

CK-2378

STAVE 7.7km

2019 Inspection

CBR iPad Offline Ver 0.31



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		
Previous 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°28'39.08"	-122°14'21.18"		
HD Diff. (m)	20.4	Accuracy (m)	5
30 tonnes			

Inspection

Date of Inspection 2019-11-04 8:40:49 AM

Recommended Next Inspection Year 2020

Inspector Name Tyson Miller

Inspection Company FLNRORD

Inspector Comments

Replace all deck panel compression seals
 Replace scoured riprap and ensure complete bearing under the D/S right bank precast footing pad
 Replace eroded fill at right and left banks and reset barriers
 Repair damage to concrete ballast walls and deck
 Replace guardrail, risers and blocks
 Brush approaches
 Post bridge ahead signs

P.Eng Comments

Replace all the deck panel 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; brush approaches and post bridge ahead signs. The current load rating of 30 tonnes to continue, post load rating sign. Monitor the scour under the downstream right bank footing and the general condition of the right bank abutment.



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Approach

Alignment Fair

HC left approach

 Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y

 Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

 Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Fair

Concrete no post barriers should be reset at U/S left bank and D/S right bank

Posted Load Rating

Not posted

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Poor

Downstream right bank concrete precast footing is exposed and scoured; 100mm height x 200mm depth x 600mm width scour in front of footing

Caps or Sills

Piles or Posts Fair

Ballast Wall Poor

Both walls are spalling with exposed rebar

Wing Wall

Bracing Good

Hardware

Fill Poor

Downstream right bank as has failed

Riprap Poor

Scoured downstream right bank

Bearings Fair

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 Damage noted throughout especially at ballast wall location

Grout Pockets

Deck Joints Poor All compression seals have fallen out or are damaged

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Poor Rotten risers and blocks

Hand Rails/Walkouts

Hardware Fair Rail bolts loose

Overall Deck Condition Poor Due to damage to ballast wall, lack of compression seals rail condition

Gravel Depth (mm)

Pier Deck

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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)	2.0	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	20	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	High	Post load rating sign
2	High	Replace scoured riprap at downstream right bank and ensure bearing under footing is complete and consistent
3	High	Replace guardrail, riser and blocks
4	High	Repair the damage to the ballast walls and deck panels
5	High	Replace all the deck panel compression seals
6	Medium	Brush approaches
7	Medium	Post bridge ahead signs

Item	Monitor Description	Frequency
1	Right abutment condition	Annually

2

3

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Deck



Upstream from Crossing



Downstream from Crossing



Approach from Right Bank when facing downstream



Missing downstream right bank concrete no post barriers



Ballast wall and deck damage



Ballast wall and deck damage



Downstream right bank footing exposed



Left Bank Abutment when facing downstream



Deck clips



All rubber joint seals failing



Upstream left approach concrete no posts failing



Right Bank Abutment when facing downstream



Superstructure