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| --- | --- | --- | --- | --- |
| **Bridge Name:Harper Avenue** | **Bridge type:Single span** | **Highway/RoadCarlton Mill / Rolleston Ave** | **RP:** | **BSN:CC23** |
| **Marking code**0 = Not inspected1 = Satisfactory2 = Monitor next inspectionR = Routine maintenance (*provide comment*)S = Scheduled maintenance (*provide comment*)N = Not applicable | Deck width: 10 m | GPS (lat,long): -43.5208303,172.6255355 |
| Total Bridge length: 16 m | Owner: Christchurch City Council |
| Span: 1 of 1 | Weather: Sunny, Fine |
| Span length: 16 m |  |
| Inspector: Mark English | Inspection type: Routine |
| Date: 01-Jun-2016 | Date (mth/yr):  | Next inspection type: General |
| **Element** | **Mark** | **Brief description of defect and comments** |
| **Set** | **No** | **Description** |
| **Superstructure Elements** | 1 | Primary load carrying element | **1** |  |
| 2 | Secondary element(s) | Transverse beams | **0** |  |
| 3 | Other (incl. deck) | **R** | Splitting on deck |
| 4 | Half joints | **0** |  |
| 5 | Seismic linkages/holding down bolts | **0** |  |
| 6 | Parapet beam or cantilever | **0** |  |
| 7 | Cross bracing | **0** |  |
| **Load-bearing Substructure** | 8 | Foundations | **0** |  |
| 9 | Abutments | **R** | Cracking in concrete skim - needs checking |
| 10 | Head wall | **0** |  |
| 11 | Pier / column | **0** |  |
| 12 | Cross-head / capping beam | **0** |  |
| 13 | Bearings | **0** |  |
| 14 | Bearing plinth / shelf | **0** |  |
| **Durability Elements** | 15 | Superstructure drainage | **0** |  |
| 16 | Substructure drainage | **0** |  |
| 17 | Movement / expansion joints | **0** |  |
| 18 | Painting: superstructure elements | **0** |  |
| 19 | Painting: substructure elements | **0** |  |
| 20 | Painting: barriers / guardrails | **R** |  |
| **Safety Elements** | 21 | Access / walkways / gantries | **R** | Spilled concrete needs clearing |
| 22 | Guardrail / handrail / safety fences | **S** | Balustrade missing - very hazardous. Wired in place |
| 23 | Carriageway surfacing | **0** |  |
| 24 | Footway/verge / footbridge surfacing | **0** |  |
| **Waterway Elements** | 25 | Invert / river bed | **1** |  |
| 26 | Aprons | **1** |  |
| 27 | River bed upstream | **1** | Clear of sediment |
| 28 | River bed downstream | **1** |  |
| 29 | Scour | **0** |  |
| 30 | River banks | **1** |  |
| **Retaining Elements** | 31 | Revetment / batter slope paving | **0** |  |
| 32 | Wing walls | **0** |  |
| 33 | Retaining walls | **0** |  |
| 34 | Embankments | **0** |  |
| **Other** | 35 | Approach rails / barriers / walls | **0** |  |
| 36 | Approach adequacy | **0** |  |
| 37 | Signs | **1** |  |
| 38 | Lighting | **2** |  |
| 39 | Services | **0** |  |
| 40 | Appearance | **R** |  |

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| **Bridge Name:Harper Avenue** | **Bridge type:Single span** | **Highway/RoadCarlton Mill / Rolleston Ave** | **RP:** | **BSN:CC23** |
|  |
| **Comments and recommendations for maintenance/repairs** |
| **Item no.** | **Element no.** | **Suggested remedial work** | **Priority (H/M/L)** | **Estimated cost** |
| 1. **1**
 | 3 | Resurface and investigate drop | M |  |
| 1. **1**
 | 9 | Investigate cracksReskim concrete | H |  |
| 1. **1**
 | 20 | Scrub and clean | L | 300 |
| 1. **1**
 | 21 | Chip off spilled concrete | M | 500 |
| 1. **1**
 | 22 | Fix guard fence in place. | H | 600 |
|  | **Total Cost** | $1400 |
|  |
| Remedial work recommended in last inspection has been completed : **YES** (*comment below if NO*) |
|  |
| Transport Agency database changes required : **NO** (*Describe change if answer is YES*) |
|  |
| **Comments & Recommendations Relating to Future Management (Transfer to current report)** |
| * Look to renewing concrete skim.
 |
| Inspection by(print Name) : | Mark English | Signature: | Date: 01-Jun-2016 |
| Reviewed by(print Name) : |  | Signature: | Date: |
| Approved by(print Name) : |  | Signature: | Date: |