

CK-2327

STAVE 0km

2018 Inspection

CBR iPad Offline Ver 0.28



CBR Data

Latitude	Longitude		
49°25'43.29"	-122°14'51.4"		
Crossing Name	Side Creek		
FSR #	8013	Branch #	1
Road Name	STAVE		
User km	0		
Current Load Rating (tonnes)	30		
Structure Class	Temporary Bridge		
Portable	N		
Superstructure	Steel I-beam		
Deck Type	Timber - Untreated - Panels		
Abutment Left	Concrete Lock Blocks		
Abutment Right	Concrete Lock Blocks		
Spans	1		
Total Length (m)	7		
Deck Width (m)	4.9		

Updated Data

Latitude	Longitude		
49°25'44.16"	-122°14'51.55"		
HD Diff. (m)	26.7	Accuracy (m)	100

Inspection

Date of Inspection 2018-06-06 1:00:11 PM

Recommended Next Inspection Year 2020

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

The existing structures requires much work (new timber sills, new timber deck, new ballast wall, monitoring of the right abutment due to the concrete spall and riprap erosion, and inlet cleaning). This structure appears too short for the site and consideration should be given to a new structure being installed prior to industrial activity

P.Eng Comments

The steel girders are originally from the old weight scale at the log dump and were refurbished in 1995 for this install. The girders are still in fair condition but appear to be too short for the site. For short term use replace both timber sills, both ballast walls, all the ties and running planks. Install fenders at all corners, post bridge ahead signs, brush and grade approaches. Limit loading to 30 tonnes until bridge work complete - please post load rating signs and clean the inlet. Monitor the bottom lock block at the downstream right abutment. For long term planning consider the site for a complete replacement with a longer structure.



08/06/2018

P.Eng Seal

CK-2327

STAVE 0km

2018 Inspection



CBR iPad Offline Ver 0.28

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 Poor None at left approach, rotten right approach

Posted Load Rating Not posted

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs Good 25mm Thread rod with 250mm x 250mm x 15mm plate

Bin Wall

Concrete Fair 3 rows of lock blocks with D/S right abutment block heavily spalled and now cracked

Caps or Sills Poor Rotten timber sills

Piles or Posts

Ballast Wall Poor Rotten

Wing Wall

Bracing

Hardware Fair

Fill Fair

Riprap Poor Scoured on right side side, aggraded left

Bearings Fair

Corrosion Protection

CK-2327

STAVE 0km

2018 Inspection

CBR iPad Offline Ver 0.28



Deck

Running Surface

Running Planks

Poor

Rotting and wearing

Sub Deck

Ties

Fair

Fair to poor as pockets of rot next to risers

Nails

Poor

Starting to protrude

Deck to Girder Bolts

Fair

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts

Fair

Hand Rails/Walkouts

Hardware

Fair

Overall Deck Condition

Poor

Old and rotting

Gravel Depth (mm)

CK-2327

STAVE 0km

2018 Inspection

CBR iPad Offline Ver 0.28

**Steel/Concrete**

Girders Fair

Painted steel with additional bracing added

Diaphragms Fair

Bracing Fair

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

CK-2327

STAVE 0km

2018 Inspection

CBR iPad Offline Ver 0.28



Hazards

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

Comments Dry channel with woody debris jammed up against the upstream girder partially blocking the inlet

Repairs and Monitoring

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

- | | | |
|---|--------|---|
| 1 | High | Clean inlet prior to fall rain events |
| 2 | Medium | Brush approaches and add new fenders to both approaches |
| 3 | Medium | Replace entire structure prior to industrial activity |

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

1	Inlet condition	Routine Inspection
---	-----------------	--------------------

2

3

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



Upstream from Crossing



Deck



Downstream from Crossing



Approach from Right Bank when facing downstream



Upstream Profile



Rotten fender



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Bottom lock block at downstream right abutment in poor condition



Downstream Profile



Bottom lock blocks at downstream right abutment

CK-2327

STAVE 0km

2018 Inspection



Deck bolts



Deck from underneath



Superstructure



Timber sill condition

CK-2327

STAVE 0km

2018 Inspection



Lock block tieback