CK-2161	HUNTER 4700 5.8km	2019 Inspection

CBR iPad Offline Ver 0.31

CBR Data

Latitude	Longitude
49°19'34.89"	-121°31'48.4"

Crossing Name	Side Creek		
FSR #	6086	Branch #	2
Road Name	HUNTER 4700		
User km	5.8		
Previous Load Rating (tonnes)	68		
Structure Class	Temporary Bridge		
Portable	Y		
Superstructure	Steel Box Beam		
Deck Type	Steel		
Abutment Left	Crib, Log or Untreated Timber		
Abutment Right	Crib, Log or Untreated Timber		
Spans	1		
Total Length (m)	12.2		
Deck Width (m)	5.6		

Updated Data

Latitude	Longitude
49°19'35.13"	-121°31'47.71"

HD Diff. (m)	15.6	Accuracy (m)	5

L75 or 68 tonnes

Inspection

Date of Inspection	2019-08-14 1:38:46 PM	Recommended Next Inspection Year	2021
Inspector Name	Tyson Miller	Inspection Company	FLNRORD

Inspector Comments

P.Eng Comments

Watch for falling debris and materials at the town approach, road approach requires cleaning prior to activity. Reconnect the concrete no post barriers at the left approach (left bank). Replace the missing delineator and post bridge ahead signs. Replace the missing timber blocking on steel spacer plate. The riprap is rounded and already scoured, monitor. The current load rating of L75 or 68 tonnes to continue.

P.Eng Seal

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Approach

Alignment	Poor	Very tight HC at right approach
Bridge Ahead Signs Missing	○ 0 ○ 1 ● 2	
Brushing Required	N	
Delineator Missing Left	○ 0 ● 1 ○ 2	
Delineator Missing Right	● 0 ○ 1 ○ 2	
Fender Condition	Fair	Lock blocks right approach and unconnected no post barriers left approach
Posted Load Rating		Not posted
Road Surface	Fair	

Abutment

Log/Timber Cribs	Fair	3x face logs, open face - face logs not completely peeled
Tie Backs	Fair	
Bin Wall		
Pier		
Concrete		
Caps or Sills		
Piles or Posts		
Ballast Wall	Poor	Left bank wall not tight to girders leaving gap and sediment falling through, no wall right bank
Wing Wall		
Bracing		
Hardware	Poor	No bolts fastening ASP to crib noted
Fill	Fair	
Riprap	Fair	Scour noted at right bank
Bearings	Fair	Top face log not completely flat but sufficient for planned lifespan of structure
Corrosion Protection		

Deck

Running Surface	Fair	
Running Planks		
Sub Deck		
Ties		
Nails		
Deck to Girder Bolts		
Concrete Deck		
Grout Pockets		
Deck Joints		
Steel Deck Plate	Fair	Anti skid all but worn off and spacer plate installed for a 5.6m running width
Gravel Surface		
Curb Rail/Blocks/Posts	Good	
Hand Rails/Walkouts		
Hardware		
Overall Deck Condition	Fair	
Gravel Depth (mm)		
Pier Deck		

Steel/Concrete

Girders	Fair	ASP with spacer plate
Diaphragms	Unrated	Inside box beam
Bracing	Unrated	Inside box beam
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

Hazards

Estimated Present Water Level Depth (m)	0.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	2.0	Aggradation	☐	Scour	X
Estimated High Water Level Clearance (m)	1.5	Ice	☐		

Comments

Stream is aggrading at the inlet
All riprap is rounded, scour already noted at right bank - monitor

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	Clear road prior to operations
2	Medium	Replace missing delineator and bridge ahead signs
3	Medium	Reconnect no post barriers
4	Medium	Replace timber blocking on steel spacer plate

Item	Monitor Description	Frequency
1	Riprap condition as scour is noted	Routine Inspection
2		
3		

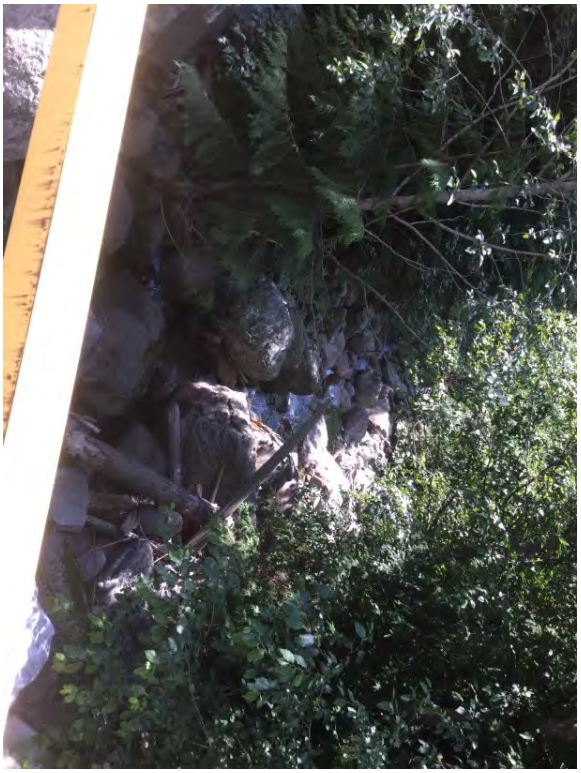
Sketch
(Select Signature)

Approach from Left Bank when facing downstream

Deck

Transition and bullnose not attached upstream left approach

Upstream from Crossing



Downstream from Crossing

Ravelling cutbank at right approach

Approach from Right Bank when facing downstream

Approach from Right Bank when facing downstream

Structure ID

Left Bank Abutment when facing downstream

Structure ID

Bridge guide angle deformed at upstream right bank

Right Bank Abutment when facing downstream, scour noted

Face logs were never completely peeled and minor sap rot noted

No ballast wall at left bank

Spacer plate is constructed in 2 pieces and steel at joint has started to deform, no timber blocking