

CK-2378

STAVE RIVER 8.8km

2015 Inspection



CBR iPad Offline Ver 0.21

CBR Data

Latitude	Longitude
49°28'39.1"	-122°14'20.8"
Crossing Name	Winslow Side Channel
FSR #	8013
Branch #	1
Road Name	STAVE RIVER
User km	8.8
Current Load Rating (tonnes)	68
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°28'38.79"	-122°14'19.58"
HD Diff. (m)	26.3
Accuracy (m)	5

Inspection

Date of Inspection 2015-09-23 11:34:18 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

The right bank downstream footing is exposed and undermined. Replace the scoured material from underneath the precast pad and place riprap in front for protection. This abutment is subject to scour and is not the first time this has happened - monitor. Replace all the deck joint seals, post bridge ahead signs, replace the missing downstream concrete no post barriers and replace the damage risers. Repair the right bank ballast wall by cutting around all exposed rebar, remove all corrosion from the rebar and grouting over. The present load rating of L75 or 68 tonnes can continue provided there has been no further scour from under the exposed footing pad. If further scour has occurred please stop using the structure and contact the Coast Engineering Group for a repair plan.



13/01/2016

P.Eng Seal

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Approach

Alignment Fair

 Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y minor

 Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

 Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Fair missing downstream right approach

Posted Load Rating not posted

Road Surface Good

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Concrete **Poor**
 right bank downstream precast footing pad is
exposed and slightly undermined

Caps or Sills Good

steel plates and rubber pads

Piles or Posts Fair

Ballast Wall Fair

damage on right bank

Wing Wall N/A

Bracing Fair

Hardware Fair

Fill Fair

failing downstream right approach

Riprap Fair

requires additional downstream right bank

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	most deck seals have fallen out
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Fair	some damaged risers that require replacement
Hand Rails/Walkouts	N/A	
Hardware	N/A	
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)	2.0	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	15.0	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	2.0	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	High	place dam sacks under exposed footing pad and place riprap in front for protection
2	Medium	replace missing deck seals
3	Medium	repair exposed rebar on right bank ballast wall

Item	Monitor Description	Frequency
1	exposed footing	Anually
2	deck seals	Anually
3		

Sketch
(Select Signature)

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Approach from Left Bank when facing downstream



seals between deck panels missing



guardrail damage



seal pushed out

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ballast wall damage



Left Bank Abutment when facing downstream



Approach from Right Bank when facing downstream



right bank - downstream footing exposed

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deck seals all pushed through



deck clips



damaged deck panel



Right Bank Abutment when facing downstream

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bearing bolts at full extent of slot