

CK-2565  
CK-2565

AMERICAN 1.8km

2020 Inspection

CBR iPad Offline Ver 0.33



### CBR Data

Latitude 49°25'37.2" Longitude -121°26'57.7"

Crossing Name Unknown Creek

FSR # 8123 Branch # 1

Road Name AMERICAN

User km 1.8

Previous Load Rating (tonnes)

Structure Class Permanent Bridge

Portable N

Superstructure Other

Deck Type Gravel

Abutment Left Other

Abutment Right Other

Spans 1

Total Length (m) 3.7m

Deck Width (m) 5.0m

### Updated Data

Latitude °0'0" Longitude °0'0"

HD Diff. (m) 5502188.5 Accuracy (m)

BCL-625 or 63 tonnes

Terraspan Steel Box Culvert

GRS - 2 wire mesh baskets high

GRS - 1 wire mesh basket high on top of old log sill

### Inspection

Date of Inspection 2020-05-28 8:24:44 AM

Inspector Name Tyson Miller

Inspector Comments

Recommended Next Inspection Year 2023

Inspection Company FLNRORD

### P.Eng Comments

The Terraspan Box Culvert Design and Installation Details indicate the L100 design vehicle; however there was a change in the substructure at the time of construction and no indication if that loading was attained. Limit loading to BCL-625 or 63 tonnes. Add log curbs to help protect the welded wire forms from being damaged by grader activity. Add scour protection to the downstream woods abutment. Brush both approaches.



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## Approach

Alignment Good

Bridge Ahead Signs  
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y

Delineator Missing  
Left ☐ 0 ☐ 1 ☒ 2

Delineator Missing  
Right ☐ 0 ☐ 1 ☒ 2

Fender Condition Poor None

Posted Load Rating Not posted

Road Surface Good

## Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills Fair 2 wire mesh baskets on left bank - Good; 1 wire mesh basket with minor settlement on top of a single log sill on right bank

Piles or Posts

Ballast Wall

Wing Wall

Bracing

Hardware Good

Fill Good

Riprap Poor None in front of wire mesh baskets

Bearings Fair Downstream left bank minor scour noted but no settlement apparent

Corrosion Protection

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## Deck

Running Surface

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

Hand Rails/Walkouts

Hardware

Overall Deck Condition

Gravel Depth (mm) 600

Pier Deck

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## Steel/Concrete

Girders Good Terraspan Steel Stringer Assembly

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted  
shear connectors

## Log

Log Curbs

Needle Beam

Needle Lashing/  
Shimming

Needle Beam to Crib (m)

Needle Diameter (mm)

| Stringer<br>Number | Species | Peeled | Diameter<br>(mm) | Rot Depth<br>(mm) | Condition | Comment |
|--------------------|---------|--------|------------------|-------------------|-----------|---------|
|--------------------|---------|--------|------------------|-------------------|-----------|---------|

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## Hazards

|                                          |     |             |                          |        |                                     |
|------------------------------------------|-----|-------------|--------------------------|--------|-------------------------------------|
| Estimated Present Water Level Depth (m)  | 0.1 | High Water  | <input type="checkbox"/> | Debris | <input type="checkbox"/>            |
| Estimated Present Water Level Width (m)  | 0.5 | Aggradation | <input type="checkbox"/> | Scour  | <input checked="" type="checkbox"/> |
| Estimated High Water Level Clearance (m) | 1.0 | Ice         | <input type="checkbox"/> |        |                                     |

Comments

## Repairs and Monitoring

| Repair Item                                                         | Repair Description                                                                                   |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| 1 Approach. Approach fenders (install). # of units. Priority:Medium | Add 6m x 600mm diameter log curbs at both upstream and downstream location, inside wire mesh baskets |
| 2 Approach. Area/sight line brushing. m². Priority:Medium           | Brush approaches                                                                                     |

3

4

5

6

7

| Item | Monitor Description                      | Frequency          |
|------|------------------------------------------|--------------------|
| 1    | Foundation scour at downstream left bank | Routine Inspection |

2

3



Approach from Left Bank when facing downstream



Upstream log curb outside wire mesh forms



Upstream from Crossing



Downstream from Crossing



Downstream fill retention facing exposed to grader activity



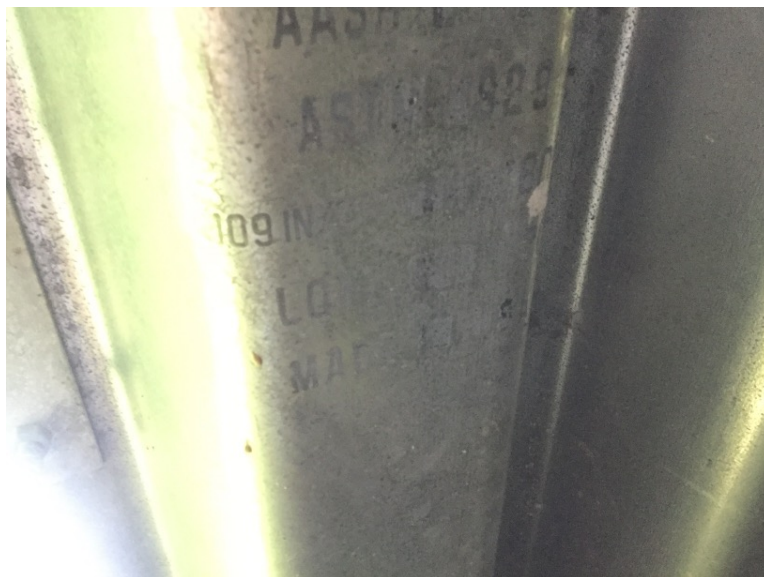
Approach from Right Bank when facing downstream



Inlet



Looking through from inlet



Terraspan Steel Stringer Info



Terraspan Steel Stringer Info



Outlet



Foundation scour under downstream left bank abutment