

CK-2277

WINSLOW CREEK 0.9km

2016 Inspection



CBR iPad Offline Ver 0.23 SNT

CBR Data

Latitude	Longitude		
49°28'53.79"	-122°12'56"		
Crossing Name	Beaver Dam Creek		
FSR #	8013	Branch #	2
Road Name	WINSLOW CREEK		
User km	0.9		
Current Load Rating (tonnes)	68		
Structure Class	Permanent Bridge		
Portable	N		
Superstructure	Concrete Slab Girders		
Deck Type	Concrete		
Abutment Left	Steel Pipe and Precast Pad		
Abutment Right	Steel Pipe and Precast Pad		
Spans	1		
Total Length (m)	8.5		
Deck Width (m)	4.9		

Updated Data

Latitude	Longitude		
49°28'54.08"	-122°12'56.05"		
HD Diff. (m)	8.6	Accuracy (m)	10

Inspection

Date of Inspection 2016-07-28 6:30:30 PM

Inspector Name Jamie Rupar Gilliatt

Inspection Company SNT Engineering

Inspector Comments

Road appears to be partially deactivated with cross ditches. Restricted access across Stave Lake limits recreational use. All guardrail components require replacement, and general maintenance items need to be performed before industrial activity.

P.Eng Comments

Repair damage slabs; replace guardrail, risers and blocks; clean debris from deck; realign log fenders; brush and grade approaches; post bridge ahead signs and install delineators; all prior to industrial activity. Present load rating of L75 or 68 tonnes to continue.



02/03/2017

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

 Delineator Missing Right ☐ 0 ☐ 1 ☒ 2

Fender Condition Fair

Overgrown, large gap between fender and guardrail at left approach upstream corner.

Posted Load Rating

No load posting sign in place.

Road Surface Poor

Significant difference in grade between bridge deck and approach, resulting in damage to slabs.

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Concrete N/A

Caps or Sills Fair

Moss growth, water staining.

Piles or Posts Fair

Steel pipe posts. Limited access buried in fill.

Ballast Wall Fair

Limited access heavily overgrown. Typical moss growth.

Wing Wall N/A

Bracing Fair

Limited access for inspection.

Hardware Poor

Deck hardware: some bent and corroded guardrail bolts.

Fill Fair

Lack of embankment fill at the left abutment has resulted in settlement of the approach fill and damage to girders.

Riprap Fair

Gap between the cap and riprap has resulted in settlement of the approaches and damage to the ends of girders.

Bearings

Corrosion Protection Fair

Painted steel posts.

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**Deck**

Running Surface	Fair	Significant difference in grade between bridge deck and approach, resulting in damage to slabs.
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	Fair	Covered in debris, limited visible deck.
Grout Pockets	N/A	
Deck Joints	N/A	
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Poor	All guardrail components are rotten.
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Fair	
Gravel Depth (mm)		

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Steel/Concrete

Serial/ID Plate No ID Tag.

Girders Fair

Spalling and exposed rebar at girder end.

Diaphragms N/A

Bracing N/A

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)	0.5	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	3	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments Partially constructed beaver dam at upstream end of bridge.

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	High	Replace guardrails, riser and blocking prior to industrial or recreational activity. Requires: 18 m of 250x250 mm guardrail sections, 8 650x250x250 mm risers, 8 900x250x250 mm blocking, and necessary hardware.
2	Medium	Post bridge ahead signs, install delineators, brush approaches, realign fenders, clear debris from deck, repair ends of slab girders, and grade approaches before industrial activity.
3	Medium	Remove beaver dam.

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)



Right Approach Facing Bridge



Deck



Right Approach Facing Away From Bridge



Guard Rail



Left Approach Facing Away From Bridge



Left Approach Upstream Corner Gap between Fender & Guardrail



Left Approach Facing Bridge



Left Approach Grade Differential & Damage to Slab

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Looking Upstream



Upstream Elevation



Looking Downstream



Downstream Elevation



Left Bank Abutment



Right Bank Abutment



Slab Girders



Beaver Dam at Upstream Side of Bridge

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Gap between Riprap & Cap