

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: CULLEN VIADUCT 4

Ref No: NN076

General Inspection CSS		Inspector: Redacted	Form 1 of 5 for this structure	
Bridge Name: CULLEN VIADUCT 4			Date: 28/11/2023	
Bridge Ref/No: NN076		Span Width: 5.61 m		Map Ref: 351176,867189
BCI Span Number: 5/5	BCI Span Total	Length of Span: 12.00 m		Primary Deck Form: 01 Arch - Solid Spandrel
Span description:				Primary Deck Material: Rc Masonry
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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	C	3.1	I	L	99		Repair appears misshapen. Bricks are the wrong size and aren't tied in. Very poorly repaired.
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	2	B	3.2	N	?	0		
	10	Spandrel Wall/Head Wall	2	C	3.2	N	?	0		
	11	Pier/Column	2	B	3.2	N	?	0		
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing	3	C	14.1	I	L	99	✓	Water passing through block work. Ruining water and moss present.
	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	2	B	3.2	N	?	0		
	24	Carriageway Surfacing	2	B	9.2	N	?	0		
	25	Footway/Verge/Footbridge Surfacing	2	B	9.2	N	?	0		

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Name: **CULLEN VIADUCT 4**

Ref No: **NN076**

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	1	A	11.1	?	?	0		
	34	Machinery								

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
17	1	4	C	14.2	I	L	£99	Efflorescence and stalactites present. Wrong bricks may have been used.

Inspector's Comments

Name: Redacted	Signed:	Date: 28/11/2023
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Engineer's Comments

Name:	Signed:	Date: 01/01/1970
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Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: CULLEN VIADUCT 4

Ref No: NN076

<i>Work Required</i>			
Reference No.	Suggested Remedial Work	Priority	Estimated Cost
31	N No Action Monitor Only	?	£0
17	To be investigated	Low	£99
17	To be investigated	Low	£99
1	To be investigated	Low	£99
23	N No Action Monitor Only	?	£0
24	N No Action Monitor Only	?	£0
25	N No Action Monitor Only	?	£0
9	N No Action Monitor Only	?	£0
10	N No Action Monitor Only	?	£0
11	N No Action Monitor Only	?	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CULLEN VIADUCT 4**

Ref No: **NN076**

General Inspection CSS		Inspector: Redacted	Form 2 of 5 for this structure	
Bridge Name: CULLEN VIADUCT 4			Date: 28/11/2023	
Bridge Ref/No: NN076		Span Width: 5.61 m	Map Ref: 351176,867189	
BCI Span Number: 2/5	BCI Span Total	Length of Span: 2.25 m	Primary Deck Form: 01 Arch - Solid Spandrel	
Span description:			Primary Deck Material: Rc Masonry	
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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)								
	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								
	9	Abutments (Incl. Arch Springing)								
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								
Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements								
	20	Painting: Substructure Elements								
Safety Elements	21	Painting: Parapets/Safety Fences								
	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences								
	24	Carriageway Surfacing								
Other Bridge Elements	25	Footway/Verge/Footbridge Surfacing								
	26	Invert/River Bed								
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments								
	34	Machinery								

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Name: CULLEN VIADUCT 4

Ref No: NN076

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
No multiple defects recorded

Inspector's Comments		
Name: Redacted	Signed:	Date: 28/11/2023

Engineer's Comments		
Name:	Signed:	Date: 01/01/1970

Work Required

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CULLEN VIADUCT 4**

Ref No: **NN076**

General Inspection CSS		Inspector: Redacted	Form 3 of 5 for this structure	
Bridge Name: CULLEN VIADUCT 4			Date: 28/11/2023	
Bridge Ref/No: NN076		Span Width: 5.61 m	Map Ref: 351176,867189	
BCI Span Number: 3/5	BCI Span Total	Length of Span: 10.72 m	Primary Deck Form: 01 Arch - Solid Spandrel	
Span description:			Primary Deck Material: Rc Masonry	
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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)								
	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								
	9	Abutments (Incl. Arch Springing)								
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								
Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	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								
	24	Carriageway Surfacing								
	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								
	32	Retaining Walls								
	33	Embankments								
	34	Machinery								

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Name: CULLEN VIADUCT 4

Ref No: NN076

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
No multiple defects recorded

Inspector's Comments		
Name: Redacted	Signed:	Date: 28/11/2023

Engineer's Comments		
Name:	Signed:	Date: 01/01/1970

Work Required

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CULLEN VIADUCT 4**

Ref No: **NN076**

General Inspection CSS		Inspector: Redacted	Form 4 of 5 for this structure	
Bridge Name: CULLEN VIADUCT 4			Date: 28/11/2023	
Bridge Ref/No: NN076		Span Width: 5.50 m	Map Ref: 351176,867189	
BCI Span Number: 4/5	BCI Span Total	Length of Span: 2.23 m	Primary Deck Form: 01 Arch - Solid Spandrel	
Span description:			Primary Deck Material: Rc Masonry	
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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)								
	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								
	9	Abutments (Incl. Arch Springing)								
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								
Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements								
	20	Painting: Substructure Elements								
Safety Elements	21	Painting: Parapets/Safety Fences								
	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences								
	24	Carriageway Surfacing								
Other Bridge Elements	25	Footway/Verge/Footbridge Surfacing								
	26	Invert/River Bed								
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments								
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: CULLEN VIADUCT 4

Ref No: NN076

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
No multiple defects recorded

Inspector's Comments		
Name: Redacted	Signed:	Date: 28/11/2023

Engineer's Comments		
Name:	Signed:	Date: 01/01/1970

Work Required

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CULLEN VIADUCT 4**

Ref No: **NN076**

General Inspection CSS		Inspector: Redacted	Form 5 of 5 for this structure	
Bridge Name: CULLEN VIADUCT 4			Date: 28/11/2023	
Bridge Ref/No: NN076		Span Width: 5.50 m	Map Ref: 351176,867189	
BCI Span Number: 1/5	BCI Span Total	Length of Span: 12.30 m	Primary Deck Form: 01 Arch - Solid Spandrel	
Span description:			Primary Deck Material: K Masonry - Brick	
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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)								
	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								
	9	Abutments (Incl. Arch Springing)								
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								
Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements								
	20	Painting: Substructure Elements								
Safety Elements	21	Painting: Parapets/Safety Fences								
	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences								
	24	Carriageway Surfacing								
Other Bridge Elements	25	Footway/Verge/Footbridge Surfacing								
	26	Invert/River Bed								
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments								
	34	Machinery								

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Based on Volume 2 Addendum: August 2004

Name: CULLEN VIADUCT 4

Ref No: NN076

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
No multiple defects recorded

Inspector's Comments		
Name: Redacted	Signed:	Date: 28/11/2023

Engineer's Comments		
Name:	Signed:	Date: 01/01/1970

Work Required

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CULLEN VIADUCT 4**

Ref No: **NN076**

General Inspection CSS		Inspector: Redacted	Form 5 of 5 for this structure	
Bridge Name: CULLEN VIADUCT 4			Date: 28/11/2023	
Bridge Ref/No: NN076		Span Width: 5.61 m	Map Ref: 351176,867189	
BCI Span Number: 5/5	BCI Span Total	Length of Span: 12.00 m	Primary Deck Form: 01 Arch - Solid Spandrel	
Span description:			Primary Deck Material: Rc Masonry	
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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	B	3.1	N	?	0		Poorly repaired arch. Wrong sized brick used.
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	2	B	3.2	N	?	0		
	10	Spandrel Wall/Head Wall	2	B	3.2	N	?	0		
	11	Pier/Column	2	B	3.2	N	?	0		
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing	2	C	14.2	I	L	99		Efflorescence present. New brick effected th most.
	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	2	B	3.2	N	?	0		
	24	Carriageway Surfacing	2	B	9.2	N	?	0		
	25	Footway/Verge/Footbridge Surfacing	2	B	9.2	N	?	0		

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	B	3.2	N	?	0		
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0		
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: CULLEN VIADUCT 4

Ref No: NN076

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

No multiple defects recorded

Inspector's Comments

Name: Redacted	Signed:	Date: 28/11/2023
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Engineer's Comments

Name:	Signed:	Date: 01/01/1970
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Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
31	N No Action Monitor Only	?	£0
17	To be investigated	Low	£99
1	N No Action Monitor Only	?	£0
23	N No Action Monitor Only	?	£0
24	N No Action Monitor Only	?	£0
25	N No Action Monitor Only	?	£0
9	N No Action Monitor Only	?	£0
10	N No Action Monitor Only	?	£0
11	N No Action Monitor Only	?	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CULLEN VIADUCT 4**

Ref No: **NN076**

General Inspection CSS		Inspector: Redacted	Form 5 of 5 for this structure	
Bridge Name: CULLEN VIADUCT 4			Date: 28/11/2023	
Bridge Ref/No: NN076		Span Width: 5.61 m	Map Ref: 351176,867189	
BCI Span Number: 2/5	BCI Span Total	Length of Span: 2.25 m	Primary Deck Form: 01 Arch - Solid Spandrel	
Span description:			Primary Deck Material: Rc Masonry	
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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	C	3.1	I	L	99		Repairs have been poorly completed. Bricks are not tied in and are the wrong size.
	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								
	9	Abutments (Incl. Arch Springing)								
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	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								
	24	Carriageway Surfacing								
	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								
	32	Retaining Walls								
	33	Embankments								
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CULLEN VIADUCT 4**

