CK-2110
CK-2110B

HARRISON EAST 38.5km

2022 Inspection

CBR iPad Offline Ver 0.36

BRITISH COLUMBIA

CBR Data

Latitude	Longitude
49°38'21.09"	-121°50'12.7"

Site Status	Active
Insp. Status	Inspect
Crossing Name	Clear Creek (structure # 29)
FSR #	5748
Branch #	1
Road Name	HARRISON EAST
User km	38.5
Previous Load Rating (tonnes)	136
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)	27.4
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°38'21.52"	-121°50'12.15"

HD Diff. (m)	17.0	Accuracy (m)	7

Inspection

Date of Inspection: 2022-08-29 2:02 PM

Inspector Name: Cameron VandenBrink, EIT

Recommended Next Inspection: 2024

Inspection Company: Chartwell Resource Group Ltd

Inspector Comments

Serial/ID Plate

P.Eng Comments

Load rated by: MoF Sasha Ward RPF, P.Eng Feb 17 2023
Load rating: 136 tonnes or L150
Next inspection: 2024

PERMIT TO PRACTICE: 1003022

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	Fair	Woods downstream bullnose needs to be repositioned back onto shoulder
Posted Load Rating		
Road Surface	Fair	Minor potholes each end of structure

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	Good	
Fill	Good	
Riprap	Good	
Bearings	Good	
Corrosion Protection	Fair	Some wear

Deck

Running Surface	Good	Minor potholes each end of structure
Running Planks		
Sub Deck		
Ties		
Nails		
Deck to Girder Bolts		
Concrete Deck	Good	
Grout Pockets	Good	
Deck Joints	Fair	Some stick proud of deck
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts		
Hand Rails/Walkouts	Good	
Hardware	Good	
Overall Deck Condition	Good	
Gravel Depth (mm)		
Pier Deck		

Steel/Concrete

Girders	Good	
Diaphragms	Good	5 bays
Bracing	Good	Bolted
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)	.4	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	10	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance	0	Ic	☐		

Comments Woody debris and small gravels on top of downstream bottom flange.

Repairs and Monitoring

	Repair Item	Repair Description
1	Approach. Approach fenders (re-Install). # of units. Priority:Low	Bull nose to be reinstalled
2		
3		
4		
5		
6		
7		

Item	Monitor Description	Frequency
1	Riprap oversteepened, appears stable. Monitor	Routine Inspection
2		
3		

Approach from Right Bank when facing downstream

Approach from bridge deck of Right bank approach when facing downstream

Upstream from Crossing

Approach from bridge deck of Left bank approach when facing downstream

Right Bank Abutment when facing downstream

Downstream from Crossing

Bearing

Deck

Upstream Profile

Superstructure

Right Bank Abutment when facing downstream

Downstream Profile

Left Bank Abutment when facing downstream

Deposited woody debris