SC-8214
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# THEODOSIA 6.4km

2022 Inspection

CBR iPad Offline Ver 0.36

## CBR Data

| Latitude | Longitude |
|---|---|
| 49°58'36.9" | -124°40'23.9" |

| | |
|---|---|
| Site Status | Active |
| Insp. Status | Inspect |
| Crossing Name | Hernandez Creek |
| FSR # | 6423 |
| Branch # | 2 |
| Road Name | THEODOSIA |
| User km | 6.4 |
| Previous Load Rating (tonnes) | 136 |
| 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) | 36.6 |
| Deck Width (m) | 4.88 |

## Updated Data

| Latitude | Longitude |
|---|---|
| °0'0" | °0'0" |

| | | | |
|---|---|---|---|
| HD Diff. (m) | 5563405.0 | Accuracy (m) | |

## Inspection

| | |
|---|---|
| Date of Inspection | 2022-11-07 2:51:21 PM |
| Inspector Name | Richard Mills |
| Inspector Comments | |
| Serial/ID Plate | |
| Recommended Next Inspection | 2025 |
| Inspection Company | MoF |

P.Eng Comments

Load Rated by: Richard Mills, P.Eng. Jan 18, 2023
Load Rating: L150 or 136 tonnes
Next Inspection: 2025

PERMIT TO PRACTICE: 1003022

## Approach

Alignment: Good

Bridge Ahead Signs Missing: ○ 0 ○ 1 ● 2

Brushing Required: N

Delineator Missing Left: ○ 0 ● 1 ○ 2

Delineator Missing Right: ○ 0 ● 1 ○ 2

Fender Condition: Good

Posted Load Rating:

Road Surface: Good

## Abutment

Log/Timber Cribs:

Tie Backs:

Bin Wall:

Pier:

Concrete: Good

Caps or Sills: Good

Piles or Posts: Good

Ballast Wall: Good

Wing Wall:

Bracing: Good

Hardware: Good

Fill: Good

Riprap: Good

Bearings: Good

Corrosion Protection: Good

## Deck

| | |
|---|---|
| Running Surface | Good |
| Running Planks | |
| Sub Deck | |
| Ties | |
| Nails | |
| Deck to Girder Bolts | |
| Concrete Deck | Good |
| Grout Pockets | Good |
| Deck Joints | Good |
| Steel Deck Plate | |
| Gravel Surface | |
| Curb Rail/Blocks/Posts | Good |
| Hand Rails/Walkouts | Good |
| Hardware | Good |
| Overall Deck Condition | Good |
| Gravel Depth (mm) | |
| Pier Deck | |

## Steel/Concrete

| | | |
|---|---|---|
| Girders | Good | |
| Diaphragms | Good | |
| Bracing | Good | |
| Under Trussing | | |
| Hardware | Good | Splice appears ok |
| 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 |
|---|---|---|---|---|---|---|

## Hazards

| | | | |
|---|---|---|---|
| Estimated Present Water Level Depth (m) | 1 | High Water ☐ | Debris ☐ |
| Estimated Present Water Level Width (m) | 3 | Aggradation ☐ | Scour ☐ |
| Estimated High Water Level Clearance | 15 | Ic ☐ | |

Comments

## Repairs and Monitoring

| | Repair Item | Repair Description |
|---|---|---|
| 1 | Structure. Delineator maintenance. . Priority:Medium | Add delineators |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |

| Item | Monitor Description | Frequency |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |

Approach from Right Bank when facing downstream

Approach from Left Bank when facing downstream

Deck

Upstream Profile

Downstream Profile

Upstream Profile

Downstream Profile

Left Bank Abutment when facing downstream

Upstream Profile

Left Bank Abutment when facing downstream