Ref No: **NN076**

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

No multiple defects recorded

Inspector's Comments

Name: Redacted

Signed:

Date: 28/11/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
1	To be investigated	Low	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CULLEN VIADUCT 4**

Ref No: **NN076**

General Inspection CSS		Inspector: Redacted	Form 5 of 5 for this structure	
Bridge Name: CULLEN VIADUCT 4			Date: 28/11/2023	
Bridge Ref/No: NN076		Span Width: 5.61 m	Map Ref: 351176,867189	
BCI Span Number: 3/5	BCI Span Total	Length of Span: 10.72 m	Primary Deck Form: 01 Arch - Solid Spandrel	
Span description:			Primary Deck Material: Rc Masonry	
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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	C	3.1	I	L	99		Poorly conducted repairs. Brick is the wrong type & size that is not tied into the existing brickwork.
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	2	B	3.2	N	?	0		
	10	Spandrel Wall/Head Wall	2	B	3.2	N	?	0		
	11	Pier/Column	2	B	3.2	N	?	0		
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing	2	C	14.2	I	L	99		Some wet surfaces and stains around the voussoir.
	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	2	B	3.2	N	?	0		
	24	Carriageway Surfacing	2	B	9.2	N	?	0		
	25	Footway/Verge/Footbridge Surfacing	2	B	9.2	N	?	0		

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								
	32	Retaining Walls								
	33	Embankments								
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CULLEN VIADUCT 4**

Ref No: **NN076**

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

No multiple defects recorded

Inspector's Comments

Name: Redacted

Signed:

Date: 28/11/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
17	To be investigated	Low	£99
1	To be investigated	Low	£99
23	N No Action Monitor Only	?	£0
24	N No Action Monitor Only	?	£0
25	N No Action Monitor Only	?	£0
9	N No Action Monitor Only	?	£0
10	N No Action Monitor Only	?	£0
11	N No Action Monitor Only	?	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CULLEN VIADUCT 4**

Ref No: **NN076**

General Inspection CSS		Inspector: Redacted	Form 5 of 5 for this structure	
Bridge Name: CULLEN VIADUCT 4			Date: 28/11/2023	
Bridge Ref/No: NN076		Span Width: 5.50 m	Map Ref: 351176,867189	
BCI Span Number: 4/5	BCI Span Total	Length of Span: 2.23 m	Primary Deck Form: 01 Arch - Solid Spandrel	
Span description:			Primary Deck Material: Rc Masonry	
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		BCS av		BCI av		BCS av			
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	C	3.2	N	?	0		
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	3.2	?	?	0		
	10	Spandrel Wall/Head Wall	2	B	3.2	N	?	0		
	11	Pier/Column	2	B	3.2	N	?	0		
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing	2	B	14.2	N	?	0		Wet soffit on the costal extent.
	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	2	B	3.2	N	?	0		
	24	Carriageway Surfacing	1	A	9.2	?	?	0		
	25	Footway/Verge/Footbridge Surfacing	1	A	9.2	?	?	0		

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								
	32	Retaining Walls								
	33	Embankments								
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: CULLEN VIADUCT 4

Ref No: NN076

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																			
No multiple defects recorded																			

Inspector's Comments																			
Name: Redacted										Signed:					Date: 28/11/2023				

Engineer's Comments																			
Name:										Signed:					Date: 01/01/1970				

Work Required																				
Reference No.	Suggested Remedial Work	Priority	Estimated Cost																	
17	N No Action Monitor Only	?	£0																	
1	N No Action Monitor Only	?	£0																	
23	N No Action Monitor Only	?	£0																	
10	N No Action Monitor Only	?	£0																	
11	N No Action Monitor Only	?	£0																	

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CULLEN VIADUCT 4**

Ref No: **NN076**

General Inspection CSS		Inspector: Redacted	Form 5 of 5 for this structure	
Bridge Name: CULLEN VIADUCT 4			Date: 28/11/2023	
Bridge Ref/No: NN076		Span Width: 5.50 m	Map Ref: 351176,867189	
BCI Span Number: 1/5	BCI Span Total	Length of Span: 12.30 m	Primary Deck Form: 01 Arch - Solid Spandrel	
Span description:			Primary Deck Material: K Masonry - Brick	
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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	C	3.2	N	?	0		
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	3	D	5.2	RV	M	99		Western abutment on the High Street extent obscured by ivy.
	10	Spandrel Wall/Head Wall	2	B	3.2	N	?	0		
	11	Pier/Column	2	B	3.2	N	?	0		
	12	Cross-head/Capping Beam								
	13	Bearings								
14	Bearing Plinth/Shelf									

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing	1	A	14.1	?	?	0		
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements								
	20	Painting: Substructure Elements								
21	Painting: Parapets/Safety Fences									

Safety Elements	22	Access/Walkways/Gantries	1	A	9.1	?	?	0		
	23	Handrail/Parapets/Safety Fences	2	B	3.2	N	?	0		
	24	Carriageway Surfacing	1	A	9.1	?	?	0		
	25	Footway/Verge/Footbridge Surfacing	1	A	9.1	?	?	0		

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	3	D	5.2	RV	M	99		Inland side covered in ivy.
	32	Retaining Walls								
	33	Embankments	2	C	11.1	RM	M	99		Retaining wall has movement and cracking.
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CULLEN VIADUCT 4**

Ref No: **NN076**

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

No multiple defects recorded

Inspector's Comments

Name: Redacted

Signed:

Date: 28/11/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
31	REMOVE VEGETATION	Medium	£99
1	N No Action Monitor Only	?	£0
23	N No Action Monitor Only	?	£0
33	R Repair / Maintain	Medium	£99
9	REMOVE VEGETATION	Medium	£99
10	N No Action Monitor Only	?	£0
11	N No Action Monitor Only	?	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: CULLEN VIADUCT 3

Ref No: NN075

General Inspection CSS		Inspector: Redacted	Form 1 of 3 for this structure	
Bridge Name: CULLEN VIADUCT 3			Date: 28/11/2023	
Bridge Ref/No: NN075		Span Width: 11.80 m		Map Ref: 351055,867124
BCI Span Number: 1/3	BCI Span Total	Length of Span: 12.75 m		Primary Deck Form: 01 Arch - Solid Spandrel
Span description:				Primary Deck Material: K Masonry - Brick
All above ground elements inspected:			Photographs:	Secondary Deck Form: 30 No Secondary Deck Element -transverse Beams
Number of construction forms in Bridge/Span: 1				Secondary Deck Material: B Plain / Mass Concrete

Condition Indicator and Scores							
Average Score for structure				Span Score			
BCI av		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	B	3.2	N	?	0		
	2	Secondary Deck Element/S - Transverse Beams								
	3	Secondary Deck Element/S - Element From Table 3								
	4	Half Joints								
	5	Tie Beam/Rods	3	E	1.1	SBP	L	99		Tie rods have no protection from the elements.
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing								

Load Bearing Sub Structure	8	Foundations	2	B	6.1	N	?	0		
	9	Abutments (Incl. Arch Springing)	2	B	3.2	N	?	0		
	10	Spandrel Wall/Head Wall	1	A	3.2	?	?	0		
	11	Pier/Column	3	C	3.2	P	L	99		Pier in need of pointing on both sides.
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage	3	E	8.1	RM	M	99		Silt and moss are blocking the drain. Remove some , however the downpipe will need jetting.
	16	Substructure Drainage								
	17	Waterproofing	4	D	14.2	I	L	99		Surface is dry but their are some stalactites and extensive efflorescence coverage .
	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	1	A	3.2	?	?	0		
	24	Carriageway Surfacing	1	A	9.1	?	?	0		
	25	Footway/Verge/Footbridge Surfacing	1	A	9.1	?	?	0		

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CULLEN VIADUCT 3**

Ref No: **NN075**

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								
	32	Retaining Walls								
	33	Embankments								
34	Machinery									

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										
No multiple defects recorded										

Inspector's Comments										
Name: Redacted				Signed:				Date: 28/11/2023		

Engineer's Comments										
Name:				Signed:				Date: 01/01/1970		

Work Required											
Reference No.	Suggested Remedial Work	Priority	Estimated Cost								
8	N No Action Monitor Only	?	£0								
5	SHOT BLAST AND PAINT	Low	£99								
17	To be investigated	Low	£99								
1	N No Action Monitor Only	?	£0								
15	R Repair / Maintain	Medium	£99								
9	N No Action Monitor Only	?	£0								
11	POINT	Low	£99								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CULLEN VIADUCT 3**

Ref No: **NN075**

General Inspection CSS		Inspector: Redacted	Form 2 of 3 for this structure	
Bridge Name: CULLEN VIADUCT 3			Date: 28/11/2023	
Bridge Ref/No: NN075		Span Width: 6.24 m	Map Ref: 351055,867124	
BCI Span Number: 2/3	BCI Span Total	Length of Span: 12.10 m	Primary Deck Form: 01 Arch - Solid Spandrel	
Span description:			Primary Deck Material: K Masonry - Brick	
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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	1	A	3.2	?	?	0		
	2	Secondary Deck Element/S - Transverse Beams								
	3	Secondary Deck Element/S - Element From Table 3								
	4	Half Joints								
	5	Tie Beam/Rods	1	A	1.1	?	?	0		
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing								

