

CK-2134

STS'AILES (WEST) 23.5km

2020 Inspection



CBR iPad Offline Ver 0.31

CBR Data

Latitude	Longitude		
49°28'36.8"	-121°53'19.3"		
Crossing Name	Hale Creek		
FSR #	6314	Branch #	1
Road Name	STS'AILES (WEST)		
User km	23.5		
Previous Load Rating (tonnes)	68		
Structure Class	Permanent Bridge		
Portable	N		
Superstructure	Steel I-beam		
Deck Type	Concrete Composite		
Abutment Left	Concrete Cast in Place		
Abutment Right	Concrete Cast in Place		
Spans	1		
Total Length (m)	30.5		
Deck Width (m)	4.6		

Updated Data

Latitude	Longitude		
49°28'36.81"	-121°53'18.71"		
HD Diff. (m)	11.9	Accuracy (m)	10
22.8	L75 or 68 tonnes		
CIP with Pipe Columns			

Inspection

Date of Inspection 2020-04-08 2:07:35 PM

Recommended Next Inspection Year 2021

Inspector Name Tyson Miller

Inspection Company FLNRORD

Inspector Comments

Neither approach allows for lowbed access without a high probability of guardrail strikes. The fill slopes at the downstream left bank are continually eroding leaving the gabions undermined. The upstream right bank fill slope immediately in front of pipe column has eroded.

P.Eng Comments

Replace the damaged sections of guardrail on downstream end. Replace the log fender at the upstream right bank with minimum 6m long x 600mm diameter log. Repair the damage noted to the underside of deck panel 1 at the right bank consistent with the Concrete Repair Guide for Concrete Bridge Components MoFLNRO (2017). Monitor the eroding fill slopes noted at both the right and left banks. Given the general condition of the structure I recommend continual inspections be completed while in use. The current load rating of L75 or 68 tonnes to continue.



2020-11-24

P.Eng Seal

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Approach

Alignment Fair

HC both approaches limit visibility

 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

Upstream right bank too short and too small

Posted Load Rating 68040

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts Fair

only noted at right bank - minor corrosion

Ballast Wall Fair

treated timbers

Wing Wall Fair

Gabions at left approach, fill under neath downstream gabions is eroding

Bracing Fair

only visible at right bank with minor corrosion noted

Hardware

Fill Fair

eroding at downstream left bank and at right bank

Riprap Good

BR

Bearings Fair

covered with sediment at left bank, corrosion right bank

Corrosion Protection Poor

columns at right bank do not appear to have been coated

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**Deck**

Running Surface Fair

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Fair Minor damage noted to wheel path - likely due to tracked equipment

Grout Pockets Fair

Deck Joints Fair

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Fair damage noted to downstream rail at approaches - poor tracking

Hand Rails/Walkouts

Hardware Fair

Overall Deck Condition Fair

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Fair corrosion noted at both banks

Diaphragms Fair 7 bolted bays with minor corrosion noted

Bracing Fair minor corrosion noted

Under Trussing

Hardware Fair

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)	10.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	10	Ice	☐		

Comments

Repairs and Monitoring

Repair
Item Priority

Repair Description

- | | | |
|---|--------|--|
| 1 | Medium | Replace damaged guardrail sections at downstream location |
| 2 | High | Replace upstream right bank fender with minimum 6m length x 600mm diameter log |
| 3 | Medium | Repair the damage noted to the underside of deck panel 1 at right bank |

Item	Monitor Description	Frequency
1	fill erosion noted at downstream left bank and in front of upstream right pipe column	Annual

2

3

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Deck



Downstream left bank guardrail condition



Upstream from Crossing



Downstream from Crossing



Downstream right bank guardrail condition



Approach from Right Bank when facing downstream



Right Bank Abutment when facing downstream



Load Rating Sign



Upstream right bank fill condition



Upstream right bank fill condition



Parent material below upstream right bank pipe column



Right bank steel delamination



Underside of deck panel 1 at right bank



Left Bank Abutment when facing downstream



Superstructure