

CK-2378

STAVE 7.7km

2018 Inspection

CBR iPad Offline Ver 0.28



CBR Data

Latitude	Longitude		
49°28'38.49"	-122°14'20.7"		
Crossing Name	Winslow Side Channel		
FSR #	8013	Branch #	1
Road Name	STAVE		
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°28'39.14"	-122°14'20.69"		
HD Diff. (m)	19.8	Accuracy (m)	5
30 tonnes			

Inspection

Date of Inspection 2018-06-06 8:13:06 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2019

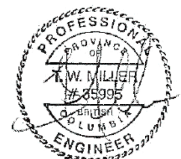
Inspection Company MFLNRO

Inspector Comments Serial/ID Plate

No settlement apparent due to scoured footing

P.Eng Comments

Replace deck/compression seals; replace guardrail, risers and blocks; repair damage to ballast wall and deck panels consistent with the Concrete Repair Guide for Concrete Bridge Components (MFLNRO, 2017); reinstate bearing of the downstream right bank footing and provide scour protection; add road fill to realign the concrete no post barriers; and post bridge ahead signs. Current load rating of 30 tonnes to continue, post load rating sign. Monitor the scour under the downstream right bank footing.



04/02/2019

P.Eng Seal

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Approach

Alignment Fair

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y

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

Fender Condition Fair

Posted Load Rating Not posted

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete Fair Downstream right pad scoured 300mm

Caps or Sills

Piles or Posts Fair

Ballast Wall Fair Damage noted to top right bank with rebar exposed

Wing Wall

Bracing Good

Hardware

Fill Poor Failed downstream right bank

Riprap Poor Due to downstream right bank scour

Bearings Good

Corrosion Protection Fair

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**Deck**

Running Surface Fair

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts Fair

Concrete Deck Fair

Grout Pockets

Deck Joints Poor Most compression seals have failed

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Poor Rotten

Hand Rails/Walkouts

Hardware Poor Loose rail bolts

Overall Deck Condition Poor Due to rail and deck joint condition

Gravel Depth (mm)

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**Steel/Concrete**

Girders Good

Diaphragms Good

Bracing Good

Under Trussing

Hardware Good

Welded/grouted
shear connectors**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)	3.0	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	20.0	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	2.0	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Reinstate complete bearing under the downstream right bank precast footing and add riprap for protection
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 signs

Item	Monitor Description	Frequency
1	Scour under the downstream right bank footing and riprap scour	Annually
2		
3		

Sketch
(Select Signature)

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Approach from Left Bank when facing downstream



Deck



Upstream left approach no posts



Guardrail condition

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Seals between deck panels failing throughout



Downstream from Crossing



Upstream from Crossing



Right bank ballast wall damage



Approach from Right Bank when facing downstream



Approach from Left Bank when facing downstream



Missing no post barriers



Superstructure



Downstream right footing exposed



Deck clips



Scoured riprap



Right Bank Abutment when facing downstream

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Downstream right bank riprap scour