Load Bearing Sub Structure	8	Foundations	1	A	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)								
	10	Spandrel Wall/Head Wall	1	A	3.2	?	?	0		
	11	Pier/Column	3	C	3.2	P	M	99		Western pier in need of pointing.
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage	3	E	8.1	DB	M	99		Drain blocked with moss. Removed vegetation but dirt remains.
	16	Substructure Drainage								
	17	Waterproofing	4	D	14.2	I	L	99		Surface appears dry but stalactites and efflorescence present.
	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	2	B	3.2	N	?	0		
	24	Carriageway Surfacing	1	A	9.1	?	?	0		
	25	Footway/Verge/Footbridge Surfacing	1	A	9.1	?	?	0		

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								
	32	Retaining Walls								
	33	Embankments								
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CULLEN VIADUCT 3**

Ref No: **NN075**

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
No multiple defects recorded

Inspector's Comments		
Name: Redacted	Signed:	Date: 28/11/2023

Engineer's Comments		
Name:	Signed:	Date: 01/01/1970

Work Required			
Reference No.	Suggested Remedial Work	Priority	Estimated Cost
17	To be investigated	Low	£99
15	REMOVE DEBRIS	Medium	£99
23	N No Action Monitor Only	?	£0
11	POINT	Medium	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CULLEN VIADUCT 3**

Ref No: **NN075**

General Inspection CSS		Inspector: Redacted	Form 3 of 3 for this structure	
Bridge Name: CULLEN VIADUCT 3			Date: 28/11/2023	
Bridge Ref/No: NN075		Span Width: 6.24 m	Map Ref: 351055,867124	
BCI Span Number: 3/3	BCI Span Total	Length of Span: 12.80 m	Primary Deck Form: 01 Arch - Solid Spandrel	
Span description:			Primary Deck Material: K Masonry - Brick	
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: B Plain / Mass Concrete	

Condition Indicator and Scores							
Average Score for structure				Span Score			
BCI av		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	C	3.6	I	L	99		Area just above the springing line is weathered at both haunches.
	2	Secondary Deck Element/S - Transverse Beams								
	3	Secondary Deck Element/S - Element From Table 3								
	4	Half Joints								
	5	Tie Beam/Rods	1	A	1.1	?	?	0		
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing								
Load Bearing Sub Structure	8	Foundations	1	A	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	2	B	3.2	N	?	0		
	10	Spandrel Wall/Head Wall	1	A	3.2	?	?	0		
	11	Pier/Column	2	B	3.2	N	?	0		
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								
Durability Elements	15	Superstructure Drainage	3	D	8.1	DB	L	99		Remove debris. May need jetting.
	16	Substructure Drainage								
	17	Waterproofing	1	A	14.1	?	?	0		
	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	2	B	3.2	N	?	0		
	24	Carriageway Surfacing	1	A	9.1	?	?	0		
	25	Footway/Verge/Footbridge Surfacing	1	A	9.1	?	?	0		
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								
	32	Retaining Walls								
	33	Embankments	2	C	11.1	I	L	99		Costal side has evidence of minor movement.
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CULLEN VIADUCT 3**

Ref No: **NN075**

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											
No multiple defects recorded											

Inspector's Comments											
Name: Redacted				Signed:				Date: 28/11/2023			

Engineer's Comments											
Name:				Signed:				Date: 01/01/1970			

Work Required											
Reference No.	Suggested Remedial Work	Priority	Estimated Cost								
1	To be investigated	Low	£99								
15	REMOVE DEBRIS	Low	£99								
23	N No Action Monitor Only	?	£0								
33	To be investigated	Low	£99								
9	N No Action Monitor Only	?	£0								
11	N No Action Monitor Only	?	£0								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: VICTORIA FOOTBRIDGE

Ref No: NN179

General Inspection CSS		Inspector: ?	Form 1 of 5 for this structure	
Bridge Name: VICTORIA FOOTBRIDGE			Date: 01/03/2023	
Bridge Ref/No: NN179		Span Width: 2.21 m		Map Ref: 341994,865286
BCI Span Number: 2	BCI Span Total	Length of Span: 9.40 m		Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface
Span description:				Primary Deck Material: E Steel
All above ground elements inspected:			Photographs:	Secondary Deck Form: 24 Slab - No Transverse Beams
Number of construction forms in Bridge/Span: 2				Secondary Deck Material: A Reinforced Concrete

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av	70.16	BCS av	2.49	BCI av	73.86	BCS av	2.33		
BCI crit	78.88	BCS crit		BCI crit	78.88	BCS crit	2.10		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	C	1.2	P	L	99		Corroded around the bottom flange and web.
	2	Secondary Deck Element/S - Transverse Beams								
	3	Secondary Deck Element/S - Element From Table 3	1	A	2.2	?	?	0		
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing	2	B	1.2	N	?	0		

Load Bearing Sub Structure	8	Foundations	1	A	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)								
	10	Spandrel Wall/Head Wall								
	11	Pier/Column	2	B	1.2	P	?	0		✓
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage	4	E	8.1	RM	M	99		Clear drains
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints	2	C	10.6	RM	L	99		Repair joints
	19	Painting: Deck Elements	5	C	4.1	P	L	99		Remove corrosion and paint
	20	Painting: Substructure Elements	5	C	4.1	P	L	99		Remove rust & paint
	21	Painting: Parapets/Safety Fences	2	B	4.1	P	L	99		Paint base and bolts. Clean moss and algae of the parapet .

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	2	E	1.3	P	L	99		Remove rust and paint
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	3	E	9.1	RM	?	0		

Other Bridge Elements	26	Invert/River Bed	2	B	7.1	N	?	0		Slight scour.
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0		
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **VICTORIA FOOTBRIDGE**

Ref No: **NN179**

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

Other	39	Extra Element 1	2	E	1.1	N	?	0		Steel wire rope has significant corrosion.
	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
11	1	3	C	2.4	RM	M	£99	Western face along the top 3rd has large section of concrete loss.

Inspector's Comments

Name: ?	Signed:	Date: 01/03/2023
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Engineer's Comments

Name:	Signed:	Date:
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Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
15	R Repair / Maintain	Medium	£99
18	R Repair / Maintain	Low	£99
25	R Repair / Maintain	?	£0
26	N No Action Monitor Only	?	£0
11	R Repair / Maintain	Medium	£99
7	N No Action Monitor Only	?	£0
39	N No Action Monitor Only	?	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **VICTORIA FOOTBRIDGE**

Ref No: **NN179**

General Inspection CSS		Inspector: ?	Form 2 of 5 for this structure	
Bridge Name: VICTORIA FOOTBRIDGE			Date: 01/03/2023	
Bridge Ref/No: NN179		Span Width: 2.21 m	Map Ref: 341994,865286	
BCI Span Number: 3	BCI Span Total	Length of Span: 11.85 m	Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface	
Span description:			Primary Deck Material: E Steel	
All above ground elements inspected:		Photographs:	Secondary Deck Form: 24 Slab - No Transverse Beams	
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: A Reinforced Concrete	

Condition Indicator and Scores							
Average Score for structure				Span Score			
BCI av	70.16	BCS av	2.49	BCI av	70.55	BCS av	2.48
BCI crit	78.88	BCS crit		BCI crit	78.88	BCS crit	2.10

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	C	1.2	N	L	99		Corrosion around bottom flange and web.
	2	Secondary Deck Element/S - Transverse Beams								
	3	Secondary Deck Element/S - Element From Table 3	1	A	2.2	?	?	0		
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing	2	B	1.2	N	?	0		Corrosion present.

Load Bearing Sub Structure	8	Foundations	1	A	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)								
	10	Spandrel Wall/Head Wall								
	11	Pier/Column	2	B	1.2	P	L	99		Corrosion around bolts at the base and around the deck element .
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage	4	D	8.1	RM	M	99		Clear drainage
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints	2	C	10.6	RM	L	99		Damage at edges
	19	Painting: Deck Elements	5	C	4.1	P	L	99		Corrosion present
	20	Painting: Substructure Elements	5	B	4.1	N	?	0		
	21	Painting: Parapets/Safety Fences	5	B	4.1	N	L	99		Corrosion around base plate.

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	2	E	1.3	P	?	0		Bolts corroded,
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	3	E	9.1	RM	?	0		Damaged surface

Other Bridge Elements	26	Invert/River Bed	1	A	7.1	?	?	0		
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0		
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **VICTORIA FOOTBRIDGE**

Ref No: **NN179**

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

No multiple defects recorded

Inspector's Comments

Name: ?

