

CK-2147

STS'AILES (WEST) 66km

2019 Inspection

CBR iPad Offline Ver 0.31



## CBR Data

|                               |                            |          |   |
|-------------------------------|----------------------------|----------|---|
| Latitude                      | Longitude                  |          |   |
| 49°41'23.6"                   | -122°7'23.1"               |          |   |
| Crossing Name                 | Tretheway Creek            |          |   |
| FSR #                         | 6314                       | Branch # | 1 |
| Road Name                     | STS'AILES (WEST)           |          |   |
| User km                       | 66                         |          |   |
| Previous Load Rating (tonnes) | 91                         |          |   |
| 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)              | 30.5                       |          |   |
| Deck Width (m)                | 4.9                        |          |   |

## Updated Data

|                   |               |              |   |
|-------------------|---------------|--------------|---|
| Latitude          | Longitude     |              |   |
| 49°41'23.49"      | -122°7'24.16" |              |   |
| HD Diff. (m)      | 21.4          | Accuracy (m) | 5 |
| L100 or 91 tonnes |               |              |   |

## Inspection

Date of Inspection 2019-08-26 11:23:19 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2022

Inspection Company FLNRORD

Inspector Comments

P.Eng Comments

Replace guardrail, risers and blocks. Replace missing delineator and post bridge ahead signs. Brush and grade approaches. The current load rating of L100 or 91 tonnes to continue.



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## Approach

Alignment Fair

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

Posted Load Rating Not posted

Road Surface Poor Requires grading

## Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts Good

Ballast Wall Good

Wing Wall

Bracing Good

Hardware

Fill Good

Riprap Good

Bearings Good

Corrosion Protection Good

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**Deck**

|                 |      |                  |
|-----------------|------|------------------|
| Running Surface | Good | Requires grading |
|-----------------|------|------------------|

|                |  |  |
|----------------|--|--|
| Running Planks |  |  |
|----------------|--|--|

|          |  |  |
|----------|--|--|
| Sub Deck |  |  |
|----------|--|--|

|      |  |  |
|------|--|--|
| Ties |  |  |
|------|--|--|

|       |  |  |
|-------|--|--|
| Nails |  |  |
|-------|--|--|

|                      |  |  |
|----------------------|--|--|
| Deck to Girder Bolts |  |  |
|----------------------|--|--|

|               |      |                                                 |
|---------------|------|-------------------------------------------------|
| Concrete Deck | Fair | Minor wear on wheel path due to track equipment |
|---------------|------|-------------------------------------------------|

|               |      |  |
|---------------|------|--|
| Grout Pockets | Good |  |
|---------------|------|--|

|             |      |  |
|-------------|------|--|
| Deck Joints | Good |  |
|-------------|------|--|

|                  |  |  |
|------------------|--|--|
| Steel Deck Plate |  |  |
|------------------|--|--|

|                |  |  |
|----------------|--|--|
| Gravel Surface |  |  |
|----------------|--|--|

|                        |      |                          |
|------------------------|------|--------------------------|
| Curb Rail/Blocks/Posts | Poor | Rotten risers and blocks |
|------------------------|------|--------------------------|

|                     |  |  |
|---------------------|--|--|
| Hand Rails/Walkouts |  |  |
|---------------------|--|--|

|          |      |  |
|----------|------|--|
| Hardware | Fair |  |
|----------|------|--|

|                        |      |                       |
|------------------------|------|-----------------------|
| Overall Deck Condition | Poor | Due to rail condition |
|------------------------|------|-----------------------|

|                   |  |  |
|-------------------|--|--|
| Gravel Depth (mm) |  |  |
|-------------------|--|--|

|           |  |  |
|-----------|--|--|
| Pier Deck |  |  |
|-----------|--|--|

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**Steel/Concrete**

Girders Good

Diaphragms Good 8 bolted bays

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)  | 1.0  | High Water  | <input type="checkbox"/> | Debris | <input type="checkbox"/> |
| Estimated Present Water Level Width (m)  | 12.0 | Aggradation | <input type="checkbox"/> | Scour  | <input type="checkbox"/> |
| Estimated High Water Level Clearance (m) | 3.0  | Ice         | <input type="checkbox"/> |        |                          |

Comments

## Repairs and Monitoring

| Repair Item | Priority | Repair Description |
|-------------|----------|--------------------|
|-------------|----------|--------------------|

|   |        |                                      |
|---|--------|--------------------------------------|
| 1 | Medium | Replace guardrail, risers and blocks |
|---|--------|--------------------------------------|

|   |        |                            |
|---|--------|----------------------------|
| 2 | Medium | Brush and grade approaches |
|---|--------|----------------------------|

|   |  |  |
|---|--|--|
| 3 |  |  |
|---|--|--|

| Item | Monitor Description | Frequency |
|------|---------------------|-----------|
|------|---------------------|-----------|

|   |  |  |
|---|--|--|
| 1 |  |  |
|---|--|--|

|   |  |  |
|---|--|--|
| 2 |  |  |
|---|--|--|

|   |  |  |
|---|--|--|
| 3 |  |  |
|---|--|--|

Sketch  
(Select Signature)



Approach from Right Bank when facing downstream



Potholes right approach



Guardrail condition



Upstream from Crossing



Downstream from Crossing



Approach from Left Bank when facing downstream



Right Bank Abutment when facing downstream



Superstructure



Structure ID



Deck



Left Bank Abutment when facing downstream



Splice