Based on Volume 2 Addendum: August 2004

| | | Inspection Pro Forma | | | | | | | Ва | ased on Volume 2 Addendum: August 2004 |
|---------------------------|-----------------------------|--|-------------|----|--------|--------------|---------|--------|-------------|---|
| | | spection CSS | Inspector: | | | | | | | Form 1 of 3 for this bridge |
| | | me: CLODDACH | | 10 | | <i>r</i> 10. | 4.55 | | | Date: 02/07/2019 |
| Blide | je Rei | /No: C2E/20 | | _ | an W | | | | | Map Ref: 320172, 858398 |
| | | | | Sp | an Le | ength | 1: 6.7 | '3m | | Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface |
| Snar | Span description: west span | | | | | | | | | Primary Deck Material: E Steel |
| | | ground elements inspecte | d. Vas | Ph | otogi | anhs | · Ye | 2 | | Secondary Deck Form: 23 Jack Arch - No |
| | | | | 1 | lotogi | арпо | j. 10. | | | Transverse Beams |
| Num | ber of | construction forms in brid | ige/span: 1 | | | | | | | Secondary Deck Material: B Plain / Mass Concrete |
| Set | No | Element Descri | - | S | Ех | Def | W | Р | Cost | Comments |
| S | | Primary Deck Element (T | • | 5 | Ε | 1.1 | RM | | ###### | New bridge required |
| ent | 3 | Secondary Deck Element Element From Table 3 | 1/5 - | 5 | E | 3.5 | RM | Н | ###### | Replace bridge |
| Deck Elements | 7 | Deck Bracing | | 5 | Е | 1.1 | RM | М | ###### | Replace bridge |
| 面 | | | | | | | ĺ | | | |
| eck | | | | | | | | | | |
| ۵ | | | | | | | | | | |
| | | Foundations | | 4 | ^ | o 1 | ? | 0 | | |
| Sub | | Foundations Abutments (Incl. Arch Sp | ringina) | 1 | A D | 6.1 2.5 | ? RM | ? H | 0 ###### | Replace bridge |
| <u>ත</u> ව | | Pier/Column | 99/ | 5 | E | 2.2 | RM | | ###### | Replace bridge |
| d Bearing Structure | | | | | | | | | | |
| Bea | | | | | | | | | | |
| 3d | | | | | | | | | | |
| Load Bearing Structure | | | | | | | | | | |
| | 16 | Substructure Drainage | | 2 | С | 0.4 | ı | M | 1 000 | Investigate drainage |
| ent | | Waterproofing | | 5 | E | 8.1 14.2 | | | ###### | Replace bridge |
| em | | Painting: Deck Elements | | 5 | Ē | 4.1 | RM | | ###### | Replace bridge |
| Ĭ | 21 | Painting: Parapets/Safety | / Fences | 5 | Е | 4.1 | RM | М | ###### | Replace bridge |
| lity | | | | | | | | | | |
| abi | | | | | | | | | | |
| Durability Elements | | | | | | | | | | |
| | 23 | Handrail/Parapets/Safety | Fences | 5 | Е | 1.1 | RM | Н | ###### | Replace bridge |
| Safety Elements | 24 | Carriageway Surfacing | | 3 | D | 9.2 | RM | L | 4,000 | Repair |
| me . | 25 | Footway/Verge/Footbridg | e Surfacing | 3 | Е | 5.1 | RV | L | 1,000 | Remove vegetation |
| Ele | | | | | | | | | | |
| ţ | | | | | | | | | | |
| afe | | | | | | | | | | |
| S | | | | | | | | | | |
| | | Invert/River Bed | | 1 | Α | 7.1 | ? | ? | 0 | |
| e G | | Revetment/Batter Paving | | 1 | Α | 3.1 | ? | ? | 0 | |
| Other Bridge Elements | 33 | Embankments | | 2 | В | 11.1 | N | ? | 0 | Cracking in road |
| r B | | | | | | | | | | |
| the | | | | | | | | | | |
| Ö | | | | | | | | | | |
| | | | | | | | | | | |
| nts | | Approach Rails/Barriers/\ | Nalls | 3 | E | 3.5 | RM | L | | Repair |
| me | | Signs Services | | 1 | A | 1.1 | ? | ? | 0 | Ding alianed to week and the second |
| <u> </u> | 38 | GEI VICES | | ' | Α | 1.1 | ؛ | ۲ | | Pipe clipped to upstream parapet at deck level outside |
| Z | | | | | | | | | | iova, outdide |
| ia I | | | | | | | | | | |
| Ancilliary Elements | | | | | | | | | | |
| ₹ | | | | | | | | | | |
| | | | | | | | | | | |

