

Condition Inspection Report

Criteria: Structure No = 06444 - Include Inspection Condition Photos = Y

- Include Additional Blank Lines for Notes = N - Show Not Applicable (N/A) Components = N - Include Historical Inspections = N

Order By: Structure Number, Inspection Date

Structure No: 06444 - TSEAX KM 80.0

Status: Open/In Use

Inspection Type: Routine Condition

Region: 3 - Northern Region

District: 11 - Skeena District

Contract Area: 26 - Skeena CA

RFI: 26-B-@-00324 - Rte 113 NB - Nisga'a Highway - ON

Features Crossed: NISGAA HWY/TSEAX RIVER

<u>Component Group/Component</u>	E	G	F	P	V	X	N/A
HYDROTECHNICAL :							
1. Debris Risk		100					N
2. Channel			100				N
4. Substructure Scour		90	10				N
SUBSTRUCTURE :							
5. Foundation Movement		100					N
6. Abutments		100					N
7. Wing/Retaining Walls		100					N
9. Footings/Piling		100					N
11. Bearings		100					N
SUPERSTRUCTURE :							
16. Stringers			80	20			N
19. Bracing/Diaphragms			100				N
26. Pins/Bolts/Rivets		95		5			N
27. Camber/Sag		100					N
28. Live Load Vibration		100					N
DECK :							
30. Sub Deck/Cross Ties		100					N
31. Wearing Surface		75	15	10			N
35. Railings/Parapets		90	10				N
38. Coating (Railings)		100					N
APPROACHES :							
39. Signing/Lighting		99		1			N
40. Roadway Approaches		90	10				N
41. Roadway Flares		90	10				N

1st Abutment Position: S

Year Built: 1981 Estimated?

Length (m): 21.300

Note:

Main Span Length: 21.300

Main Span Type: STRINGER

Spans: 1

Urgency: 2

BCI Rating: 2.19

Adjusted BCI Rating: 2.34

Inspector/Inspected By: Scott Hales

On 2016/10/21

Amendment/Partial Inspection?

Item Notes:

- 2 . Channel Channel
Skew - 10 degrees - good
Bed & bank - rock/lava, appears unchanged and stable - good
Adequacy - 20 % less than natural stream bed width - poor
Overall - fair
- 4 . Substructure Scour Some scour of North abutment footing
- 11 . Bearings Sole plate
debris buildup around bearings
- 16 . Stringers Moderate corrosion with scaling on lower web and flanges
Stiffeners corroded through at both ends of stringers
- 19 . Bracing/Diaphragms light to moderate corrosion of most bracing
- 26 . Pins/Bolts/Rivets missing bolts on a couple diaphragms
light to moderate corrosion of most bolts
- 31 . Wearing Surface Some rotted sections of running surface with fungal fruit bodies growing

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Item Notes:

- 35 . Railings/Parapets Bolts loose or missing at southwest parapet connection, railings still bent as previously noted
Railing slightly pushed out approx 1/3 from south end both sides of bridge
- 39 . Signing/Lighting Minor damage on W-54's
Missing barrier reflectors
- 40 . Roadway Approaches Asphalt patched at bridge ends - potholes forming at North approach
- 41 . Roadway Flares Some cracked and damaged barrier pieces
one damaged barrier reflector

Item Condition Photos:

2 Channel



Filename: P6192630.JPG



Filename: P6192629.JPG

4 Substructure Scour



North abutment footing



Filename: P6192631.JPG

6 Abutments



Filename: DSCN2779.JPG



North abutment

11 Bearings



Filename: DSCN2776.JPG

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Item Condition Photos:

16 Stringers



Filename: DSCN2767.JPG



Filename: P6192628.JPG



Filename: DSCN2769.JPG



Filename: DSCN2777.JPG

19 Bracing/Diaphragms

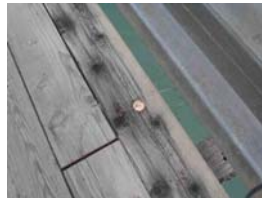


Filename: DSCN2767.JPG



Filename: DSCN2770.JPG

31 Wearing Surface



Filename: P7043660.JPG



Filename: P6192627.JPG



Filename: P7043662.JPG

35 Railings/Parapets



Filename: P6192632.JPG

40 Roadway Approaches



Filename: DSCN2762.JPG

41 Roadway Flares



Filename: P6192625.JPG

Inspection Notes:

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no water flowing during 2016 inspection

Drainage Area Description

SMALLRIVER, MODERATE FLUCTUATION.

Rehab Work Notes

Replace with two lane structure.

Maintenance Work Notes

Brush 5m around structure when required

Tighten loose railing bolts

Armour potential scour location

Repair railing where the railing is leaning out slightly

Repair corroded stiffeners on stringers

clean debris buildup around bearings and stringer ends at both abutments

replace missing bracing bolts