Signed:

Date: 01/03/2023

Engineer's Comments

Name:

Signed:

Date:

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
1	N No Action Monitor Only	Low	£99
15	R Repair / Maintain	Medium	£99
18	R Repair / Maintain	Low	£99
20	N No Action Monitor Only	?	£0
21	N No Action Monitor Only	Low	£99
25	R Repair / Maintain	?	£0
7	N No Action Monitor Only	?	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: VICTORIA FOOTBRIDGE

Ref No: NN179

General Inspection CSS		Inspector: ?	Form 3 of 5 for this structure	
Bridge Name: VICTORIA FOOTBRIDGE			Date: 01/03/2023	
Bridge Ref/No: NN179		Span Width: 2.21 m	Map Ref: 341994,865286	
BCI Span Number: 4	BCI Span Total	Length of Span: 9.40 m	Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface	
Span description:			Primary Deck Material: E Steel	
All above ground elements inspected:		Photographs:	Secondary Deck Form: 24 Slab - No Transverse Beams	
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: A Reinforced Concrete	

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av	70.16	BCS av	2.49	BCI av	67.69	BCS av	2.60		
BCI crit	78.88	BCS crit		BCI crit	78.88	BCS crit	2.10		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	C	1.2	P	L	99		Rust requires removal and painting of elements
	2	Secondary Deck Element/S - Transverse Beams								
	3	Secondary Deck Element/S - Element From Table 3	1	A	2.2	?	?	0		
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing	2	B	1.2	P	L	99		Remove rust and paint

Load Bearing Sub Structure	8	Foundations	1	A	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)								
	10	Spandrel Wall/Head Wall								
	11	Pier/Column	2	B	1.2	N	?	0	✓	Corrosion around base plates and where connected to deck
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage	4	E	8.1	RM	M	99		Clear drains
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints	2	C	10.6	RM	L	99		Damage at the ends
	19	Painting: Deck Elements	5	C	4.1	P	M	99		Remove rust and re-paint
	20	Painting: Substructure Elements	5	B	4.1	N	?	0		
	21	Painting: Parapets/Safety Fences	5	B	4.1	P	L	99		Base plates in need of paint.

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	2	E	1.3	P	L	99		Corrosion around fixings
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	3	E	9.1	RM	M	99		Surface break up.

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								
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0		
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **VICTORIA FOOTBRIDGE**

Ref No: **NN179**

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
11	1	3	C	2.4	RM	M	£99	

Inspector's Comments

Name: ?	Signed:	Date: 01/03/2023
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Engineer's Comments

Name:	Signed:	Date:
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Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
15	R Repair / Maintain	Medium	£99
18	R Repair / Maintain	Low	£99
20	N No Action Monitor Only	?	£0
25	R Repair / Maintain	Medium	£99
11	N No Action Monitor Only	?	£0
11	R Repair / Maintain	Medium	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **VICTORIA FOOTBRIDGE**

Ref No: **NN179**

General Inspection CSS		Inspector: ?	Form 4 of 5 for this structure	
Bridge Name: VICTORIA FOOTBRIDGE			Date: 01/03/2023	
Bridge Ref/No: NN179		Span Width: 2.21 m	Map Ref: 341994,865286	
BCI Span Number: 5	BCI Span Total	Length of Span: 9.60 m	Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface	
Span description:			Primary Deck Material: E Steel	
All above ground elements inspected:		Photographs:	Secondary Deck Form: 24 Slab - No Transverse Beams	
Number of construction forms in Bridge/Span: 2			Secondary Deck Material: A Reinforced Concrete	

Condition Indicator and Scores							
Average Score for structure				Span Score			
BCI av	70.16	BCS av	2.49	BCI av	63.64	BCS av	2.77
BCI crit	78.88	BCS crit		BCI crit	78.88	BCS crit	2.10

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	C	1.2	N	?	0		corrosion along bottom flange
	2	Secondary Deck Element/S - Transverse Beams								
	3	Secondary Deck Element/S - Element From Table 3	1	A	2.2	?	?	0		
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing	2	B	1.2	P	?	0		Rust present

Load Bearing Sub Structure	8	Foundations	1	A	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	4	E	2.2	RM	L	99		Construction joint clearly visible. Horizontal crack along construction joint appears to be opening .
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage	4	D	8.1	RM	M	99		Clear drainage
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints	2	C	10.6	RM	L	99		Replace where necessary
	19	Painting: Deck Elements	5	C	4.1	P	M	99		Rust is quite thick and flaking
	20	Painting: Substructure Elements	5	B	4.1	N	?	0		
	21	Painting: Parapets/Safety Fences	5	B	4.1	P	L	99		Around base plates has rust present

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	2	D	1.3	N	L	99		Corrosion around bolts
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	3	E	9.1	RM	L	99		Surface has begun to break up in places.

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								
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0		
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **VICTORIA FOOTBRIDGE**

Ref No: **NN179**

Ancillary Elements	35	Approach Rails/Barriers/Walls	2	E	13.1	N	L	99		Small fence between parapet and approach barrier deformed.
	36	Signs								
	37	Lighting								
	38	Services								

Other	39	Extra Element 1	2	E	1.1	N	?	0		Steel rope has corroded .
	40	Extra Element 2								
	41	Extra Element 3								
	42	Extra Element 4								

Multiple Defects

No multiple defects recorded

Inspector's Comments

Name: ?

Signed:

Date: 01/03/2023

Engineer's Comments

Name:

Signed:

Date:

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
1	N No Action Monitor Only	?	£0
15	R Repair / Maintain	Medium	£99
18	R Repair / Maintain	Low	£99
20	N No Action Monitor Only	?	£0
23	N No Action Monitor Only	Low	£99
25	R Repair / Maintain	Low	£99
35	N No Action Monitor Only	Low	£99
9	R Repair / Maintain	Low	£99
39	N No Action Monitor Only	?	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **VICTORIA FOOTBRIDGE**

Ref No: **NN179**

General Inspection CSS		Inspector: ?	Form 5 of 5 for this structure	
Bridge Name: VICTORIA FOOTBRIDGE			Date: 01/03/2023	
Bridge Ref/No: NN179		Span Width: 2.21 m	Map Ref: 341994,865286	
BCI Span Number: 1	BCI Span Total	Length of Span: 9.60 m	Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface	
Span description:			Primary Deck Material: E Steel	
All above ground elements inspected:		Photographs:	Secondary Deck Form: 24 Slab - No Transverse Beams	
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: Rb Reinforced Concrete	

Condition Indicator and Scores							
Average Score for structure				Span Score			
BCI av	70.16	BCS av	2.49	BCI av	75.02	BCS av	2.28
BCI crit	78.88	BCS crit		BCI crit	78.88	BCS crit	2.10

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	C	1.2	N	?	0		Web has corrosion at the eastern abutment. Flange that rests on the abutment has corrosion. Corrosion of these elements is reasonably thick and flaking.
	2	Secondary Deck Element/S - Transverse Beams								
	3	Secondary Deck Element/S - Element From Table 3	1	A	2.2	?	?	0		
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing	2	B	1.2	N	?	0		Steel wire has significant surface rust along its full length

Load Bearing Sub Structure	8	Foundations	1	A	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	2.1	?	?	0		
	10	Spandrel Wall/Head Wall								
	11	Pier/Column	2	B	1.2	N	?	0	✓	Corrosion around base plate and near deck element .
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage	4	E	8.4	RM	M	99		Clear weep holes.
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints	2	C	10.6	RM	L	99		Expansion joints failing at edges.
	19	Painting: Deck Elements	5	C	4.1	P	L	99		De-rust, clean & paint
	20	Painting: Substructure Elements	5	B	4.1	N	?	0		
21	Painting: Parapets/Safety Fences	2	B	4.1	N	?	0			

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	2	E	1.3	P	L	99		Bolts have corrosion that needs removal and paint. Fence needs cleaning to remove moss and algae.
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	3	E	9.1	RM	L	99		Surface requires replacement

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: TELFORD BRIDGE

Ref No: NN172

General Inspection CSS		Inspector: ?	Form 1 of 1 for this structure	
Bridge Name: TELFORD BRIDGE			Date: 10/03/2023	
Bridge Ref/No: NN172		Span Width: 4.80 m		Map Ref: 328533,845191
BCI Span Number: 1	BCI Span Total	Length of Span: 47.14 m		Primary Deck Form: 02 Arch - Open / Braced Spandrel
Span description:				Primary Deck Material: F Cast Iron
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	60.69	BCS av	2.89	BCI av	60.69	BCS av	2.89		
BCI crit	28.08	BCS crit		BCI crit	28.08	BCS crit	4.10		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	4	C	1.1	P	M	99		The areas where corrosion is present appears significant. Access prevents full inspection.
	2	Secondary Deck Element/S - Transverse Beams	3	D	1.1	P	M	99		Rust appears to be thick where visible .
	3	Secondary Deck Element/S - Element From Table 3	3	B	1.1	P	L	99		The deck appears to have rust at the abutment
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing								

Load Bearing Sub Structure	8	Foundations	2	C	3.2	N	?	0	✓	
	9	Abutments (Incl. Arch Springing)	2	C	3.2	N	?	0		
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage	1	A	8.1	?	?	0		
	17	Waterproofing	2	B	14.1	N	?	0		
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements	5	E	4.1	P	H	99		Remove the rust and treat the metal.
	20	Painting: Substructure Elements	5	E	4.1	P	H	99		Remove the rust and treat the metal.
21	Painting: Parapets/Safety Fences	5	E	4.1	P	M	99		Remove the rust and treat the metal.	

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	2	D	1.1	P	M	99		Paint handrail
	24	Carriageway Surfacing	6	F	0.0	?	?	0		Snow prevented inspection.
	25	Footway/Verge/Footbridge Surfacing	6	F	0.0	?	?	0		Snow prevented inspection.

