|  |  |  |
| --- | --- | --- |
| **Structure ID** |  | **Name** |
| 8086 |  | - |
| **Crossing Name** |  | **Alt. Name** |
| Smothering Creek |  | - |
| **Structure Type** |  | **Owner** |
| Bridge |  | TMR Department of Transport & Main Road |
| **Construction Type** |  | **District** |
| Girder/Beam |  | 12 Wide Bay District |
| **Construction Material** |  | **LGA Id** |
| Timber |  | 228 Fraser Coast Regional Council |
| **Inspector** | **Date** |  | **Date of Next Inspection** | **Work Item No.** |
| Evan T Matthews | 26/06/2016 |  | 18/05/2017 | - |
| **Inspection Level 1** | **Programmed** | **[x]**  | **Exceptional** | **[ ]**  | **Perm. Standing Water** | **[ ]**  |
|  |  | **Vermin Screens** | **[ ]**  | **Security Measures** | **[ ]**  |
|  |
| **Road Section** | **Start** | **End** | **TDist** |
| **Id** | **Description** | **S** | **Cway** | **S** | **RPC** | **Dist** | **RPC** | **Dist** | **Start** | **End** |
| 487 | Brooweena – Woolooga Road | C | 1 | C | 4 | 0.000 | 4 | 0.018 | 28.151 | 28.169 |

