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| **Structure Number:** |  | **Crossing Name:** |  |
| **Road Name:** |  | **Road Number:** |  |
| **SLK:** |  | **Local Authority:** |  |
| **BMA:** |  | **Latitude:** |  |
| **Inspected By:** |  | **Longitude:** |  |
| **Inspection Date:** |  |  |  |
|  |  |  |  | |

## Have structural issues been found that require further investigation? (Y/N)

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| **Inspection Item** | **Defect** | | **Comments**  *(Including location and extent)* | **Maint. Required** |
| **Yes** | **No** |
| **1. Road Surface**  Signs and Delineators: missing, damaged, obscured  Road Surface and Footpaths: material defects, surfacing defects, settlement, depressions, joint  transitions, kerbing, shoulders |  |  |  |  |
| **2. Guardrails/Barriers** Accident damage, connections, alignment, material defects |  |  |  |  |
| **3. Road Drainage**  Scuppers, drains, gully traps, erosion |  |  |  |  |
| **4. Waterways, Vegetation and Debris**  Vegetation and debris in waterways and clearance envelope Embankment erosion, scour,  damaged guide-banks |  |  |  |  |
| **5. Footpaths**  Drainage, even surface, surface condition, railing |  |  |  |  |
| **6. Expansion Joints and Deck Joints** Loose/damaged fixings,  damaged/missing seals, damage to deck/nosings, obstructions in gap, gaps closed, decks in  contact/damaged |  |  |  |  |
| **7. Bearings**  Bearings displaced or damaged, seating, corrosion, seized |  |  |  |  |
| **8. Superstructure**  Material defects or damage to beams/stringers, fasteners, soffit, cross bracing or coatings  Debris/dirt build-up, impact damage, excessive movement/vibration, dampness through deck, condition of  air release holes |  |  |  |  |
| **9. Substructure**  Material defects to piles, footings, walls or capbeams  Movement of abutment or wing walls Substructure protection (bridges over road/rail) |  |  |  |  |

**Defect Descriptions**

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| **Material** | **Defect Descriptions** |
| Concrete | Cracking (hairline: ≤0.1mm) (fine: >0.1 & ≤0.3mm) (medium: >0.3mm & ≤0.7mm) (heavy: >0.7mm), spalling, corrosion of reinforcement, rust staining, efflorescence |
| Steel | Bending, buckling, cracking, distortion, corrosion, protective coating damage/deterioration, loose fasteners |
| Timber | Splitting, crushing, rot, failure, termites/termite nest |
| Masonry | Cracking, opening of joints, mortar loss, bulging |
| Bituminous Surfacing | Cracking, crazing, breaking up, heaving, shoving, rutting |
| Protective Coating | Cracked, weathered, peeling, flaking, oxidising |

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| **General Comments** |
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| **Ancillary Items (such as service attachments etc.)** |
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This bridge has been inspected in accordance with the requirements of the Main Roads Western Australia Bridge Inspection Manual for Level 1 Inspections.

# Signature: Position: Date:

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| **Structure Number:** |  | **Crossing Name:** |  |
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| **Inspection Date:** |  |  |  |
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Photo 1:

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Photo 2:

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Photo 3:

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| Photo 4: |
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Photo 6:

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Photo 7:

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Photo 8:

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Photo 9:

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| Photo 10: |