Other Bridge Elements	26	Invert/River Bed	2	C	7.1	N	?	0		
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls	3	D	3.2	RM	M	99		Masonry is loose and moveable by hand on the south eastern side.
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0		
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **TELFORD BRIDGE**

Ref No: **NN172**

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
8	1	2	B	3.6	N	L	£99	2 stones missing at the water's edge.

Inspector's Comments

Name: ?	Signed:	Date: 10/03/2023
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Engineer's Comments

Name:	Signed:	Date:
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Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
8	N No Action Monitor Only	?	£0
8	N No Action Monitor Only	Low	£99
31	R Repair / Maintain	Medium	£99
17	N No Action Monitor Only	?	£0
26	N No Action Monitor Only	?	£0
9	N No Action Monitor Only	?	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

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		loicles 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								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **TELFORD FLOOD SPAN**

Ref No: **NN173**

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
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Engineer's Comments

Name:	Signed:	Date:
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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

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: OLD BRIDGE OF AVON

Ref No: NN152

General Inspection CSS		Inspector: ?	Form 1 of 2 for this structure	
Bridge Name: OLD BRIDGE OF AVON			Date: 16/03/2023	
Bridge Ref/No: NN152		Span Width: 10.30 m		Map Ref: 314960,820143
BCI Span Number: 1	BCI Span Total	Length of Span: 7.00 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	79.23	BCS av	2.08	BCI av	80.99	BCS av	2.00		
BCI crit	25.10	BCS crit		BCI crit	22.12	BCS crit	4.30		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	C	3.6	RM	M	99	✓	Replace missing stone and repair mortar.
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	3	D	3.2	P	L	99	✓	Pointing required
	10	Spandrel Wall/Head Wall	2	C	3.7	I	L	99		Bulge in the downstream spandrel. Point also needs attention .
	11	Pier/Column	4	D	3.2	RM	M	99	✓	Pointing in poor condition.
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage	2	C	8.1	RM	M	99	✓	All surface drains partially blocked.
	16	Substructure Drainage								
	17	Waterproofing	3	E	14.2	I	H	99		Investigate water seepage
	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	2	C	3.5	N	L	99		Poor mortar and some visible cracks.
	24	Carriageway Surfacing	1	A	9.1	?	?	0		
	25	Footway/Verge/Footbridge Surfacing								

Other Bridge Elements	26	Invert/River Bed	1	A	7.1	?	?	0		
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls	1	A	3.2	?	?	0	✓	
	32	Retaining Walls	1	A	3.1	?	?	0		
	33	Embankments	1	A	11.1	?	?	0		
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **OLD BRIDGE OF AVON**

Ref No: **NN152**

Ancillary Elements	35	Approach Rails/Barriers/Walls	1	A	3.1	?	?	0		
	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
1	1	3	C	3.2	P	M	£99	Pointing required throughout.
1	2	3	D	3.5	RM	M	£99	Cracks following both voussoirs and potentially a 3rd in the centre.
9	3	2	B	99.2	N	L	£99	Graffiti present
11	4	3	D	5.1	RVP	M	£99	remove small trees in the top of the cutwater.
11	5	2	C	99.2	N	L	£0	Graffiti present
15	6	4	E	8.4	RM	M	£99	Downstream side weep holes fully blocked.
31	7	3	D	5.1	RVP	L	£99	upstream wingwall and parapet have trees and small bushes growing in very close proximity

Inspector's Comments

Name: ?	Signed:	Date: 16/03/2023
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Engineer's Comments

Name:	Signed:	Date:
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Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: OLD BRIDGE OF AVON

Ref No: NN152

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
31	REMOVE VEGETATION AND POINT	Low	£99
17	To be investigated	High	£99
1	POINT	Medium	£99
1	R Repair / Maintain	Medium	£99
1	R Repair / Maintain	Medium	£99
15	R Repair / Maintain	Medium	£99
15	R Repair / Maintain	Medium	£99
23	N No Action Monitor Only	Low	£99
9	POINT	Low	£99
9	N No Action Monitor Only	Low	£99
10	To be investigated	Low	£99
11	R Repair / Maintain	Medium	£99
11	REMOVE VEGETATION AND POINT	Medium	£99
11	N No Action Monitor Only	Low	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **OLD BRIDGE OF AVON**

Ref No: **NN152**

General Inspection CSS		Inspector: ?	Form 2 of 2 for this structure	
Bridge Name: OLD BRIDGE OF AVON			Date: 16/03/2023	
Bridge Ref/No: NN152		Span Width: 10.30 m	Map Ref: 314960,820143	
BCI Span Number: 2	BCI Span Total	Length of Span: 15.00 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	79.23	BCS av	2.08	BCI av	77.47	BCS av	2.17
BCI crit	25.10	BCS crit		BCI crit	28.08	BCS crit	4.10

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	4	C	3.6	RM	H	99	✓	Large section of arch barrel missing just above western abutment
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	2	B	3.2	P	L	99		Pointing required
	10	Spandrel Wall/Head Wall	2	D	3.4	I	L	99		Crack and efflorescence in both spandrel walls
	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	E	14.2	I	H	99		Downstream drains blocked and water dripping from all areas of barrel
	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	2	B	3.5	N	?	0	✓	
	24	Carriageway Surfacing	1	A	9.1	?	?	0		
	25	Footway/Verge/Footbridge Surfacing								

Other Bridge Elements	26	Invert/River Bed	1	A	7.1	?	?	0		
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls	3	D	3.5	RM	H	99	✓	significant crack between wing wall and parapet and likely through the spandrel
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0		
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **OLD BRIDGE OF AVON**

Ref No: **NN152**

Ancillary Elements	35	Approach Rails/Barriers/Walls	2	B	3.4	N	?	0		
	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
1	1	3	E	3.2	P	H	£99	Pointing in very poor condition.
23	2	3	B	3.5	I	M	£99	Upstream western side has a significant crack between parapet and wing walls.
31	3	3	B	5.1	RVP	M	£99	Remove saplings from the structure .

Inspector's Comments

Name: ?	Signed:	Date: 16/03/2023
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Engineer's Comments

Name:	Signed:	Date:
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Work Required

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

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: OLD DOWNAN BRIDGE

Ref No: NN154

General Inspection CSS		Inspector: ?	Form 1 of 1 for this structure	
Bridge Name: OLD DOWNAN BRIDGE			Date: 20/03/2023	
Bridge Ref/No: NN154		Span Width: 5.20 m		Map Ref: 319415,829946
BCI Span Number: 1	BCI Span Total	Length of Span: 14.90 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	54.80	BCS av	3.13	BCI av	54.80	BCS av	3.13		
BCI crit	9.72	BCS crit		BCI crit	9.72	BCS crit	4.70		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	4	E	3.2	P	H	99		Point
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	3	D	3.2	RM	?	0		
	10	Spandrel Wall/Head Wall	3	E	3.4	RM	H	99	✓	Downstream spandrel wall leaning towards the water.
	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	E	14.2	I	M	99		Investigation required
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements								
	20	Painting: Substructure Elements								
21	Painting: Parapets/Safety Fences	5	E	4.1	P	L	99		Parapet height extension in need of painting .	

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	3	E	3.7	RM	M	99	✓	Vertical cracks in both parapets and significant leaning in downstream wall.
	24	Carriageway Surfacing	3	E	9.1	N	?	0	✓	Surface moss along whole surface.
	25	Footway/Verge/Footbridge Surfacing								

Other Bridge Elements	26	Invert/River Bed	1	A	7.1	?	?	0		
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls	3	D	3.6	RM	H	99	✓	Trees at 3 corners causing significant damage.
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0		
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **OLD DOWNAN BRIDGE**

Ref No: **NN154**

Ancillary Elements	35	Approach Rails/Barriers/Walls	1	A	1.1	?	?	0	✓
	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
10	1	3	D	3.2	P	M	£99	Pointing
23	2	3	E	3.2	P	L	£99	Re-point
23	3	2	D	1.1	P	L	£99	Metal pipe handrail requires painting
24	4	2	E	5.1	N	?	£0	
31	5	4	D	5.1	RVP	H	£99	Remove trees.
35	6	1	A	2.1	?	?	£0	Entry bollards in good order.

Inspector's Comments

Name: ?	Signed:	Date: 20/03/2023
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Engineer's Comments

Name:	Signed:	Date:
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Work Required

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

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: OLD BREWERY BRIDGE

Ref No: NN151

General Inspection CSS		Inspector: ?	Form 1 of 2 for this structure	
Bridge Name: OLD BREWERY BRIDGE			Date: 09/03/2023	
Bridge Ref/No: NN151		Span Width: 6.20 m		Map Ref: 322269,863104
BCI Span Number: 1	BCI Span Total	Length of Span: 10.50 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	83.06	BCS av	1.90	BCI av	80.33	BCS av	2.03		
BCI crit	79.94	BCS crit		BCI crit	81.00	BCS crit	2.00		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	B	3.2	N	?	0		
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	3	E	3.2	I	L	99		Pointing loss is most evident in the cathedral side.
	10	Spandrel Wall/Head Wall	2	C	3.2	N	?	0	✓	
	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	D	14.2	I	L	99		The pier is wet and stained.
	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	4	D	3.2	RM	L	99		Mortar is loose and crumbling in areas.
	24	Carriageway Surfacing	2	C	9.2	N	?	0		
	25	Footway/Verge/Footbridge Surfacing	2	C	9.1	N	?	0		

Other Bridge Elements	26	Invert/River Bed	1	A	7.1	?	?	0		
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls	1	A	3.1	?	?	0		
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0		
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **OLD BREWERY BRIDGE**

Ref No: **NN151**

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
10	1	3	C	5.2	RVP	M	£99	Ivy and close vegetation prevent detailed inspection.

