

BRIDGE MANAGEMENT INFORMATION SYSTEM

28 May 2018

BLBECKER

Condition Inspection Report

Criteria: Structure No = 00255 - Include Inspection Condition Photos = Y
 - Include Additional Blank Lines for Notes = N - Show Not Applicable Components = Y

Structure No: 00255 - MCINTYRE

Status: Open/In Use

Inspection Type: Routine Condition

Region: 2 - Southern Interior Region

District: 5 - Okanagan Shuswap District

Contract Area: 8 - South Okanagan CA

RFI: 08-E-@-00097 - Rte 97 NB - Okanagan Highway - ON

Features Crossed: OKANAGAN HIGHWAY/MCINTYRE CREEK

Component Group/Component**E****G****F****P****V****X****N/A****HYDROTECHNICAL :**

1.	Debris Risk		100					N
2.	Channel							Y
3.	Erosion Protection							Y
4.	Substructure Scour			100				N

SUBSTRUCTURE :

5.	Foundation Movement		100					N
6.	Abutments		90	10				N
7.	Wing/Retaining Walls		100					N
8.	Embankment							Y
9.	Footings/Piling		100					N
10.	Pier Columns/Walls/Cribs		100					N
11.	Bearings		90	8	2			N
12.	Caps							Y
13.	Corbels							Y
14.	Dolphins/Fenders							Y

SUPERSTRUCTURE :

15.	Floor Beams/Transoms							Y
16.	Stringers		100					N
17.	Girders							Y
18.	Portals							Y
19.	Bracing/Diaphragms		100					N
20.	Truss Chords/Arch Ribs							Y
21.	Arch Ties							Y
22.	Truss Diagonals							Y
23.	Truss Rods/Verticals							Y
24.	Cables							Y
25.	Panels							Y
26.	Pins/Bolts/Rivets							Y
27.	Camber/Sag		100					N
28.	Live Load Vibration		90	10				N
29.	Coating (Structure)		90	10				N

DECK :

30.	Sub Deck/Cross Ties		100					N
31.	Wearing Surface		80	20				N
32.	Deck Joints		80	15	5			N
33.	Curbs/Wheelguards		50	40	10			N
34.	Sidewalk(s)	100						N
35.	Railings/Parapets		80	15	5			N
36.	Median Barrier							Y
37.	Drains/Pipes		100					N
38.	Coating (Railings)		70	30				N

APPROACHES :

39.	Signing/Lighting		100					N
40.	Roadway Approaches		100					N
41.	Roadway Flares		75	25				N

1st Abutment Position: S

Year Built: 1954 Estimated? ☐

Length (m): 36.330

Note:

Main Span Length: 17.980

Main Span Type: STRINGER

Spans: 3

Urgency: 2

BCI Rating: 2.05

Adjusted BCI Rating: 2.36

Inspector/Inspected By: Ron Domanko

On 2017/08/23

Amendment/Partial Inspection?

Item Notes:

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Item Notes:

- | | | |
|------|---------------------|---|
| 6 . | Abutments | march 2006 - N abutment - minor to medium cracking in the ballast wall and seat.
aug/07 - no apparent change
april/10 - as above |
| 11 . | Bearings | nov 2013 - bearing nut backed off, loose. |
| 16 . | Stringers | 90% of rusting and/or coating loss is located directly under the deck joints.
nov 2013 - re-seal of joints prior to scaling and re-coating the bearing/stringer ends. |
| 28 . | Live Load Vibration | march 2006 - D/S, Sth pier, 3rd stringer/bearing to riveted angle bracket showing some movement with heavier traffic. Anchor bolt appears to be loose. |
| 30 . | Sub Deck/Cross Ties | aug/07 - snoop inspection this date. Efflorescence showing typically in tight map pattern. Hammer sounding solid, minor spalled areas at or near top flanges of stringers and diaphragms. |
| 31 . | Wearing Surface | july 2012 - asphalt mill/fill done after concrete joint repairs. Depth of AC compacted slightly proud of concrete grade giving a rougher ride over the deck. This condition should reduce as wear occurs.
nov 2013 - as noted, ride is still slightly proud but shows improvement. |
| 32 . | Deck Joints | july 2012 - concrete at south joint/abutment breaking up with numerous cracks.
sept 2014 - compression seal has settled in some areas. Minor concerns.
aug 2017 - minor concrete repairs, sth joint. |
| 33 . | Curbs/Wheelguards | sept 2014 - concrete surface spalled. Minor concerns. |
| 35 . | Railings/Parapets | aug 2016 - repairs to collision damaged rail posts complete. Cracked concrete on several posts remain.
aug 2017 - sth bnd , sw concrete post, reinforcing steel exposed. |
| 39 . | Signing/Lighting | aug/08 - new w54 required at south end of new sidewalk. |

Inspection Notes:**Drainage Area Description**

Subject to spring freshet.

Maintenance Work Notes

july 2012 - bearing coating as above.
 - south expansion concrete repairs.
 nov 2013 - tighten loose bearing nut, Sth abutment.
 - restore concrete curb.
 aug 2017 - concrete repair, sth joint.
 - sth bnd, sw concrete post repair.