

CK-2108
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HARRISON EAST 30.7km

2020 Inspection

CBR iPad Offline Ver 0.33



CBR Data

Latitude	Longitude
49°34'30.2"	-121°49'4"
Crossing Name	Not Known
FSR #	5748
Branch #	1
Road Name	HARRISON EAST
User km	30.7
Previous Load Rating (tonnes)	136
Structure Class	Permanent Bridge
Portable	N
Superstructure	Concrete Slab Girders
Deck Type	Concrete
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	9
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°34'31.33"	-121°49'2.1"
HD Diff. (m)	48.8
Accuracy (m)	10
L150 or 136 tonnes	

Inspection

Date of Inspection 2020-06-04 11:14:46 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2021

Inspection Company FLNRORD

Inspector Comments

Crossing is on active flood plain. Stream repair work has been recently completed.

P.Eng Comments

Repair scoured riprap and remove the accumulating bedload upstream from the structure. Replace all paraseal joints. Brush and grade both approaches. Monitor for future scour and aggradation. The current load rating of L150 or 136 tonnes to continue.



P.Eng Seal

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Approach

Alignment Fair

VC Right approach

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required Y

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Good

Posted Load Rating 136090

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete N/A

Caps or Sills Good Integrated cap/wall

Piles or Posts Unrated Buried

Ballast Wall Good

Wing Wall Good Lockblocks at downstream right bank

Bracing Unrated Buried

Hardware

Fill Good

Riprap Fairr Both banks have now scoured and require repair and monitoring

Bearings Good

Corrosion Protection Unrated Buried

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Deck

Running Surface Fair

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Good

Hand Rails/Walkouts

Hardware Good

Overall Deck Condition Fair

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Good 4 concrete slabs

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted
shear connectors NA None noted

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)	0.1	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	1.0	Aggradation	☒	Scour	☒
Estimated High Water Level Clearance (m)	0	Ice	☐		

Comments

Stream is on active food plain

Repairs and Monitoring

Repair Item	Repair Description
1 Approach. Area/sight line brushing. m ² . Priority:Low	Brush approaches
2 Structure. Joint replacement. m ² . Priority:Low	Replace paraseal
3 Channel. Add Riprap (placed). m ³ . Priority:High	Repair scoured riprap at both abutments
4 Channel. Remove Aggraded Material. . Priority:Medium	Remove aggraded material upstream from bridge
5 Approach. Approach surfacing grading. m. Priority:Low	Grade approaches
6	
7	

Item	Monitor Description	Frequency
1	Riprap scour	Anually
2	Aggradation	Anually
3		



Approach from Right Bank when facing downstream



Load Rating Sign



Deck



Paraseal joints have failed



Upstream from Crossing



Downstream from Crossing



Approach from Left Bank when facing downstream



Upstream Profile



Right Bank Abutment when facing downstream



Right bank riprap scour



Left Bank Abutment when facing downstream



Left bank riprap scour



Downstream left bank scour



Lock blocks downstream right bank support riprap and fill



Each slab connected to cap in 2 locations at each abutment