

CK-2134

STS'AILES 23.5km

2017 Inspection

CBR iPad Offline Ver 0.26



CBR Data

Latitude	Longitude
49°28'36.5"	-121°53'18.6"
Crossing Name	Hale Creek
FSR #	6314
Branch #	1
Road Name	STS'AILES
User km	23.5
Current 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	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	30.5
Deck Width (m)	4.6

Updated Data

Latitude	Longitude
49°28'37.9"	-121°53'20.64"
HD Diff. (m)	59.6
Accuracy (m)	30
22.6	
Concrete Cast in Place	

Inspection

Date of Inspection 2017-06-20 11:40:46 AM

Recommended Next Inspection Year 2020

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

Replace damaged sections of guardrail. Replace the upstream right approach fender log. Replace missing delineator and brush approaches. Present load rating of L75 or 68 tonnes to continue.



31/01/2018

P.Eng Seal

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Approach

Alignment Fair

HC both approaches limits visibility

Bridge Ahead Signs
Missing
☒ 0
 ☐ 1
 ☐ 2

Brushing Required Y

Minor

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

Fender Condition Fair

Logs, upstream right approach is small

Posted Load Rating

Not posted

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete

Caps or Sills

Piles or Posts Fair

Only noted at right bank, minor corrosion

Ballast Wall Fair

Treated timbers

Wing Wall Fair

only on left approach, fill eroding under downstream gabions

Bracing Fair

minor corrosion

Hardware

Fill Fair

eroding under downstream left gabions

Riprap Good

BR

Bearings Fair

covered in sediment on left abutment

Corrosion Protection Poor

Columns not painted

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Deck

Running Surface Fair

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Fair Damage to surface from tracked machines apparent

Grout Pockets Fair Some pockets up to 20mm wear depth

Deck Joints Fair

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Fair Damage noted to both downstream rails

Hand Rails/Walkouts

Hardware Fair

Overall Deck Condition Fair

Gravel Depth (mm)

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Steel/Concrete

Serial/ID Plate

Girders Fair

Corrosion noted at both ends

Diaphragms Fair

7 bolted bays

Bracing

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)	1.0	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	Repair damaged sections of rail
2	Medium	Replace upstream right fender log
3	Medium	Replace missing delineators and brush approaches

Item	Monitor Description	Frequency
1	Gabion walls and eroding fill at downstream left approach	Routine Inspection
2	Grout pocket wear	Routine Inspection
3		

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Damage to left downstream guardrail



Deck



Grout pockets are wearing up to 20 mm in some locations



Approach from Right Bank when facing downstream



Right downstream guardrail damage



Right upstream fender - very small



Left Bank Abutment when facing downstream



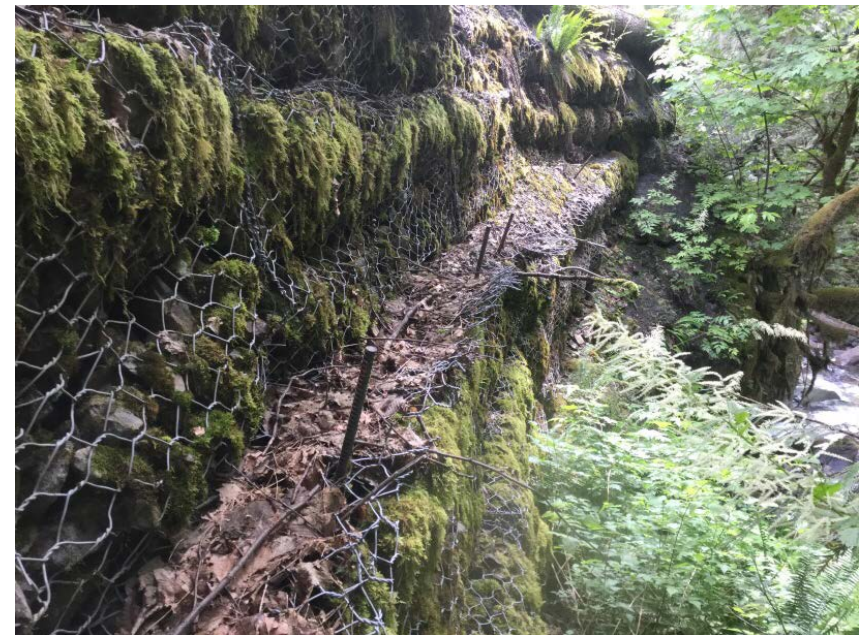
Superstructure



Right Bank Abutment when facing downstream



Damage under first panel on right approach



Left upstream Gabion wall



Left upstream gabion wall



Left downstream gabion wall - up to 500mm erosion under gabions