Inspector's Comments

Name: ?	Signed:	Date: 09/03/2023
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Engineer's Comments

Name:	Signed:	Date:
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Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
17	To be investigated	Low	£99
1	N No Action Monitor Only	?	£0
23	R Repair / Maintain	Low	£99
24	N No Action Monitor Only	?	£0
25	N No Action Monitor Only	?	£0
9	To be investigated	Low	£99
10	N No Action Monitor Only	?	£0
10	REMOVE VEGETATION AND POINT	Medium	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **OLD BREWERY BRIDGE**

Ref No: **NN151**

General Inspection CSS		Inspector: ?	Form 2 of 2 for this structure	
Bridge Name: OLD BREWERY BRIDGE			Date: 09/03/2023	
Bridge Ref/No: NN151		Span Width: 6.20 m	Map Ref: 322269,863104	
BCI Span Number: 2	BCI Span Total	Length of Span: 10.50 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	83.06	BCS av	1.90	BCI av	85.80	BCS av	1.77		
BCI crit	79.94	BCS crit		BCI crit	78.88	BCS crit	2.10		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	B	3.2	I	?	0		
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	2	B	3.2	N	?	0		
	10	Spandrel Wall/Head Wall	2	C	3.2	N	?	0	✓	
	11	Pier/Column	2	C	3.2	N	?	0	✓	
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing	3	D	14.2	I	L	99		Moisture held against the structure by moss around the visibly wet areas.
	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	3.2	N	?	0		
	24	Carriageway Surfacing	2	C	9.2	N	L	99		Some crumbling mortar.
	25	Footway/Verge/Footbridge Surfacing	2	C	9.2	N	?	0		

Other Bridge Elements	26	Invert/River Bed	1	A	7.1	?	?	0		
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls	1	A	3.1	?	?	0		
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0		
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **OLD BREWERY BRIDGE**

Ref No: **NN151**

Ancillary Elements	35	Approach Rails/Barriers/Walls	1	A	1.1	?	?	0		
	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
10	1	3	C	5.2	RVP	M	£99	Brambles and ivy in close proximity to the structure prevented full inspection.
11	2	2	C	7.2	RV	M	£99	A large quantity of deadfall has gathered around the pier.

Inspector's Comments

Name: ?	Signed:	Date: 09/03/2023
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Engineer's Comments

Name:	Signed:	Date:
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Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
17	To be investigated	Low	£99
1	To be investigated	?	£0
23	N No Action Monitor Only	?	£0
24	N No Action Monitor Only	Low	£99
25	N No Action Monitor Only	?	£0
9	N No Action Monitor Only	?	£0
10	N No Action Monitor Only	?	£0
10	REMOVE VEGETATION AND POINT	Medium	£99
11	N No Action Monitor Only	?	£0
11	REMOVE VEGETATION	Medium	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: OLD TOM M'OR BRIDGE

Ref No: NN157

General Inspection CSS		Inspector: ?	Form 1 of 1 for this structure	
Bridge Name: OLD TOM M'OR BRIDGE			Date: 20/01/2023	
Bridge Ref/No: NN157		Span Width: 7.00 m		Map Ref: 313316,820927
BCI Span Number: 1	BCI Span Total	Length of Span: 1.20 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	83.21	BCS av	1.89	BCI av	83.21	BCS av	1.89		
BCI crit	39.52	BCS crit		BCI crit	39.52	BCS crit	3.70		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	3	E	3.2	P	?	0		
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	2	C	3.2	P	?	0		
	10	Spandrel Wall/Head Wall	2	C	3.2	N	?	0		
	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	?	0		
	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	2	C	3.2	P	?	0		
	24	Carriageway Surfacing	2	C	9.1	N	?	0		
	25	Footway/Verge/Footbridge Surfacing	1	A	9.4	?	?	0		

Other Bridge Elements	26	Invert/River Bed	1	A	7.1	?	?	0		
	27	Aprons	1	A	7.1	?	?	0		
	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									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **OLD TOM M'OR BRIDGE**

Ref No: **NN157**

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											
No multiple defects recorded											

Inspector's Comments											
Name: ?				Signed:				Date: 20/01/2023			

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	?	£0								
1	POINT	?	£0								
23	POINT	?	£0								
24	N No Action Monitor Only	?	£0								
9	POINT	?	£0								
10	N No Action Monitor Only	?	£0								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: OLD TOM M'OR D/S EXT

Ref No: NN158

General Inspection CSS		Inspector: ?	Form 1 of 1 for this structure	
Bridge Name: OLD TOM M'OR D/S EXT			Date: 23/01/2023	
Bridge Ref/No: NN158		Span Width: 3.50 m		Map Ref: 313314,820928
BCI Span Number: 1	BCI Span Total	Length of Span: 1.50 m		Primary Deck Form: 01 Arch - Solid Spandrel
Span description:				Primary Deck Material: B Plain / Mass Concrete
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	86.37	BCS av	1.74	BCI av	86.37	BCS av	1.74		
BCI crit	78.88	BCS crit		BCI crit	78.88	BCS crit	2.10		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	C	3.2	P	?	0		
	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	2	C	3.2	P	?	0		
	9	Abutments (Incl. Arch Springing)	2	C	3.2	P	?	0		
	10	Spandrel Wall/Head Wall	2	B	3.2	N	?	0		
	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	?	0		
	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								
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	1	A	9.4	?	?	0		

Other Bridge Elements	26	Invert/River Bed	1	A	7.1	?	?	0		
	27	Aprons	1	A	7.1	?	?	0		
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments								
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **OLD TOM M'OR D/S EXT**

Ref No: **NN158**

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
No multiple defects recorded

Inspector's Comments			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%;">Name: ?</td> <td style="width: 35%;">Signed:</td> <td style="width: 30%;">Date: 23/01/2023</td> </tr> </table>	Name: ?	Signed:	Date: 23/01/2023
Name: ?	Signed:	Date: 23/01/2023	

Engineer's Comments			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%;">Name:</td> <td style="width: 35%;">Signed:</td> <td style="width: 30%;">Date:</td> </tr> </table>	Name:	Signed:	Date:
Name:	Signed:	Date:	

Work Required			
Reference No.	Suggested Remedial Work	Priority	Estimated Cost
8	POINT	?	£0
17	To be investigated	?	£0
1	POINT	?	£0
9	POINT	?	£0
10	N No Action Monitor Only	?	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: BALLINDALLOCH VIADUCT

Ref No: NN034

General Inspection CSS		Inspector: Redacted	Form 1 of 2 for this structure	
Bridge Name: BALLINDALLOCH VIADUCT			Date: 30/11/2023	
Bridge Ref/No: NN034		Span Width: 64.00 m		Map Ref: 316878,836800
BCI Span Number: 1	BCI Span Total	Length of Span: 4.00 m		Primary Deck Form: 10 Truss - Full Through
Span description:				Primary Deck Material: G Wrought Iron
All above ground elements inspected:			Photographs:	Secondary Deck Form: 35 Troughing - Transverse Beams
Number of construction forms in Bridge/Span: 1				Secondary Deck Material: G Wrought Iron

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av	65.24	BCS av	2.62	BCI av	64.11	BCS av	2.75		
BCI crit	41.46	BCS crit		BCI crit	39.52	BCS crit	3.70		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	3	E	1.1	SBP	M	99	✓	Remove rust & treat.
	2	Secondary Deck Element/S - Transverse Beams	3	D	1.1	SBP	L	99	✓	Remove rust and paint
	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	6.1	?	?	0	✓	
	9	Abutments (Incl. Arch Springing)	3	C	3.2	RVP	L	99	✓	Trees and ferns growing in the mortar joints.
	10	Spandrel Wall/Head Wall								
	11	Pier/Column	3	C	3.2	RM	L	99	✓	Some loss of mortar at the upstream extent of both piers.
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements	5	E	4.1	SBP	M	99	✓	Remove rust & treat.
	20	Painting: Substructure Elements	5	E	4.1	SBP	M	99	✓	Remove rust and treat.
	21	Painting: Parapets/Safety Fences	5	D	4.1	SBP	L	99		Remove rust & treat

Safety Elements	22	Access/Walkways/Gantries	1	A	13.1	?	?	0	✓	
	23	Handrail/Parapets/Safety Fences	3	C	1.1	SBP	L	99		Remove rust & treat.
	24	Carriageway Surfacing	2	C	1.1	SBP	L	99		
	25	Footway/Verge/Footbridge Surfacing	1	A	9.1	?	?	0	✓	

Other Bridge Elements	26	Invert/River Bed	2	C	7.1	RM	L	99		Upstream extent, both piers have minor scour.
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls	1	A	3.1	?	?	0		
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0	✓	
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **BALLINDALLOCH VIADUCT**

Ref No: **NN034**

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
1	1	3	D	1.1	SBP	L	£99	Remove rust and treat.
2	2	3	D	1.1	SBP	M	£99	Remove rust & treat.
8	3	1	A	6.1	?	?	£0	
9	4	3	C	5.1	RVP	L	£99	Remove tree from abutment wall.
11	5	2	C	3.2	P	L	£99	Minor loss.
19	6	5	E	4.1	SBP	M	£99	Remove rust and treat.
20	7	5	D	4.1	SBP	L	£99	Remove rust & treat.
22	8	1	A	13.1	?	?	£0	Timber footbridge built on the existing rail bridge is sound.
25	9	1	A	9.1	?	?	£0	
33	10	1	A	11.1	?	?	£0	

Inspector's Comments

McFarlane Engineer bridge, dated 1863. Hot riveted, iron plate bridge.
The pain has flaked off most elements of this bridge, exposing bare metal and left to rust.

