

CK-2345

WINSLOW CREEK 2.4km

2016 Inspection



CBR iPad Offline Ver 0.23 SNT

CBR Data

Latitude	Longitude
49°29'25.59"	-122°12'2.4"
Crossing Name	Bradley Creek
FSR #	8013
Branch #	2
Road Name	WINSLOW CREEK
User km	2.4
Current Load Rating (tonnes)	68
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Concrete Composite
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	21.2
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°29'25.7"	-122°12'2.67"
HD Diff. (m)	6.2
Accuracy (m)	5

Inspection

Date of Inspection 2016-07-28 4:23:43 PM

Inspector Name Jamie Rupar Gilliatt

Inspection Company SNT Engineering

Inspector Comments

Road appears to be partially deactivated with some cross ditches and sees limited recreational use due to restricted access over Stave Lake. Guardrail is rotten and requires replacement prior to industrial or recreational activity, along with some routine maintenance.

P.Eng Comments

Replace guardrail, risers and blocks; grade and brush approaches; post bridge ahead signs; replace missing delineators; realign the no post barriers where required and clean sediment from deck; 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 Poor

Tight vertical and horizontal curve.

Bridge Ahead Signs
Missing
☐ 0
 ☐ 1
 ☒ 2

Brushing Required Y

Vegetation obscuring bridge.

Delineator Missing
Left
☒ 0
 ☐ 1
 ☐ 2
Delineator Missing
Right
☐ 0
 ☒ 1
 ☐ 2

Upstream delineator missing.

Fender Condition Fair

Right approach downstream CRB partially over turned.

Posted Load Rating

No load posting sign in place.

Road Surface Fair

Below level of deck.

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Concrete N/A

Caps or Sills N/A

Piles or Posts Good

Steel pipe abutments and bracing.

Ballast Wall Fair

Typical staining & moss growth on exterior sections of ballast walls. Damage to ballast wall in wheel tracks.

Wing Wall N/A

Bracing Good

Hardware Fair

Fill Good

Riprap Good

Bearings Fair

Bulging of all bearings.

Corrosion Protection Good

Pipes are painted.

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**Deck**

Running Surface	Fair	Below level of deck.
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	Fair	Light wear in wheel tracks with some minor from damage excavator tracks.
Grout Pockets	Unrated	Debris on deck, not visible for inspection.
Deck Joints	N/A	No compression seal - composite deck
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Poor	All guardrail components rotten and loose.
Hand Rails/Walkouts	N/A	
Hardware	Good	
Overall Deck Condition	Fair	
Gravel Depth (mm)		

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Steel/Concrete

Serial/ID Plate No ID Tag.

Girders Good

Areas of corrosion of girder at deck panel joint locations.

Diaphragms Good

Bracing Good

Plan bracing in end panel.

Under Trussing N/A

Hardware Good

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)	0.3	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	9	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	2	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	High	Replace guardrail system prior to industrial activity. Requires: 44 m of 250x250 mm guardrail sections, 18 650x250x250 mm risers, 18 900x250x250 mm blocking.
2	Medium	Install bridge ahead signs, install delineator at right approach upstream corner, realign CRB at right approach downstream corner. Clear debris from deck. Brush approaches.
3	Medium	Regrade approaches prior to industrial activity.

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)



Right Approach Facing Bridge



Right Approach Downstream Fender Partially Overturned



Right Approach Facing Away From Bridge



Deck



Looking Upstream



Left Approach Facing Away From Bridge



Looking Downstream



Left Approach Facing Bridge



Deteriorated Guardrail



Typical Abutment Condition



Right Bank Abutment



Upstream Elevation



Downstream Elevation



Typical Bulging of Bearings



Left Bank Abutment



Girder Condition Noted Corrosion at Deck Panel Joints

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Typical Damage to Ballast Wall