

CK-2378

STAVE RIVER 7.7km

2017 Inspection

CBR iPad Offline Ver



CBR Data

Latitude	Longitude
49°28'38.79"	-122°14'19.6"
Crossing Name	Winslow Side Channel
FSR #	8013
Branch #	1
Road Name	STAVE RIVER
User km	7.7
Current Load Rating (tonnes)	30
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Concrete Removable
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	30.5
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°28'38.47"	-122°14'20.67"
HD Diff. (m)	23.8
Accuracy (m)	5

Inspection

Date of Inspection 2017-09-14 9:25:59 AM

Inspector Name Michael Foster

Inspector Comments

Repair riprap and replace guardrails.

Recommended Next Inspection Year 2018

Inspection Company Onsite Engineering Ltd

P.Eng Comments

Replace deck/compression seals; replace guardrail, risers and blocks; repair damage to ballast wall and deck panels; reinstate bearing of the downstream right bank footing and provide scour protection; and add road support to realign concrete no post barriers. Limit loading to 30 tonnes until work completed, post load rating sign. Monitor the scour under the downstream right bank footing.



25/01/2018

P.Eng Seal

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Approach

Alignment Fair

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required N

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

Fender Condition Fair

Concrete noposts leaning out due to poor road support

Posted Load Rating

Road Surface Good

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 Fair

Ballast Wall Fair

Wing Wall N/A

Bracing Fair

Hardware Fair

Fill Good

Riprap Poor

Right downstream footing is exposed due to undermined riprap. Requires repair.

Bearings Fair

Corrosion Protection N/A

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**Deck**

Running Surface	Fair	
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	Fair	
Concrete Deck	Fair	
Grout Pockets	N/A	
Deck Joints	Fair	No rubber seals between deck joints
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Poor	Damaged and rotten. Replace before industrial use
Hand Rails/Walkouts	N/A	
Hardware	Fair	
Overall Deck Condition	Fair	
Gravel Depth (mm)		

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Steel/Concrete

Serial/ID Plate

Girders Good

Diaphragms Good

Bracing Good

Under Trussing N/A

Hardware Good

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

Log Curbs

Needle Beam

Needle Lashing/
Shimming

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)	2	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	24	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	2.5	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Repair right side riprap or footing will be undermined by next storm event.
2	Medium	Replace all guardrail, risers and blocks and add road support and realign all concrete barriers.
3	Medium	Repair damage to ballast wall and replace all compression seals
4	High	Post load rating sign
Item	Monitor Description	Frequency
1	Riprap scour and footing erosion at downstream right bank	Annual
2		
3		

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Left approach viewed from bridge



Guard Rail



Right approach viewed from bridge



Approach from Right Bank when facing downstream



Exposed footing



Exposed rebar



Left Bank Abutment when facing downstream



Eroded riprap



Downstream Profile



Upstream Profile