Name: Redacted	Signed:	Date: 30/11/2023
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Engineer's Comments

Name:	Signed:	Date: 01/01/1970
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Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: BALLINDALLOCH VIADUCT

Ref No: NN034

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
2	SHOT BLAST AND PAINT	Medium	£99
1	SHOT BLAST AND PAINT	Medium	£99
19	SHOT BLAST AND PAINT	Medium	£99
20	SHOT BLAST AND PAINT	Low	£99
21	SHOT BLAST AND PAINT	Low	£99
23	SHOT BLAST AND PAINT	Low	£99
24	SHOT BLAST AND PAINT	Low	£99
26	R Repair / Maintain	Low	£99
9	REMOVE VEGETATION AND POINT	Low	£99
9	REMOVE VEGETATION AND POINT	Low	£99
11	POINT	Low	£99
11	R Repair / Maintain	Low	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **BALLINDALLOCH VIADUCT**

Ref No: **NN034**

General Inspection CSS		Inspector: Redacted	Form 2 of 2 for this structure	
Bridge Name: BALLINDALLOCH VIADUCT			Date: 30/11/2023	
Bridge Ref/No: NN034		Span Width: 14.00 m		Map Ref: 316878,836800
BCI Span Number: 3	BCI Span Total	Length of Span: 4.00 m		Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface
Span description:			Primary Deck Material: G Wrought Iron	
All above ground elements inspected:		Photographs:		Secondary Deck Form: 36 Other - Transverse Beams
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: G Wrought Iron	

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av	65.24	BCS av	2.62	BCI av	70.40	BCS av	2.48		
BCI crit	41.46	BCS crit		BCI crit	50.32	BCS crit	3.30		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	3	D	1.1	SBP	L	99		Remove rust & treat.
	2	Secondary Deck Element/S - Transverse Beams	3	D	1.1	SBP	L	99		Remove rust & treat.
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	3.2	?	?	0		
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								
Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements	5	D	4.1	SBP	L	99		Remove rust & treat.
	20	Painting: Substructure Elements	5	D	4.1	SBP	L	99		Remove rust & treat.
Safety Elements	21	Painting: Parapets/Safety Fences								
	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	2	D	1.1	SBP	L	99		Remove rust & treat.
	24	Carriageway Surfacing	2	B	9.1	N	?	0		
Other Bridge Elements	25	Footway/Verge/Footbridge Surfacing								
	26	Invert/River Bed								
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls	1	A	3.1	?	?	0		
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0		
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **BALLINDALLOCH VIADUCT**

Ref No: **NN034**

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											
No multiple defects recorded											

Inspector's Comments											
Name: Redacted				Signed:				Date: 30/11/2023			

Engineer's Comments											
Name:				Signed:				Date: 01/01/1970			

Work Required											
Reference No.	Suggested Remedial Work	Priority	Estimated Cost								
2	SHOT BLAST AND PAINT	Low	£99								
1	SHOT BLAST AND PAINT	Low	£99								
19	SHOT BLAST AND PAINT	Low	£99								
20	SHOT BLAST AND PAINT	Low	£99								
23	SHOT BLAST AND PAINT	Low	£99								
24	N No Action Monitor Only	?	£0								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: MARYWELL FOOTBRIDGE

Ref No: NN131

Principal Inspection CSS		Inspector: Mott MacDonald	Form 1 of 1 for this structure	
Bridge Name: MARYWELL FOOTBRIDGE			Date: 23/05/2023	
Bridge Ref/No: NN131		Span Width: 1.09 m	Map Ref: 320849,862751	
BCI Span Number: 1	BCI Span Total	Length of Span: 15.98 m	Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface	
Span description:			Primary Deck Material: G Wrought Iron	
All above ground elements inspected:		Photographs:	Secondary Deck Form: 36 Other - Transverse Beams	
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: G Wrought Iron	

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av	74.79	BCS av	2.29	BCI av	74.79	BCS av	2.29		
BCI crit	78.88	BCS crit		BCI crit	78.88	BCS crit	2.10		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	C	1.1	N	?	0		
	2	Secondary Deck Element/S - Transverse Beams	2	C	1.1	5	M	8000		
	3	Secondary Deck Element/S - Element From Table 3								
	4	Half Joints								
	5	Tie Beam/Rods	2	C	1.1	N	?	0		
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing	2	C	1.1	N	?	0		

Load Bearing Sub Structure	8	Foundations	1	A	6.6	N	?	0		
	9	Abutments (Incl. Arch Springing)	3	C	3.5	RM	M	2000	✓	
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements	3	C	4.1	N	?	0		
	20	Painting: Substructure Elements								
21	Painting: Parapets/Safety Fences	3	C	4.1	N	?	0			

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	3	B	1.4	N	?	0	✓	
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing								

Other Bridge Elements	26	Invert/River Bed	1	A	7.1	N	?	0		
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments	4	B	11.1	N	?	0		
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **MARYWELL FOOTBRIDGE**

Ref No: **NN131**

Ancillary Elements	35	Approach Rails/Barriers/Walls	1	A	16.1	N	?	0		
	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
9	1	2	B	3.2	?	?	£0	
9	2	2	C	5.2	RV	M	£500	
23	3	2	C	1.1	N	?	£0	
23	4	2	B	13.1	N	?	£0	

Inspector's Comments

Overall, Marywell Footbridge was found to be in fair condition with local areas in poor condition. The most severe defects relate to the timber deck boards. The first 0.6m of the south side of the deck was missing, with the next 0.5m consisting of a temporary plastic board. Missing timber deck boards were also noted on the north side of the structure. This section was 0.4m in length to the full width of the deck and was located 0.6m from the north side. The majority of the remaining timbers were noted to be rotting and deteriorating and an exposed corroded bolt was present at the east side. The main structural elements (main girders, transverse beams, tensile tie bars and deck bracing) were all in fair condition overall. Localised minor surface rusting and paint loss were noted. The handrails had localised surface rusting, mostly at the bases. The west handrails also had corrosion at the welds and an area of impact damage towards the south side. The masonry abutments had localised area of spalling, joint fractures, mortar loss and vegetation growth. The Heras fencing preventing access to the footbridge was partially collapsed and the signage was defaced. Finally, a hole was noted in the embankment approximately 30m upstream of the structure. The bridge condition indicator average score for the structure as determined by the BCI scoring system is 72. The bridge condition indicator critical score is 79

Name: Mott MacDonald	Signed:	Date: 23/05/2023
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Engineer's Comments

Engineer's Comments		
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Name:	Signed:	Date: 01/01/1970
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Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: MARYWELL FOOTBRIDGE

Ref No: NN131

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
8	N No Action Monitor Only	?	£0
2	5 Paint Structural Steel	Medium	£8,000
5	N No Action Monitor Only	?	£0
1	N No Action Monitor Only	?	£0
19	N No Action Monitor Only	?	£0
21	N No Action Monitor Only	?	£0
23	N No Action Monitor Only	?	£0
23	N No Action Monitor Only	?	£0
23	N No Action Monitor Only	?	£0
26	N No Action Monitor Only	?	£0
33	N No Action Monitor Only	?	£0
35	N No Action Monitor Only	?	£0
9	R Repair / Maintain	Medium	£2,000
9	REMOVE VEGETATION	Medium	£500
7	N No Action Monitor Only	?	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: KIRKHILL CEMETERY BRIDGE

Ref No: NN127

General Inspection CSS		Inspector: Kim McGowan	Form 1 of 1 for this structure	
Bridge Name: KIRKHILL CEMETERY BRIDGE			Date: 22/06/2023	
Bridge Ref/No: NN127		Span Width: 1.30 m		Map Ref: 324957,862677
BCI Span Number: 1/1	BCI Span Total	Length of Span: 26.17 m		Primary Deck Form: 03 Arch - Tied (Including Hangers)
Span description:				Primary Deck Material: E Steel
All above ground elements inspected:			Photographs:	Secondary Deck Form: 36 Other - Transverse Beams
Number of construction forms in Bridge/Span: 1				Secondary Deck Material: N Timber

Condition Indicator and Scores							
Average Score for structure				Span Score			
BCI av		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	3	B	1.2	RM	M	99	✓	Cemetery side has some section loss around riveted areas of the tension brackets.
	2	Secondary Deck Element/S - Transverse Beams								
	3	Secondary Deck Element/S - Element From Table 3	4	E	13.1	R	H	99		All timber elements need to be replace ASAP . Areas around fixings have rot or disintegrated. NOT SAFE TO USE.
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing	5	D	13.1	R	H	99		Timber has rotted away. Not safe.

