CK-2107	HARRISON EAST 24.8km	2015 Inspection

CBR iPad Offline Ver 0.21

CBR Data

Latitude	Longitude
49°32'11.4"	-121°45'41.8"

Crossing Name	Cogburn Creek
FSR #	5748
Branch #	1
Road Name	HARRISON EAST
User km	24.8
Current 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	2
Total Length (m)	43.6
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°32'10.93"	-121°45'42.4"

HD Diff. (m)	18.8	Accuracy (m)	5

24.1

Inspection

Date of Inspection 2015-10-21 1:21:40 PM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

Replace guardrail, risers and blocks; and brush approaches. Present load rating of L150 or 136 tonnes to continue.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
T. W. MILLER
35995

P.Eng Seal

Dec 4/2015

Approach

Alignment	Fair	
Bridge Ahead Signs Missing	0 1 2	
Brushing Required	Y	minor
Delineator Missing Left	0 1 2	
Delineator Missing Right	0 1 2	
Fender Condition	Good	
Posted Load Rating	136090	
Road Surface	Good	

Abutment

Log/Timber Cribs	N/A	
Tie Backs	N/A	
Bin Wall	N/A	
Concrete	N/A	
Caps or Sills	Good	steel plates
Piles or Posts	Fair	
Ballast Wall	Fair	treated timbers
Wing Wall	N/A	
Bracing	Fair	
Hardware	Poor	loose rail bolts
Fill	Fair	
Riprap	Good	
Bearings	Good	
Corrosion Protection	Fair	

Deck

Running Surface	Fair	
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	Fair	
Grout Pockets	Fair	
Deck Joints	Good	
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Poor	rotten risers and blocks
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Poor	due to rotten risers and blocks
Gravel Depth (mm)		

Steel/Concrete

Serial/ID Plate

Girders: Fair

Diaphragms: Good

Bracing: Good

Under Trussing: N/A

Hardware: N/A

Welded/grouted shear connectors: N/A

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 ☐
Estimated Present Water Level Width (m)	20.0	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	3.0	Ice ☐	

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	brush approaches
2	Medium	replace guardrail system
3		

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)

CK-2107 HARRISON EAST 24.8km 2015 Inspection

Approach from Right Bank when facing downstream

compression seal missing

damaged riser

Approach from Left Bank when facing downstream

CK-2107 HARRISON EAST 24.8km 2015 Inspection

bullet holes through web of upstream girder

Right Bank Abutment when facing downstream

pier

Left Bank Abutment when facing downstream

damage to upstream pier pipe column