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Date: 01/01/9999



Name: ?

| Multiple Defects | | | | | | | | | |
|-------------------|------------------|----------|--------|--------|----------------------------|--|--|--|--|
| Element Number | Defect Number | Severity | Extent | Defect | Comments | | | | |
| 9 | 1 | 2 | D | 34 | vertical crack in abutment | | | | |

Inspector's Comments

No comments recorded by inspector.

Name: Signed: Date: 02/07/2019

Signed:

Engineer's Comments

No comments recorded by engineer.

Work Required Reference No. **Suggested Remedial Work Priority Estimated Cost** R Repair / Maintain High £500,000 3 High £500,000 R Repair / Maintain Medium £500,000 7 R Repair / Maintain 9 £0 N No Action Monitor Only 9 High £500,000 R Repair / Maintain 11 High £500,000 R Repair / Maintain Medium 16 £1,000 To be investigated 17 High £500,000 R Repair / Maintain 19 Medium £500,000 R Repair / Maintain 21 Medium £500,000 R Repair / Maintain 23 High £500,000 R Repair / Maintain £4,000 24 R Repair / Maintain Low 25 £1,000 REMOVE VEGETATION Low 33 £0 N No Action Monitor Only 35 Low £2,000 R Repair / Maintain

Based on Volume 2 Addendum: August 2004

| Gen | eral In | spection CSS Inspector: | | | | | | | Form 2 of 3 for this bridge |
|---------------------------|---------|--|--------|--------|------------|----------|---|--------|--|
| Brido | ge Nai | me: CLODDACH | | | | | | | Date: 02/07/2019 |
| Brido | ge Ref | /No: C2E/20 | Sp | an W | /idth: | 4.55 | īm | | Map Ref: 320172, 858398 |
| | | | Sp | an Le | ength | : 6.7 | 3m | | Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface |
| Spar | n desc | ription: centre span | • | | | | | | Primary Deck Material: E Steel |
| | | ground elements inspected: Yes | Ph | otogi | aphs | : Yes | 3 | | Secondary Deck Form: 23 Jack Arch - No Transverse Beams |
| Num | ber of | construction forms in bridge/span: 1 | | | | | | | Secondary Deck Material: B Plain / Mass Concrete |
| Set | No | Element Description | S | Ex | Def | W | Р | Cost | Comments |
| Jet | | • | | E | | RM | | ###### | |
| S. | | Primary Deck Element (Table 2) Secondary Deck Element/S - | 5 5 | E | 1.1 3.5 | RM | | ###### | New bridge required Replace bridge |
| Elements | J | Element From Table 3 | ľ | - | 0.0 | | | | Tropiaco sinago |
| em | 7 | Deck Bracing | 5 | Е | 1.1 | RM | М | ###### | Replace bridge |
| Ē | | | | | | | | | |
| Deck | | | | | | | | | |
| De | | | | | | | | | |
| | | | | | | | | ļ | |
| Sub | _ | Foundations | 1 | A | 6.1 | ? | ? | 0 | |
| S | 11 | Pier/Column | 5 | Е | 2.2 | RM | Н | ###### | Replace bridge |
| Load Bearing Structure | | | | | | | | | |
| eal | | | | | | | | | |
| J B | | | | | | | | | |
| oac | | | | | | | | | |
| Ľ | | | | | | | | | |
| ıts | 17 | Waterproofing | 5 | Е | 14.2 | RM | Н | ###### | Replace bridge |
| Jen | 19 | Painting: Deck Elements | 5 | Е | 4.1 | RM | M | ###### | Replace bridge |
| len | 21 | Painting: Parapets/Safety Fences | 5 | Е | 4.1 | RM | M | ###### | Replace bridge |
| / E | | | | | | | | | |
| ilit | | | | | | | | | |
| ab. | | | | | | | | | |
| Durability Elements | | | | | | | | | |
| | 23 | Handrail/Parapets/Safety Fences | 5 | E | 1.1 | RM | Н | ###### | Replace bridge |
| Safety Elements | | Carriageway Surfacing | 3 | D | 9.2 | RM | L | 4,000 | Repair |
| me | 25 | Footway/Verge/Footbridge Surfacing | 3 | Е | 5.1 | RV | L | 1,000 | Remove vegetation |
| <u>ie</u> | | | | | | | | | |
| Y | | | | | | | | | |
| afe | | | | | | | | | |
| Š | | | | | | | | | |
| | 26 | Invert/Piver Ped | | | 7 4 | DI/ | LI | 20,000 | Panair segur to concrete revetment |
| (1) | | Invert/River Bed Revetment/Batter Paving | 5 3 | E C | 7.1 3.1 | RM RM | H | | Repair scour to concrete revetment See element 26 |
| Other Bridge Elements | | Neverment/Batter F aving | ٦ | | 3.1 | I XIVI | • | 20,000 | occ cicinent 20 |
| ther Bridg Elements | | | | | | | | | |
| erl | | | | | | | | | |
| E E | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| nts | 38 | Services | 1 | Α | 1.1 | ? | ? | 0 | Pipe clipped to upstream parapet at deck |
| me | | | | | | | | | level outside |
| <u>=</u> | | | | | | | | | |
| 7 | | | | | | | | | |
| <u>ia</u> | | | | | | | | | |
| Ancilliary Elements | | | | | | | | | |
| Ā | | | | | | | | | |
| | | | | | | | | | |

