CK-2267	STAVE RIVER 19km	2015 Inspection

CBR iPad Offline Ver 0.21

CBR Data

Latitude	Longitude
49°32'37.89"	-122°17'42.4"

Crossing Name	Ole Creek
FSR #	8013
Branch #	1
Road Name	STAVE RIVER
User km	19
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)	13.5
Deck Width (m)	5

Updated Data

Latitude	Longitude
49°32'37.85"	-122°17'42.76"

HD Diff. (m)	7.4	Accuracy (m)	5

Inspection

Date of Inspection	2015-09-22 12:27:19 PM		
Inspector Name	Tyson Miller	Inspection Company	MFLNRO

Inspector Comments

P.Eng Comments

This structure has 2 layers of stringers and only the bottom layer can properly assessed. The top layer were added in 2012as a temporary measure in order to facilitate works at the time. The entire structure (crib logs, tiebacks and stringers) has further deteriorated since then. Because the top layer of stringers have not been properly inspected the structure remains down-rated. Present load rating of 30 tonnes to continue. Post load rating sign.

P.Eng Seal

Approach

Alignment	Fair	
Bridge Ahead Signs Missing	○ 0 ○ 1 ● 2	
Brushing Required	N	
Delineator Missing Left	● 0 ○ 1 ○ 2	
Delineator Missing Right	● 0 ○ 1 ○ 2	
Fender Condition	Poor	none
Posted Load Rating		not posted
Road Surface	Good	

Abutment

Log/Timber Cribs	Poor	3x left, 2x right-cracking and splitting top crib log on left bank
Tie Backs	Poor	rotting
Bin Wall	N/A	
Concrete	N/A	
Caps or Sills	N/A	
Piles or Posts	N/A	
Ballast Wall	N/A	
Wing Wall	N/A	
Bracing	N/A	
Hardware	Fair	
Fill	Fair	
Riprap	Poor	none
Bearings	Poor	undermined crib on left bank
Corrosion Protection	N/A	

Deck

Running Surface	N/A	
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	N/A	
Grout Pockets	N/A	
Deck Joints	N/A	
Steel Deck Plate	N/A	
Gravel Surface	Fair	
Curb Rail/Blocks/Posts	Fair	
Hand Rails/Walkouts	N/A	
Hardware	Poor	loose lashing
Overall Deck Condition	Fair	
Gravel Depth (mm)	200	

Steel/Concrete

Serial/ID Plate		
Girders		
Diaphragms		
Bracing		
Under Trussing		
Hardware	N/A	NA
Welded/grouted shear connectors		

Log

Log Curbs	Fair	
Needle Beam	Poor	loose
Needle Lashing/ Shimming	Poor	loose

Needle Beam to Crib (m) | Needle Diameter (mm)

Stringer Number	Species	Peeled	Diameter (mm)	Rot Depth (mm)	Condition	Comment
1	Cw	Y	760	150	Poor	sap and heart rot
2	Cw	Y	870	60	Fair	sap rot
3	Cw	Y	710	70	Fair	sap rot
4	Cw	Y	750	150	Poor	sap and heart rot
5	Cw	Y	820	100	Poor	sap and pocket rot
6	Cw	Y	770	50	Fair	sap rot
7	Cw	Y	670	60	Fair	sap rot

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Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	☒	Debris	☒
Estimated Present Water Level Width (m)	3.5	Aggradation	☒	Scour	☒
Estimated High Water Level Clearance (m)	0	Ice	☐		

Comments: can not see top stringer logs

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	dig up gravel deck and properly assess top stringers
2	High	post load rating sign
3		

Item	Monitor Description	Frequency
1	crib condition	Anually
2		
3		

Sketch
(Select Signature)

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Approach from Left Bank when facing downstream

Approach from Right Bank when facing downstream

exposed stringer at left approach

Left Bank Abutment when facing downstream

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Left Bank Abutment when facing downstream

tiebacks condition

left abutment top crib log cracking vertically and horizontally

needle beam - not functional

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Right Bank Abutment when facing downstream

Upstream Profile