| **Structure Id** | **Name** | **Inspection date** | **Inspection Level** |
| --- | --- | --- | --- |
| 8086 | -- | 18/05/2016 | **1** | **Programmed** | **Exceptional** | **Vermin Screens** | **Perm. Standing Water** | **Security Measures** |
| **[ ]**  | **[x]**  | **[ ]**  | **[ ]**  | **[ ]**  | **[ ]**  |
|  |  |  |  |  |  |
| **Inspection Elements****(\*Refer to bottom of form)** | **Problem****(tick)** | **Location and comments (include maintenance activity number)** | **Rectified** | **Mtce Required** | **Inspect Required** |
| **Y** | **N** | **Y** | **N** | **Y** | **N** | **Y** | **N** |
| **Approaches**1. **Signs/Delineation**
 |  |  |  |  |  |  |  |  |  |
| * + completeness
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + loose/missing fixings
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + damage
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + cleanliness
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + orientation
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| 1. **Guardrail**
 |  |  |  |  |  |  |  |  |  |
| * + correct height/alignment
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + loose or missing fixings
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + impact damage
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + material deterioration (steel corrosion, timber decay etc.)
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + damaged/missing spacer blocks
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + connection to bridge barrier (the approach barrier and bridge barrier should preferably be interconnected. If not, note in “Comments” section of report form).
 | **[x]**  | **[ ]**  | Not all Gr are connected | **[ ]**  | **[x]**  | **[x]**  | **[ ]**  | **[ ]**  | **[x]**  |
| 1. **Road Drainage**
 |  |  |  |  |  |  |  |  |  |
| * + debris/vegetation growth inside drains, channels, inlet/outlet pits and sumps which may obstruct free drainage
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + leaking drainage pits/structures
 | **[ ]**  | **[x]**  |       | [ ]  | **[x]**  | [ ]  | **[x]**  | [ ]  | **[x]**  |
| * + scour/erosion at drainage outlets, particularly adjacent to abutments/foundations, culvert outlets and deck run-off
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| 1. **Wearing Surface**
 |  |  |  |  |  |  |  |  |  |
| * + settlement
 | **[x]**  | **[ ]**  | Settlement & bleeding within both approaches | **[ ]**  | **[x]**  | **[x]**  | **[ ]**  | **[ ]**  | **[x]**  |
| * + depressions
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + pot holes
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + cracking
 | **[x]**  | **[ ]**  | Moderate cracking over concrete joints within both approaches due to loose deck planks | **[ ]**  | **[x]**  | **[x]**  | **[ ]**  | **[ ]**  | **[x]**  |
| **Surface over Structure**1. **Wearing Surface**
 |  |  |  |  |  |  |  |  |  |
| * + settlement
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + depressions
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + pot holes
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + cracking
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| 1. **Footways (if any)**
 |  |  |  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + unevenness/trip hazards
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| 1. **Bridge Barrier**
 |  |  |  |  |  |  |  |  |  |
| * + correct height/alignment
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + loose or missing fixings
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + impact damage
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + material deterioration (steel corrosion, timber decay etc.)
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + damaged/missing spacer blocks
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + delineators for completeness, damage, cleanliness, orientation and visibility to road users
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| 1. **Deck Joints**
 |  |  |  |  |  |  |  |  |  |
| * + loose/missing fixings
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + damaged/missing components
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + dirt/detritus build up in joints which may impede free movement
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + leakage
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + damage/deterioration of nosings
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| **Embankments and Waterways**1. **Embankments**
 |  |  |  |  |  |  |  |  |  |
| * + erosion
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + scour
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + slope stability
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| 1. **Slope/batter protection**
 |  |  |  |  |  |  |  |  |  |
| * + undermining
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + settlement
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + loss of material
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| 1. **Vegetation**
 |  |  |  |  |  |  |  |  |  |
| * + bushes, trees within 2.0 m of abutments and wingwalls
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + bushes/trees within waterway channel
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + vegetation affecting sight distance onto/across structure
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| 1. **Waterway**
 |  |  |  |  |  |  |  |  |  |
| * + accumulation of debris against or adjacent to structure
 | **[x]**  | **[ ]**  | Flood debris caught on piers primarily U/S | **[ ]**  | **[x]**  | **[x]**  | **[ ]**  | **[ ]**  | **[x]**  |
| * + localised scour adjacent to/beneath the structure
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + lateral bank erosion adjacent to/beneath the structure
 | **[x]**  | **[ ]**  | Minor erosion at spans 1 & 3 | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + channel degrading
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + channel aggrading
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + structure in permanent standing water
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| **Substructure**1. **Abutments, piers, wingwalls, retaining structures and foundations**
 |  |  |  |  |  |  |  |  |  |
| * + cracking
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + splitting
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + distortion
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + movement
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + steel corrosion
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + vegetation growth in joints of coursed masonry/fascia panels
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + weepholes for blockages affecting free drainage
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + timber members for decay, termite activity, marine borer and other insect attack
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| 1. **Headstocks, bearing pedestals and substructure drains**
 |  |  |  |  |  |  |  |  |  |
| * + accumulation of dirt and debris which may obstruct free drainage and cause ponding or restrict bearing movement
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| 1. **Bearings**
 |  |  |  |  |  |  |  |  |  |
| * + corrosion
 | **[ ]**  | **[x]**  | Corbels inspected instead | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + excessive deflection/bulging
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + delamination of elastomeric bearings
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + damage to pedestals/plinths
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + noticeable build-up of deposits of aggressive salts, silt, debris and bird or bat droppings
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| **Superstructure**1. **Deck/Girders**
 |  |  |  |  |  |  |  |  |  |
| * + obvious evidence of spalling, cracking, staining, dampness or corrosion
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + excessive movement/vibration under load
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + for noticeable build-up of deposits of aggressive salts, silt, debris and bird or bat droppings
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + blocked vent holes
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + timber members for termite activity, rotting, marine borer and other insect attack
 | **[x]**  | **[ ]**  | All deck spans exhibit end rot | **[ ]**  | **[x]**  | **[x]**  | **[ ]**  | **[ ]**  | **[x]**  |
| * + timber members for excessive member deflections
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + timber girders and corbels for excessive sniping
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + loose joints and fasteners
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + propping for tightness of wedges in deck cambering or temporary works
 | **[ ]**  | **[x]**  |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| 1. **Culvert Barrel**
 |  |  |  |  |  |  |  |  |  |
| * + distortion /deflection of barrel
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + invert corrosion/abrasion
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + obvious evidence of spalling, cracking, staining, dampness or corrosion
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| **Large Traffic Management (LTMS) and gantries**1. **Footings**
 |  |  |  |  |  |  |  |  |  |
| * + obvious evidence of spalling, cracking or reinforcement corrosion
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + rotation/settlement
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + erosion/undermining
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| 1. **Base Plates, Fittings and Hold-Down Bolts**
 |  |  |  |  |  |  |  |  |  |
| * + cracking, spalling or voids in mortar pad
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + debris/fill over base plate
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + corrosion of fixings/base plate
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + loose/missing fixings and thread engagement
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| 1. **Columns**
 |  |  |  |  |  |  |  |  |  |
| * + Corrosion, buckling, bending, rupture, rotation or misalignment of sections
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + Impact damage
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + Verticality of members
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + Protective coating loss
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + Loose/missing fixings and thread engagement
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| 1. **Cantilever arms/gantry beams**
 |  |  |  |  |  |  |  |  |  |
| * + corrosion, buckling, bending, rupture, rotation or misalignment of sections
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + separation/distortion at joints/splices
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + sagging of members
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + protective coating loss
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + loose/missing fixings and thread engagement
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| 1. **Signage and Ancillaries**
 |  |  |  |  |  |  |  |  |  |
| * + Completeness, damage, cleanliness, orientation and visibility to road users
 | **[ ]**  | **n/a** |       | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| **Miscellaneous**1. **Roadway Beneath Structure**
 |  |  |  |  |  |  |  |  |  |
| * + delineation
 | **[ ]**  | **n/a** |  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + barriers
 | **[ ]**  | **n/a** |  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| * + road drainage
 | **[ ]**  | **n/a** |  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| 1. **Services**
 |  |  |  |  |  |  |  |  |  |
| * + location and condition of any services attached to or in close proximity to the structure
 | **[ ]**  | **[x]**  |  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |
| 1. **Appearance**
 |  |  |  |  |  |  |  |  |  |
| * + graffiti
 | **[ ]**  | **[x]**  |  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  | **[ ]**  | **[x]**  |

|  |  |
| --- | --- |
| **Material \*** | **Defects Description** |
| Concrete | Cracking, spalling, corrosion of reinforcement, drummy areas |
| Steel | Bending, buckling, cracking, distortion, loose bolts, rivets, corrosion, coating damage |
| Timber | Splitting, crushing, decay, infestation, loose bolts or pins |
| Masonry | Cracking, opening joints, mortar loss, bulging |
| Bituminous Surfacing | Cracking, crazing, breaking up, lifting off, rutting, pushing |
| Protective Coatings | Cracked, peeling, weathered |
| \*\* Steel Culverts | Probe or sound culvert walls at normal water level, check for pitting or loss of culvert material |

|  |
| --- |
| **General Comments**Rebhab. works completed in 2014. |

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| **Vermin Screen Comments**      |

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| **Security Measures Comments**      |