CK-2260
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STAVE 3.5km

2022 Inspection

CBR iPad Offline Ver 0.33

CBR Data

Latitude	Longitude
49°27'13.79"	-122°13'8.8"

Crossing Name	Roaring Creek
FSR #	8013
Branch #	1
Road Name	STAVE
User km	3.5
Previous Load Rating (tonnes)	68
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)	21.3
Deck Width (m)	4.9

Updated Data

Latitude	Longitude

HD Diff. (m)	Accuracy (m)

10 tonnes

Inspection

Date of Inspection	2022-01-24 11:56:03 AM
Inspector Name	Tyson Miller

Recommended Next Inspection Year	2022
Inspection Company	FLNRORD

Inspector Comments

The woods abutment was damaged (scoured) in the November flood event. Material from under the upstream woods abutment footing has scoured resulting in settlement and rotation. Scour protection (riprap) has been added in front of this footing; however the footing is still exposed and further scour/settlement could occur. This needs to be monitored.
A longer bridge is likely required

P.Eng Comments

Limit loading to 10 tonnes, post load rating signs. If a higher rating is required please submit a detailed plan for how the bearing material directly under the upstream woods abutment footing will be reinstated along with how the structure will be monitored during these required crossings. Irregardless of whether or not a higher rating is required, please ensure continuous monitoring of this site while the structure is in use.

P.Eng Seal

Approach

Alignment	Good	
Bridge Ahead Signs Missing	○ 0 ○ 1 ● 2	
Brushing Required	N	
Delineator Missing Left	● 0 ○ 1 ○ 2	
Delineator Missing Right	● 0 ○ 1 ○ 2	
Fender Condition	Good	
Posted Load Rating	Not posted	
Road Surface	Good	

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Pier		
Concrete		
Caps or Sills		
Piles or Posts	Poor	The upstream woods abutment pipe column is no longer vertical. Material from under this footing has been scoured resulting in settlement and rotation.
Ballast Wall	Good	The tops of both ballast walls have had recent repairs made
Wing Wall		
Bracing	Fair	
Hardware		
Fill	Fair	Significant erosion had occurred at the upstream woods abutment in the November flood event. Temporary repairs have been completed to this abutment
Riprap	Poor	None in front of woods abutment footings
Bearings	Poor	Material from under the the upstream woods abutment precast footing has been scoured. This footing has settled and rotated. The bearing plates at this location are still functioning however; likely under significant stress. Monitor their condition.
Corrosion Protection	Fair	

Deck

Running Surface	Good	
Running Planks		
Sub Deck		
Ties		
Nails		
Deck to Girder Bolts		
Concrete Deck	Fair	Minor damage due to tracked equipment
Grout Pockets	Good	
Deck Joints	Good	
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Good	
Hand Rails/Walkouts		
Hardware	Good	
Overall Deck Condition	Good	
Gravel Depth (mm)		
Pier Deck		

Steel/Concrete

Girders	Fair	Slight misalignment due to settled footing but do not appear damaged.
Diaphragms	Good	5 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

Hazards

Estimated Present Water Level Depth (m)	1.0	High Water		Debris	X
Estimated Present Water Level Width (m)	15.0	Aggradation	X	Scour	X
Estimated High Water Level Clearance (m)	1.0	Ice			

Comments

Repairs and Monitoring

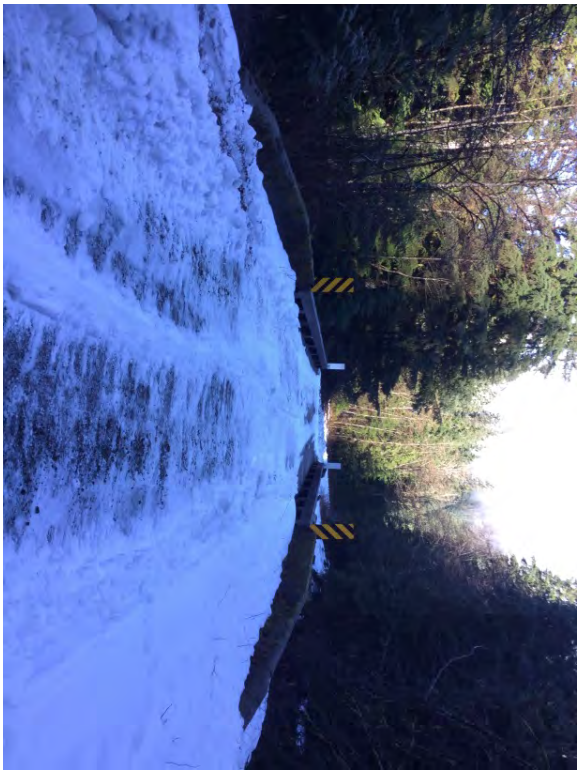
	Repair Item	Repair Description
1	Approach. Add Warning Signs. # of signs. Priority:High	Post load rating signs
2		
3		
4		
5		
6		
7		

Item	Monitor Description	Frequency
1	upstream woods abutment settlement	Continuous while in use
2		
3		

Approach from Right Bank when facing downstream

Upstream woods end deck lower in elevation

Deck



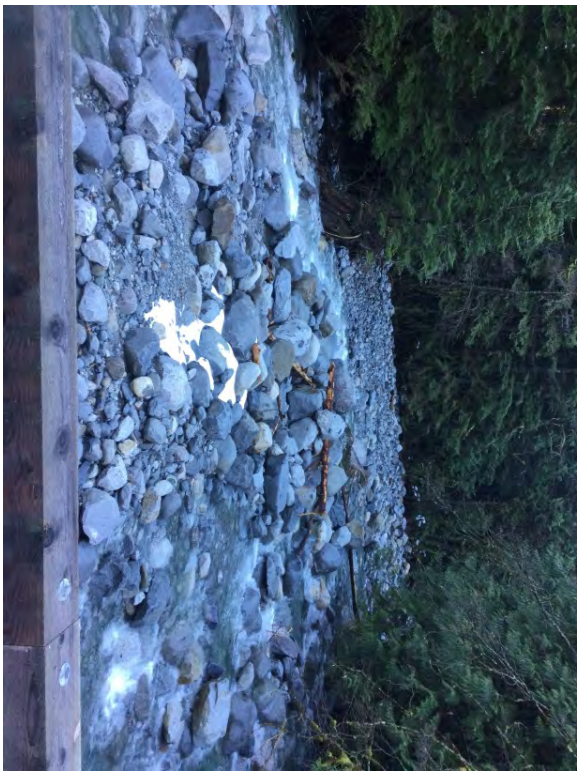
Approach from Left Bank when facing downstream

Upstream woods abutment has settled

Structure ID

Superstructure

Right Bank Abutment when facing downstream



Upstream from Crossing

Upstream woods abutment pipe column leans to fill side

Upstream woods abutment

Upstream woods footing scour

Upstream woods pipe column condition

Right Bank Abutment when facing downstream