

CK-2378

STAVE RIVER 8.8km

2014 Inspection

CBR iPad Offline Ver 0.17

CBR Data

Latitude	Longitude
49°28'39.5"	-122°14'20.3"
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 Composite
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°28'39.07"	-122°14'20.82"
HD Diff. (m)	16.9
Accuracy (m)	5
Stave River	
Permanent Bridge	
Y	
Steel I-beam	
Concrete Removable	
Steel Pipe and Precast Pad	
Steel Pipe and Precast Pad	
1	
30.5	
4.9	

Inspection

Date of Inspection 2014-12-02 11:46:13 AM

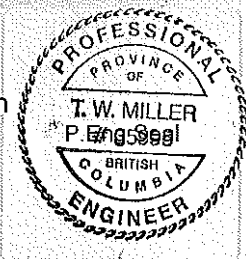
Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspection Comments

At present the right downstream footing pad is exposed and not protected from future scour. The stream thalweg is approximately 1.5m below footing pad elevation in this location and as such very susceptible to scour. Replace missing riprap in front of downstream right abutment ASAP along with the associated road fill, and replace no post barriers. Repair/grout over exposed rebar at top right ballast wall.

Replace damaged guardrail, risers and blocks and post bridge ahead signs. Monitor the scour at the right downstream abutment as this is the third instance noted in this location since the installation in 2002. This channel of the Winslow appears to be taking a higher percentage of the flow during flood events and will continue to be subject to scour. Present load rating of L75 or 68 tonnes to continue.



Handwritten signature and date:
Dec 5/2014

CK-2378

STAVE RIVER 8.8km

2014 Inspection

CBR iPad Offline Ver 0.17

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 fair to poor as 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 N/A

Caps or Sills Fair

Piles or Posts Fair

Ballast Wall Fair damage noted on top of right wall

Wing Wall N/A

Bracing Fair

Hardware N/A

Fill Poor downstream right approach failing

Riprap Poor only poor downstream right abutment - scoured away leaving pad exposed

Bearings Fair

CK-2378

STAVE RIVER 8.8km

2014 Inspection

CBR iPad Offline Ver 0.17

Corrosion Protection Fair

Deck

Running Surface Fair

Running Planks N/A

Sub Deck N/A

Ties N/A

Nails N/A

Deck to Girder Bolts N/A

Concrete Deck Fair either deck was not put on properly aligned or some panels have shifted

Grout Pockets N/A

Deck Joints Fair all deck seals have either fell out or falling out

Steel Deck Plate N/A

Gravel Surface N/A

Curb Rail/Blocks/Posts Fair some damage noted

Hand Rails/Walkouts N/A

Hardware Fair

Overall Deck Condition Fair

Gravel Depth (mm)

CK-2378

STAVE RIVER 8.8km

2014 Inspection

CBR iPad Offline Ver 0.17

Steel/Concrete

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)

Comment

CK-2378

STAVE RIVER 8.8km

2014 Inspection

CBR iPad Offline Ver 0.17

Hazards

Estimated Present Water Level Depth (m)	3.0	High Water	☐	Debris	×
Estimated Present Water Level Width (m)	15.	Aggradation	☐	Scour	×
Estimated High Water Level Clearance (m)	2.0	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	replace missing riprap in front of downstream right abutment, repair top right ballast wall
2	Medium	replace damaged guardrail and post bridge ahead signs
3	Medium	replace missing fill and no posts on downstream right approach

Monitor Item

Monitor Description

Monitoring Frequency

1	scour at right abutment	Anually
2	<input type="text"/>	<input type="text"/>
3		

Sketch
(Select Signature)

CK-2378

STAVE RIVER 8.8km

2014 Inspection



Approach from Left Bank when facing downstream



Approach from Right Bank when facing downstream



eroded fill right downstream approach



scoured right downstream footing

CK-2378

STAVE RIVER 8.8km

2014 Inspection



Left Bank Abutment when facing downstream



superstructure



rubber deck seals falling out



right ballast wall damage

CK-2378

STAVE RIVER 8.8km

2014 Inspection



left bearing bolts at far end of slot



Right Bank Abutment when facing downstream



downstream deck clips



upstream deck clips

CK-2378

STAVE RIVER 8.8km

2014 Inspection



damaged guardrail