

CK-2271

STAVE 24.6km

2019 Inspection

CBR iPad Offline Ver 0.31



CBR Data

Latitude	Longitude
49°34'20.49"	-122°22'2.3"
Crossing Name	Stave River
FSR #	8013
Branch #	1
Road Name	STAVE
User km	24.6
Previous Load Rating (tonnes)	41
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Timber - Untreated
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Concrete Cast in Place
Spans	1
Total Length (m)	24.5
Deck Width (m)	4.3

Updated Data

Latitude	Longitude
49°34'21.45"	-122°22'2.84"
HD Diff. (m)	31.2
Accuracy (m)	5
L45 or 41 tonnes	

Inspection

Date of Inspection 2019-11-05 10:37:32 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2022

Inspection Company FLNRORD

Inspector Comments

P.Eng Comments

Replace the running planks and add wear planks on top of those to help protect the creosoted ties. Replace the 2 untreated ties at the right bank at the same time. Replace the guardrail and risers. Repair the failing fill located at the downstream right bank approach and add a concrete transition and bull nose. The current load rating of L45 or 41 tonnes to continue. Post load rating signs.



P.Eng Seal

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Approach

Alignment Good

 Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required N

 Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

 Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Fair

Combination of lock blocks and CRB, CRB at DS right bank requires transition and bull nose

Posted Load Rating

Not posted

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Good

CIP right bank

Caps or Sills

Piles or Posts Good

Only left bank

Ballast Wall Good

Creosote

Wing Wall

Bracing Good

Only left bank

Hardware

Fill Fair

Eroding downstream right bank

Riprap Good

BR right bank

Bearings Good

Corrosion Protection Fair

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Deck

Running Surface

Running Planks	Poor	Creosote planks wearing on wheel path
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Sub Deck

Ties	Good	2 untreated ties at right bank to be replaced
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Nails	Poor	Protruding
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Deck to Girder Bolts	Good	
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Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts	Poor	Rotten risers
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Hand Rails/Walkouts

Hardware	Poor	Loose rail bolts
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Overall Deck Condition	Poor	Due to plank and rail condition
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Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Good

Diaphragms Good 5 welded bays

Bracing Good

Under Trussing

Hardware

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)	4.0	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	8.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	0	Ice	☐		

Comments Small woody debris noted at left bank bearing

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	High	Post load rating sign
2	High	Replace worn/rotten planks and place wear planks on top for added protection
3	Medium	Replace guardrail and risers
4	Medium	Repair the failing fill at downstream right bank approach and add transition and bullnose to CRB

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Eroding fill on downstream right approach



Rotten risers



Guardrail damage



Rotting deck planks



Rotting deck planks



Upstream from Crossing



Downstream from Crossing



Guardrail condition



Approach from Left Bank when facing downstream



Right Bank Abutment when facing downstream



Superstructure



Upstream planks are untreated



Downstream planks are untreated



2 untreated ties at right bank untreated and in poor condition



Left Bank Abutment when facing downstream