|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Bridge Name: Harper Avenue** | | | | | **Bridge type: Single span** | | | **Highway/Road Carlton Mill / Rolleston Ave** | **RP:** | **BSN: CC23** |
| **Marking code**  0 = Not inspected  1 = Satisfactory  2 = Monitor next inspection  R = 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** |  | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Bridge Name: Harper Avenue** | | | | | **Bridge type: Single span** | **Highway/Road Carlton 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 cracks  Reskim 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: | | | | |