

CK-2007

ANDERSON SEVEN 0.1km

2016 Inspection

CBR iPad Offline Ver 0.23 SNT



CBR Data

Latitude	Longitude		
49°43'35.5"	-121°21'52.4"		
Crossing Name	Anderson River		
FSR #	8074	Branch #	7
Road Name	ANDERSON SEVEN		
User km	0.1		
Current Load Rating (tonnes)	68		
Structure Class	Temporary Bridge		
Portable	N		
Superstructure	Steel I-beam		
Deck Type	Timber - Treated		
Abutment Left	Crib, Log or Untreated Timber		
Abutment Right	Crib, Log or Untreated Timber		
Spans	2		
Total Length (m)	27.4		
Deck Width (m)	4.3		

Updated Data

Latitude	Longitude		
49°43'36.17"	-121°21'51.03"		
HD Diff. (m)	34.3	Accuracy (m)	10
L45 or 41 tonnes			

Inspection

Date of Inspection 2016-07-22 1:27:10 PM

Inspector Name Jamie Rupar Gilliatt

Inspection Company SNT Engineering

Inspector Comments

Previous inspection report noted posting was increased from L45 to L75 with addition of pier, stiffeners, and diaphragm. With the removal of the pier the current posting should be reviewed to ensure the posting can increase from the design load of 41 tonnes to the current posting of 45 tonnes.

P.Eng Comments

Replace missing wear planks; place fender logs; install bridge ahead signs; grade approaches and brush. Monitor crib condition and bearing. Because the temporary pier has been removed the load rating is now reverted back to the original design rating of L45 or 41 tonnes.



13/01/2017

P.Eng Seal

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Approach

Alignment Fair

Horizontal curve.

Bridge Ahead Signs
Missing
☐ 0 ☐ 1 ☒ 2

Brushing Required Y

Delineator Missing
Left
☒ 0 ☐ 1 ☐ 2

Obscured by vegetation.

Delineator Missing
Right
☒ 0 ☐ 1 ☐ 2

Fender Condition Poor

Right end upstream guide log is rotten, no fenders at other corners of bridge.

Posted Load Rating 45

Road Surface Poor

Large potholes in both approaches.

Abutment

Log/Timber Cribs Fair

Log crib abutments only retain fill. 600-850 mm dia. logs. Up to 400 mm centre rot noted in larger logs. No signs of crushing or distress.

Tie Backs Fair

Centre rot noted in a number of logs, up to 50% log dia. No signs of crushing or distress.

Bin Wall N/A

Concrete N/A

Caps or Sills Fair

H beam.

Piles or Posts Fair

4 H piles at abutments.

Ballast Wall Fair

3 logs tied into log crib at each abutment. Up to 250 mm of centre rot noted in left abutment logs. No signs of crushing or distress.

Wing Wall Fair

Typical 10 mm sap wood rot. 400-800 mm dia. logs. Centre rot typically noted up to 400 mm. No signs of crushing or distress noted.

Bracing Fair

Hardware Good

Fill Fair

Left Abutment Upstream Corner: scour hole extending 300 mm behind base log extends 2.5 m along log. No sign of abutment movement.

Riprap Fair

Left bank erosion upstream of riprap. Does not affect bridge.

Bearings Unrated

No access due to unstable riprap. Previous inspection noted sheared off anchor bolts and recommended monitoring.

Corrosion Protection Fair

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Deck

Running Surface	Good	Large potholes in both approaches.
Running Planks	Fair	Running planks removed since previous inspection, leaving structural deck to form running surface. Localized wear with exposed nail holes from previous running planks.
Sub Deck	N/A	Running planks removed since previous inspection, leaving structural deck to form running surface.
Ties	Fair	
Nails	Good	
Deck to Girder Bolts	Unrated	Not inspectable.
Concrete Deck	N/A	
Grout Pockets	N/A	
Deck Joints	N/A	
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Good	
Hand Rails/Walkouts	N/A	
Hardware	Fair	
Overall Deck Condition	Fair	
Gravel Depth (mm)	0	

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Steel/Concrete

Serial/ID Plate Non found.

Girders Fair

Pier support removed since previous inspection.

Diaphragms Fair

Bracing Fair

Under Trussing N/A

Hardware N/A

Welded/grouted
shear connectors N/A**Log**

Log Curbs N/A

Needle Beam N/A

Needle Lashing/
Shimming N/A

Needle Beam to Crib (m)

Needle Diameter (mm)

Stringer
Number

Species

Peeled

Diameter
(mm)Rot Depth
(mm)

Condition

Comment

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Hazards

Estimated Present Water Level Depth (m)	0.4	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	14	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	3	Ice	☐		

Comments Some large debris upstream.

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	Medium	Replace fender logs. Regrade approaches for industrial use.
2	Medium	Install bridge ahead signs.
3	Medium	Brush approaches to improve sight lines for industrial use.

4	Medium	Replace wear planks
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Item	Monitor Description
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Frequency

1	Monitor condition of log crib abutments.	Routine Inspection
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2	Monitor bearing anchor bolts.	Routine Inspection
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3		
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Sketch
(Select Signature)

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Left Approach Facing Bridge



Load Posting



Left Approach Facing Away From Bridge



Deck



Right Approach Facing Away From Bridge



Typical Potholes in Approach & Rotten Guide Log



Right Approach Facing Bridge



Upstream Elevation



Downstream Elevation



Right Bank Abutment



Right Abutment Downstream Wing Wall



Right Abutment Upstream Wing Wall

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Girder Condition & Removed Pier Bearing Plates



Looking Downstream



Looking Upstream



Left Abutment Upstream Wing Wall



Left Abutment Upstream Corner Scour



Left Abutment Downstream Wing Wall



Left Bank Abutment



Left Bank Erosion at Upstream Corner