

CK-2134

STS'AILES 23.5km

2014 Inspection

CBR iPad Offline Ver 0.17

CBR Data

Latitude	Longitude
49°28'35.79"	-121°53'19.7"
Road Name	STS'AILES
User km	23.5
Current Load Rating (tonnes)	54
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)	30.9
Deck Width (m)	4.6

Updated Data

Latitude	Longitude		
49°28'36.76"	-121°53'18.76"		
HD Diff. (m)	35.2	Accuracy (m)	5
Sts'ailes	22.5	L60 or 54 tonnes	
Permanent Bridge	N	Steel I-beam	
Concrete Composite	CIP	Steel Pipe and	CIP
1	30.5	4.7	

Inspection

Date of Inspection 2014-08-27 9:41:32 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspection Comments

check design load rating 54 tonnes vs 68 tonnes as posted!
good candidate for replacement with Kirkland and davidson

P.Eng Comments

Replace damaged guardrail, missing delineator and place log fenders to right approach. Monitor eroding fill. Present load rating of L60 or 54 tonnes to continue. Update load rating sign ASAP.



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Approach

Alignment Fair

fair to poor, tight HC at both approaches

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

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

Fender Condition Poor

none on right approach

Posted Load Rating 68

check design load rating

Road Surface Fair

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Concrete N/A

Caps or Sills Fair

steel plates and rubber pads

Piles or Posts Fair

rusting

Ballast Wall Fair

treated timbers

Wing Wall Fair

fair to poor as fill eroding underneath wall on left downstream

Bracing Fair

Hardware Fair

Fill Fair

erosion right upstream approach and left downstream under fill retention system

Riprap Fair

BR both sides

Bearings Fair

sediment is covering bearing plates on outside of girders on left abutment

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Corrosion Protection	Poor	steel posts and bracing corroding
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Deck

Running Surface	Fair
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Running Planks	N/A
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Sub Deck	N/A
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Ties	N/A
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Nails	N/A
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Deck to Girder Bolts	N/A
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Concrete Deck	Fair
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Grout Pockets	Fair
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Deck Joints	Fair
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Steel Deck Plate	N/A
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Gravel Surface	N/A
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Curb Rail/Blocks/Posts	Poor	due to left approach downstream guardrail damage
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Hand Rails/Walkouts	N/A
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Hardware	Poor	due to left approach downstream guardrail damage
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Overall Deck Condition	Poor	due to guardrail damage
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Gravel Depth (mm)	
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Steel/Concrete

Girders Fair 2 steel I beams

Diaphragms Fair 7 - bolted

Bracing N/A

Under Trussing N/A

Hardware Fair

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
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Hazards

Estimated Present Water Level Depth (m) 0.4

High Water ☐Debris ☐

Estimated Present Water Level Width (m) 5.0

Aggradation ☐Scour ☐

Estimated High Water Level Clearance (m) 10.

Ice ☐

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	replace damaged guardrail
2	Medium	replace missing delineator and add log fenders on right approach
3	High	update load rating sign ASAP

Monitor Item

Monitor Description

Monitoring Frequency

1 fill erosion noted, especially under left downstream fill retention system

Annually

2

3

Sketch
(Select Signature)

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Approach from Left Bank when facing downstream



Approach from Right Bank when facing downstream



Guard Rail



Left Bank Abutment when facing downstream

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superstructure



damage under panel 1



Right Bank Abutment when facing downstream



left bearing

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sediment covering bearing on left approach



left upstream fill retention system



fill erosion left downstream approach under fill retention system