| | - | _ | _ | |
|----|---|---|---|---|
| | 1 | 4 | | ١ |
| ı, | ı | ı | 7 | ń |

| Multi | nle | Defe | cts |
|-------|-----|------|-----|
| multi | | DCIC | CLO |

No multiple defects recorded

Inspector's Comments

No comments recorded by inspector.

Name: Signed: Date: 02/07/2019

Engineer's Comments

No comments recorded by engineer.

Name: ? Signed: Date: 01/01/9999

| Reference No. | Suggested Remedial Work | Priority | Estimated Cost |
|---------------|-------------------------|----------|----------------|
| 1 | R Repair / Maintain | High | £500,000 |
| 3 | R Repair / Maintain | High | £500,000 |
| 7 | R Repair / Maintain | Medium | £500,000 |
| 11 | R Repair / Maintain | High | £500,000 |
| 17 | R Repair / Maintain | High | £500,000 |
| 19 | R Repair / Maintain | Medium | £500,000 |
| 21 | R Repair / Maintain | Medium | £500,000 |
| 23 | R Repair / Maintain | High | £500,000 |
| 24 | R Repair / Maintain | Low | £4,000 |
| 25 | REMOVE VEGETATION | Low | £1,000 |
| 26 | R Repair / Maintain | High | £20,000 |
| 30 | R Repair / Maintain | High | £20,000 |

