

CK-2111

HARRISON EAST 48.9km

2015 Inspection



CBR iPad Offline Ver 0.21

CBR Data

Latitude	Longitude
49°42'12.7"	-121°51'21.1"
Crossing Name	Big Silver River
FSR #	5748
Branch #	1
Road Name	HARRISON EAST
User km	48.9
Current Load Rating (tonnes)	109
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Concrete Composite
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Concrete Cast in Place
Spans	1
Total Length (m)	47.5
Deck Width (m)	5

Updated Data

Latitude	Longitude
49°42'12.83"	-121°51'18.89"
HD Diff. (m)	44.4
Accuracy (m)	10
47.2	

Inspection

Date of Inspection 2015-10-21 9:51:07 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

Replace missing delineators and replace missing fenders. Monitor the right approach ballast wall condition and the bearing bolts on the left approach. Present load rating of L120 or 109 tonnes to continue.



Dec 4/2015

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Approach

Alignment Fair

HC and VC both approaches

 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

missing upstream left and right approach

Posted Load Rating 109000

Road Surface Good

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Concrete N/A

Caps or Sills Fair

steel plates and rubber pads

Piles or Posts Good

Ballast Wall Fair

right bank has damage with rebar exposed on streamside

Wing Wall Good

lock blocks on all 4 corners

Bracing Good

Hardware Good

Fill Good

Riprap Good

Bearings Fair

bearing bolts on left bank bending

Corrosion Protection Good

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**Deck**

Running Surface Good

Running Planks N/A

Sub Deck N/A

Ties N/A

Nails N/A

Deck to Girder Bolts N/A

Concrete Deck Good

Grout Pockets Good

Deck Joints Good

Steel Deck Plate N/A

Gravel Surface N/A

Curb Rail/Blocks/Posts Good

Hand Rails/Walkouts N/A

Hardware N/A

Overall Deck Condition Good

Gravel Depth (mm)

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Steel/Concrete

Serial/ID Plate

Girders Good

Diaphragms Good

Bracing Good

Under Trussing Good

Hardware Good

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

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Hazards

Estimated Present Water Level Depth (m)	3.0	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	15.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	10.0	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1	Medium	replace missing delineators
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2		
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3		
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Item	Monitor Description	Frequency
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1	bearing bolts	Routine Inspection
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2	right ballast wall condition	Routine Inspection
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3		
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Sketch
(Select Signature)

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Approach from Left Bank when facing downstream



load rating sign



Approach from Left Bank when facing downstream



Deck

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Approach from Right Bank when facing downstream



right bank girder bearing keepers - typical



downstream left bank girder flare



right bank ballast wall damage - rebar exposed

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superstructure



downstream truss



upstream truss



truss system

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Right Bank Abutment when facing downstream



markings under deck panels - for fibre optics hangers?



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream

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downstream truss from left bank



left bank girder flare



upstream left bank bearing bolt



pipe in water on downstream side of bridge