

CK-2362

KOOKIPI WEST 400 6.5km

2018 Inspection



CBR iPad Offline Ver 0.28

## CBR Data

|                              |                            |
|------------------------------|----------------------------|
| Latitude                     | Longitude                  |
| 49°56'30.99"                 | -121°44'38.9"              |
| Crossing Name                | West Fork Kookipi Creek    |
| FSR #                        | 6996      Branch #    7    |
| Road Name                    | KOOKIPI WEST 400           |
| User km                      | 6.5                        |
| Current Load Rating (tonnes) | 68                         |
| 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                        | 1                          |
| Total Length (m)             | 30.5                       |
| Deck Width (m)               | 4.9                        |

## Updated Data

|              |                            |
|--------------|----------------------------|
| Latitude     | Longitude                  |
| 49°56'31.26" | -121°44'39.01"             |
| HD Diff. (m) | 8.4      Accuracy (m)    5 |

## Inspection

Date of Inspection    2018-06-12 1:10:44 PM

Inspector Name      Tyson Miller

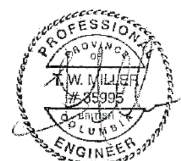
Recommended Next Inspection Year    2021

Inspection Company    MFLNRO

Inspector Comments

## P.Eng Comments

Replace guardrail, risers and blocks. Repair the damage noted to the 2 panels near the center of the bridge. Clean debris off deck, post bridge ahead signs add fill to approaches and reset no posts. The present load rating of L75 or 68 tonnes to continue.



03/07/2018

P.Eng Seal

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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 Good

Posted Load Rating Not posted

Road Surface Poor Road semi deactivated

## Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete

Caps or Sills

Piles or Posts Good

Ballast Wall Good

Wing Wall

Bracing Good

Hardware

Fill Fair

Riprap Good

Bearings Good

Corrosion Protection Good

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**Deck**

|                 |      |                                      |
|-----------------|------|--------------------------------------|
| Running Surface | Fair | 10 panels, flared at both approaches |
|-----------------|------|--------------------------------------|

|                |  |  |
|----------------|--|--|
| Running Planks |  |  |
|----------------|--|--|

|          |  |  |
|----------|--|--|
| Sub Deck |  |  |
|----------|--|--|

|      |  |  |
|------|--|--|
| Ties |  |  |
|------|--|--|

|       |  |  |
|-------|--|--|
| Nails |  |  |
|-------|--|--|

|                      |  |  |
|----------------------|--|--|
| Deck to Girder Bolts |  |  |
|----------------------|--|--|

|               |      |                                                          |
|---------------|------|----------------------------------------------------------|
| Concrete Deck | Fair | Damage noted to underside of 2 panels on downstream ends |
|---------------|------|----------------------------------------------------------|

|               |      |  |
|---------------|------|--|
| Grout Pockets | Good |  |
|---------------|------|--|

|             |      |  |
|-------------|------|--|
| Deck Joints | Good |  |
|-------------|------|--|

|                  |  |  |
|------------------|--|--|
| Steel Deck Plate |  |  |
|------------------|--|--|

|                |  |  |
|----------------|--|--|
| Gravel Surface |  |  |
|----------------|--|--|

|                        |      |        |
|------------------------|------|--------|
| Curb Rail/Blocks/Posts | Poor | Rotten |
|------------------------|------|--------|

|                     |  |  |
|---------------------|--|--|
| Hand Rails/Walkouts |  |  |
|---------------------|--|--|

|          |      |                  |
|----------|------|------------------|
| Hardware | Poor | Loose rail bolts |
|----------|------|------------------|

|                        |      |                                 |
|------------------------|------|---------------------------------|
| Overall Deck Condition | Poor | Due to rail and panel condition |
|------------------------|------|---------------------------------|

|                   |  |  |
|-------------------|--|--|
| Gravel Depth (mm) |  |  |
|-------------------|--|--|

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**Steel/Concrete**

Girders Good

Diaphragms Good

Bracing Good

Under Trussing

Hardware Good

Welded/grouted  
shear connectors**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)  | 0.5  | High Water  | <input type="checkbox"/> | Debris | <input type="checkbox"/> |
| Estimated Present Water Level Width (m)  | 15.0 | Aggradation | <input type="checkbox"/> | Scour  | <input type="checkbox"/> |
| Estimated High Water Level Clearance (m) | 4.0  | Ice         | <input type="checkbox"/> |        |                          |

Comments

## Repairs and Monitoring

Repair

| Item | Priority | Repair Description |
|------|----------|--------------------|
|------|----------|--------------------|

- |   |        |                                                                                          |
|---|--------|------------------------------------------------------------------------------------------|
| 1 | Medium | Replace guardrail, risers and blocks                                                     |
| 2 | Medium | Repair damage noted to 2 panels on downstream ends                                       |
| 3 | Medium | Clean debris off deck, post bridge ahead signs add fill to approaches and reset no posts |

| Item | Monitor Description | Frequency |
|------|---------------------|-----------|
|------|---------------------|-----------|

1

2

3

Sketch  
(Select Signature)



Approach from Right Bank when facing downstream



Upstream from Crossing



Deck



Downstream from Crossing



Approach from Left Bank when facing downstream



Minor spalling noted on left bank wall and panel 1



Downstream left approach barriers failing



Damage noted under 2 panels with rebar showing



Structure ID



Superstructure



Left Bank Abutment when facing downstream