Based on Volume 2 Addendum: August 2004

| | | Inspection Pro Forma | | | | | | De | ased on Volume 2 Addendum: August 2004 |
|---------------------------|--------|---|--------|----------|------------|----------|-----|-------------------|--|
| | | spection CSS Inspector: | | | | | | | Form 3 of 3 for this bridge |
| | | me: CLODDACH | | | | | | | Date: 02/07/2019 |
| Bride | ge Ref | /No: C2E/20 | Sp | an W | /idth: | 4.55 | īm | | Map Ref: 320172, 858398 |
| | | | Sp | an Le | ength | : 6.7 | 3m | | Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface |
| Spar | n desc | ription: east span | | | | | | | Primary Deck Material: E Steel |
| All a | bove (| ground elements inspected: Yes | Ph | otogi | aphs | : Yes | 5 | | Secondary Deck Form: 23 Jack Arch - No Transverse Beams |
| Num | ber of | construction forms in bridge/span: 1 | • | | | | | | Secondary Deck Material: B Plain / Mass Concrete |
| Set | No | Element Description | S | Ex | Def | W | Р | Cost | Comments |
| | 1 | Primary Deck Element (Table 2) | 5 | Е | 1.1 | RM | Н | ###### | New bridge required |
| nts | 3 | Secondary Deck Element/S - | 5 | Е | 3.5 | RM | Н | ###### | Replace bridge |
| ner | | Element From Table 3 | | | | | | | |
| <u>e</u> | 7 | Deck Bracing | 5 | Е | 1.1 | RM | M | ###### | Replace bridge |
| Ш | | | | | | | | | |
| Deck Elements | | | | | | | | | |
| ă | | | | | | | | | |
| | | | | | | | | | |
| Sub | | Foundations | 1 | Α | 6.1 | ? | ? | 0 | |
| S | 9 | Abutments (Incl. Arch Springing) | 4 | D | 2.5 | RM | Н | ###### | Replace bridge |
| d Bearing Structure | | | | | | | | | |
| ari | | | | | | | | | |
| Be | | | | | | | | | |
| ad S | | | | | | | | | |
| Load Bearing Structure | | | | | | | | | |
| | | | | | | | | | |
| nts | | Substructure Drainage | 2 | С | 8.1 | | M | | Investigate drainage |
| me | | Waterproofing Painting: Deck Elements | 5 5 | E E | 14.2 | RM RM | | ###### ####### | Replace bridge Replace bridge |
| <u> e</u> | | Painting: Deck Elements Painting: Parapets/Safety Fences | 5 | E | 4.1 4.1 | RM | | ###### ###### | Replace bridge |
| Z | 21 | r annung. r arapets/balety r chees | 3 | - | 4.1 | IXIVI | IVI | mmmm | Treplace bridge |
| ≝ | | | | | | | | | |
| rab | | | | | | | | | |
| Durability Elements | | | | | | | | | |
| | 23 | Handrail/Parapets/Safety Fences | 5 | Е | 1.1 | RM | Н | ###### | Replace bridge |
| ıts | | Carriageway Surfacing | 3 | D | 9.2 | RM | L | | Repair |
| Safety Elements | | Footway/Verge/Footbridge Surfacing | 3 | E | 5.1 | RV | L | | Remove vegetation |
| len l | | , , , , , | | | | | | , | S . |
| Ē | | | | | | | | | |
| ety | | | | | | | | | |
| saf | | | | | | | | | |
| | | | | | | | | | |
| | 26 | Invert/River Bed | 1 | Α | 7.1 | ? | ? | 0 | |
| <u>e</u> | 30 | Revetment/Batter Paving | 1 | Α | 3.1 | ? | ? | 0 | |
| idg | 33 | Embankments | 1 | Α | 11.1 | ? | ? | 0 | |
| Bri | | | | | | | | | |
| ther Bridg Elements | | | | | | | | | |
| Other Bridge Elements | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Ancilliary Elements | | Approach Rails/Barriers/Walls | 3 | E | 3.5 | RM | L | | Repair |
| nei | | Signs | 1 | Α | 1.1 | ? | ? | 0 | |
| ler | 38 | Services | 1 | Α | 1.1 | ? | ? | l ⁰ | Pipe clipped to upstream parapet at deck |
| E | | | | | | | | | level outside |
| ary | | | | | | | | | |
| ≣ | | | | | | | | | |
| luc | | | | | | | | | |
| 4 | | | | <u> </u> | | | | | |
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| | 111 | |
| ı | Wm | |
| | -111 | |

| Multiple Defects | Multi | ple | Defects | |
|------------------|-------|-----|---------|--|
|------------------|-------|-----|---------|--|

No multiple defects recorded

Inspector's Comments

No comments recorded by inspector.

Name: Signed: Date: 02/07/2019

Engineer's Comments

No comments recorded by engineer.

Name: ? Signed: Date: 01/01/9999

| | _ | | |
|---------------|-------------------------|----------|----------------|
| Reference No. | Suggested Remedial Work | Priority | Estimated Cost |
| 1 | R Repair / Maintain | High | £500,000 |
| 3 | R Repair / Maintain | High | £500,000 |
| 7 | R Repair / Maintain | Medium | £500,000 |
| 9 | R Repair / Maintain | High | £500,000 |
| 16 | To be investigated | Medium | £1,000 |
| 17 | R Repair / Maintain | High | £500,000 |
| 19 | R Repair / Maintain | Medium | £500,000 |
| 21 | R Repair / Maintain | Medium | £500,000 |
| 23 | R Repair / Maintain | High | £500,000 |
| 24 | R Repair / Maintain | Low | £4,000 |
| 25 | REMOVE VEGETATION | Low | £1,000 |
| 35 | R Repair / Maintain | Low | £2,000 |