

Single sill logs embedded in stream bank. Some scour of fill below left bank at up stream end and at downstream end. Stream bank bedrock controlled below fill.

Tie Backs N/A

Bin Wall

Concrete

Caps or Sills

Piles or Posts

Ballast Wall Good

Log ballast walls

Wing Wall

Bracing

Hardware Good

Brow log cable lashing

Fill Good

Riprap Fair

Bedrock in lower part of stream bank on left side but insufficient riprap at inlet and outlet to protect from scour. Right bank is bedrock controlled.

Bearings

Corrosion Protection

Deck

Running Surface	Good	
Running Planks		
Sub Deck		
Ties		
Nails		
Deck to Girder Bolts		
Concrete Deck		
Grout Pockets		
Deck Joints		
Steel Deck Plate		
Gravel Surface	Good	
Curb Rail/Blocks/Posts	Good	Log curb rails
Hand Rails/Walkouts		
Hardware	Good	Centre span cable lashing
Overall Deck Condition	Good	
Gravel Depth (mm)	400	

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Steel/Concrete

Serial/ID Plate

Girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted
shear connectors**Log**

Log Curbs

Needle Beam

Needle Lashing/
Shimming

Stringer Number	Needle Beam to Crib (m)		Diameter (mm)	Needle Diameter (mm)		Comment
	Species	Peeled		Rot Depth (mm)	Condition	
1	Cw	N	700	0	Good	
2	Cw	N	700	0	Good	Monitor cat face at left bank end.
3	Cw	N	910	0	Good	
4	Cw	N	650	0	Good	
5	Cw	N	900	0	Good	
6	Cw	N	840	0	Good	
7	Cw	N	780	200	Poor	Rotted knot hole in stringer 3.2m from left
8	Cw	N	760	0	Good	

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Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	<input type="checkbox"/>	Debris	<input type="checkbox"/>
Estimated Present Water Level Width (m)	4.5	Aggradation	<input type="checkbox"/>	Scour	<input checked="" type="checkbox"/>
Estimated High Water Level Clearance (m)	1.8	Ice	<input type="checkbox"/>		

Comments Risk of scour on left stream bank.

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Post reduced load rating on sign.
2	High	Replace stringer #7
3	Medium	Add additional riprap along left bank.

Item	Monitor Description	Frequency
1	Monitor left stream bank for scour.	Routine Inspection
2		
3		

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Right Bank Abutment when facing downstream



Upstream Profile



Left Bank Abutment when facing downstream

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Downstream Profile



Approach from Right Bank when facing downstream