

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: TELFORD FLOOD SPAN

Ref No: NN173

| | | | | |
|--|----------------|------------------------|---|--|
| General Inspection CSS | | Inspector: ? | Form 1 of 1 for this structure | |
| Bridge Name: TELFORD FLOOD SPAN | | | Date: 10/03/2023 | |
| Bridge Ref/No: NN173 | | Span Width: 6.50 m | Map Ref: 328550,845145 | |
| BCI Span Number: ? | BCI Span Total | Length of Span: 5.56 m | Primary Deck Form: 01 Arch - Solid Spandrel | |
| Span description: | | | Primary Deck Material: L Masonry - Stone | |
| All above ground elements inspected: | | Photographs: | Secondary Deck Form: 20 No Secondary Deck Element - No Transverse Beams | |
| Number of construction forms in Bridge/Span: 1 | | | Secondary Deck Material: P No Secondary Element | |

| Condition Indicator and Scores | | | | | | | | | |
|--------------------------------|-------|----------|------|----------|------------|----------|------|--|--|
| Average Score for structure | | | | | Span Score | | | | |
| BCI av | 75.14 | BCS av | 2.27 | BCI av | 75.14 | BCS av | 2.27 | | |
| BCI crit | 55.48 | BCS crit | | BCI crit | 55.48 | BCS crit | 3.10 | | |

| Set | No | Element Description | S | Ex | Def | W | P | Cost | M | Comments |
|---------------|----|---|---|----|-----|---|---|------|---|--|
| Deck Elements | 1 | Primary Deck Element (Table 2) | 3 | C | 3.2 | P | L | 99 | | Extent is masked by the presence of ice. |
| | 2 | Secondary Deck Element/S - Transverse Beams | | | | | | | | |
| | 3 | Secondary Deck Element/S - Element From Table 3 | | | | | | | | |
| | 4 | Half Joints | | | | | | | | |
| | 5 | Tie Beam/Rods | | | | | | | | |
| | 6 | Parapet Beam Or Cantilever | | | | | | | | |
| | 7 | Deck Bracing | | | | | | | | |

| | | | | | | | | | | |
|----------------------------|----|----------------------------------|---|---|-----|---|---|----|--|--|
| Load Bearing Sub-Structure | 8 | Foundations | 1 | A | 1.1 | ? | ? | 0 | | |
| | 9 | Abutments (Incl. Arch Springing) | 2 | C | 3.2 | N | ? | 0 | | |
| | 10 | Spandrel Wall/Head Wall | 2 | D | 3.2 | P | L | 99 | | Spey side of the bridge has vegetation growing from the structure. |
| | 11 | Pier/Column | | | | | | | | |
| | 12 | Cross-head/Capping Beam | | | | | | | | |
| | 13 | Bearings | | | | | | | | |
| | 14 | Bearing Plinth/Shelf | | | | | | | | |

| | | | | | | | | | | |
|---------------------|----|----------------------------------|---|---|------|---|---|----|--|------------------------------|
| Durability Elements | 15 | Superstructure Drainage | | | | | | | | |
| | 16 | Substructure Drainage | | | | | | | | |
| | 17 | Waterproofing | 3 | C | 14.2 | I | L | 99 | | Icicles obscured inspection. |
| | 18 | Movement/Expansion Joints | | | | | | | | |
| | 19 | Painting: Deck Elements | | | | | | | | |
| | 20 | Painting: Substructure Elements | | | | | | | | |
| | 21 | Painting: Parapets/Safety Fences | | | | | | | | |

| | | | | | | | | | | |
|-----------------|----|------------------------------------|---|---|-----|----|---|----|---|---|
| Safety Elements | 22 | Access/Walkways/Gantries | | | | | | | | |
| | 23 | Handrail/Parapets/Safety Fences | 3 | C | 3.5 | RM | L | 99 | ✓ | Spey side of the structure has a crack on the Craigellachie side. |
| | 24 | Carriageway Surfacing | 6 | F | 0.0 | ? | ? | 0 | | Snow prevented inspection. |
| | 25 | Footway/Verge/Footbridge Surfacing | | | | | | | | |

| | | | | | | | | | | |
|-----------------------|----|--|---|---|-----|---|---|---|--|--|
| Other Bridge Elements | 26 | Invert/River Bed | | | | | | | | |
| | 27 | Aprons | | | | | | | | |
| | 28 | Fenders/Cutwaters/Collision Protection | | | | | | | | |
| | 29 | River Training Works | | | | | | | | |
| | 30 | Revetment/Batter Paving | | | | | | | | |
| | 31 | Wing Walls | 2 | C | 3.2 | N | ? | 0 | | |
| | 32 | Retaining Walls | | | | | | | | |
| | 33 | Embankments | | | | | | | | |
| | 34 | Machinery | | | | | | | | |

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| | | | | | | | | | |
|--------------------|----|-------------------------------|--|--|--|--|--|--|--|
| Ancillary Elements | 35 | Approach Rails/Barriers/Walls | | | | | | | |
| | 36 | Signs | | | | | | | |
| | 37 | Lighting | | | | | | | |
| | 38 | Services | | | | | | | |

| | | | | | | | | | |
|-------|----|-----------------|--|--|--|--|--|--|--|
| Other | 39 | Extra Element 1 | | | | | | | |
| | 40 | Extra Element 2 | | | | | | | |
| | 41 | Extra Element 3 | | | | | | | |
| | 42 | Extra Element 4 | | | | | | | |

Multiple Defects

| Element Number | Defect Number | Severity | Extent | Defect | W | P | Cost | Comments |
|----------------|---------------|----------|--------|--------|---|---|------|---|
| 23 | 1 | 3 | D | 3.2 | P | L | £99 | Pointing is in poor condition throughout. All of the copings are loose and appear slightly displaced. |

Inspector's Comments

| | | |
|---------|---------|------------------|
| Name: ? | Signed: | Date: 10/03/2023 |
|---------|---------|------------------|

Engineer's Comments

| | | |
|-------|---------|-------|
| Name: | Signed: | Date: |
|-------|---------|-------|

Work Required

| Reference No. | Suggested Remedial Work | Priority | Estimated Cost |
|---------------|--------------------------|----------|----------------|
| 31 | N No Action Monitor Only | ? | £0 |
| 17 | To be investigated | Low | £99 |
| 1 | POINT | Low | £99 |
| 23 | POINT | Low | £99 |
| 23 | R Repair / Maintain | Low | £99 |
| 9 | N No Action Monitor Only | ? | £0 |
| 10 | POINT | Low | £99 |