Load Bearing Sub Structure	8	Foundations	2	C	6.1	I	M	99		Cemetery side abutment cracked from foundation to bridge seat.
	9	Abutments (Incl. Arch Springing)	4	D	3.5	I	H	99		Cemetery side cracked from foundation up.
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements	5	E	4.1	SBP	H	99		Remove rust, repair & treat.
	20	Painting: Substructure Elements								
	21	Painting: Parapets/Safety Fences	5	E	4.1	SBP	H	99		Remove rust and treat

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	3	B	1.3	RM	M	99		Rivet snapped from handrail on the upstream cemetery side.
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **KIRKHILL CEMETERY BRIDGE**

Ref No: **NN127**

Other Bridge Elements	26	Invert/River Bed	2	B	7.1	N	?	0		
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments	4	E	5.2	RV	H	99		Access to west bank impossible at present due to brambles and Hogweed.
	34	Machinery								

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
1	1	3	D	1.1	RM	M	£99	Remove rust and treat.

Inspector's Comments

Name: Kim McGowan

Signed:

Date: 22/06/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: KIRKHILL CEMETERY BRIDGE

Ref No: NN127

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
8	To be investigated	Medium	£99
3	TO BE REPLACED	High	£99
1	R Repair / Maintain	Medium	£99
1	R Repair / Maintain	Medium	£99
19	SHOT BLAST AND PAINT	High	£99
21	SHOT BLAST AND PAINT	High	£99
23	R Repair / Maintain	Medium	£99
26	N No Action Monitor Only	?	£0
33	REMOVE VEGETATION	High	£99
9	To be investigated	High	£99
7	TO BE REPLACED	High	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: MORRISTON BRIDGE

Ref No: NN142

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: MORRISTON BRIDGE			Date: 06/09/2023	
Bridge Ref/No: NN142		Span Width: 3.96 m		Map Ref: 321013,863127
BCI Span Number: 1	BCI Span Total	Length of Span: 22.00 m		Primary Deck Form: 08 Truss - At / Below Deck Surfacing
Span description:				Primary Deck Material: E Steel
All above ground elements inspected:			Photographs:	Secondary Deck Form: 36 Other - Transverse Beams
Number of construction forms in Bridge/Span: 1				Secondary Deck Material: E Steel

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av		BCS av		BCI av		BCS av			
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	B	1.1	4	L	99		Remove rust and paint.
	2	Secondary Deck Element/S - Transverse Beams	2	C	1.1	I	L	99		Accessed to be staining from surface element.
	3	Secondary Deck Element/S - Element From Table 3	3	D	1.2	POR	M	99	✓	Sway bracing is heavily corroded. Remove rust and paint.
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing	4	D	1.1	4	L	99		Remove rust and paint.

Load Bearing Sub Structure	8	Foundations	1	A	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	2	C	2.2	I	L	99		Hairline, vertical cracks in the LHS abutment.
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings	2	C	12.1	N	?	0		
	14	Bearing Plinth/Shelf	1	A	2.1	?	?	0		

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing	5	E	14.1	I	H	99		Thick, flaking rust present at joints.
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements	5	D	4.1	4	M	99		Remove rust and paint
	20	Painting: Substructure Elements	5	D	4.1	4	H	99		Remove rust and paint
	21	Painting: Parapets/Safety Fences	2	D	4.1	N	?	0		

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	2	B	1.1	N	?	0	✓	
	24	Carriageway Surfacing	4	D	9.1	RM	H	99		Surface around all joints has come away. Steel sheet deck surface exposed.
	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								
	32	Retaining Walls								
	33	Embankments								
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **MORRISTON BRIDGE**

Ref No: **NN142**

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
3	1	3	E	1.3	R	H	£99	All bolts and fixing have separate layers of thick rust.
23	2	2	E	13.1	N	?	£0	Likely deformed by vandalism.

Inspector's Comments

Name: Redacted	Signed:	Date: 06/09/2023
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Engineer's Comments

Name:	Signed:	Date: 01/01/1970
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Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
13	N No Action Monitor Only	?	£0
2	To be investigated	Low	£99
17	To be investigated	High	£99
3	PAINT OR REPLACE	Medium	£99
3	TO BE REPLACED	High	£99
1	4 Remedy Corrosion	Low	£99
19	4 Remedy Corrosion	Medium	£99
20	4 Remedy Corrosion	High	£99
21	N No Action Monitor Only	?	£0
23	N No Action Monitor Only	?	£0
23	N No Action Monitor Only	?	£0
24	R Repair / Maintain	High	£99
9	To be investigated	Low	£99
7	4 Remedy Corrosion	Low	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: FORRES ACADEMY BRIDGE

Ref No: NN100

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: FORRES ACADEMY BRIDGE			Date: 20/11/2023	
Bridge Ref/No: NN100		Span Width: 1.20 m		Map Ref: 303776,858067
BCI Span Number: 1/1	BCI Span Total	Length of Span: 13.06 m		Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface
Span description:				Primary Deck Material: E Steel
All above ground elements inspected:			Photographs:	Secondary Deck Form: 36 Other - Transverse Beams
Number of construction forms in Bridge/Span: 1				Secondary Deck Material: E Steel

Condition Indicator and Scores							
Average Score for structure				Span Score			
BCI av		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	3	E	1.1	SBP	L	99	✓	
	2	Secondary Deck Element/S - Transverse Beams	3	E	1.1	SBP	M	99		Corrosion through out.
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	3	E	5.2	RV	H	99		Thickly covered in ivy.
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings	2	E	12.1	SBP	L	99		
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements	5	E	4.1	SBP	H	99		The paint is peeling of in large sections due to rust beneath.
	20	Painting: Substructure Elements	5	E	4.1	SBP	H	99		The paint is peeling of in large sections due to rust beneath.
	21	Painting: Parapets/Safety Fences	4	E	4.1	P	M	99		Paint has weathered and been vandalised.

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	2	D	1.1	P	L	99		Some weathering and scratched paint in need of re-paint.
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	2	E	9.1	P	L	99		

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: FORRES ACADEMY BRIDGE

Ref No: NN100

Other Bridge Elements	26	Invert/River Bed	2	C	7.2	DB	M	99		Remove security gate deposited at the base of the academy side abutment.
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments								
34	Machinery									

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
1	1	3	D	5.1	RV	H	£99	3 trees on the academy side are growing, in direct contact with the structure. Ivy is covering both abutments and the upstream side of the structure.

Inspector's Comments

Name: Redacted	Signed:	Date: 20/11/2023
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Engineer's Comments

Name:	Signed:	Date: 01/01/1970
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Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: FORRES ACADEMY BRIDGE

Ref No: NN100

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
13	SHOT BLAST AND PAINT	Low	£99
2	SHOT BLAST AND PAINT	Medium	£99
1	REMOVE VEGETATION	High	£99
1	SHOT BLAST AND PAINT	Low	£99
19	SHOT BLAST AND PAINT	High	£99
20	SHOT BLAST AND PAINT	High	£99
26	REMOVE DEBRIS	Medium	£99
9	REMOVE VEGETATION	High	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: BROOM OF MOY FOOTBRIDGE

Ref No: NN043

General Inspection CSS		Inspector: Redacted	Form 1 of 4 for this structure	
Bridge Name: BROOM OF MOY FOOTBRIDGE			Date: 20/11/2023	
Bridge Ref/No: NN043		Span Width: 5.02 m		Map Ref: 302051,859191
BCI Span Number: 1	BCI Span Total	Length of Span: 54.03 m		Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface
Span description:				Primary Deck Material: E Steel
All above ground elements inspected:			Photographs:	Secondary Deck Form: 26 Other - No Transverse Beams
Number of construction forms in Bridge/Span: 1				Secondary Deck Material: N Timber

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av	77.33	BCS av	1.81		BCI av	61.12	BCS av	2.87	
BCI crit	72.90	BCS crit			BCI crit	50.32	BCS crit	3.30	

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	3	D	1.1	SBP	L	99		
	2	Secondary Deck Element/S - Transverse Beams	3	C	1.2	R	L	99		Some beams need replacing soon.
	3	Secondary Deck Element/S - Element From Table 3								
	4	Half Joints								
	5	Tie Beam/Rods	3	D	1.1	SBP	L	99		Remove corrosion and treat.
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing	2	C	1.1	SBP	L	99		Remove and treat corrosion.

Load Bearing Sub Structure	8	Foundations	1	A	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	2.1	?	?	0	✓	
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings	3	E	12.1	SBP	M	99		Remove corrosion and treat.
	14	Bearing Plinth/Shelf	1	A	2.1	?	?	0		

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements	5	E	4.1	SBP	M	99		
	20	Painting: Substructure Elements								
21	Painting: Parapets/Safety Fences	5	E	4.1	SBP	L	99			

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	3	E	1.1	SBP	M	99		
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	3	D	9.5	P	M	99		Remove algae from outer edge.

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								
	32	Retaining Walls								
	33	Embankments								
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **BROOM OF MOY FOOTBRIDGE**

Ref No: **NN043**

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
9	1	2	B	2.2	SBP	H	£99	Offensive graffiti on the Forres side, downstream side of abutment.

Inspector's Comments

Name: Redacted	Signed:	Date: 20/11/2023
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Engineer's Comments

Name:	Signed:	Date: 01/01/1970
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Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
13	SHOT BLAST AND PAINT	Medium	£99
2	TO BE REPLACED	Low	£99
5	SHOT BLAST AND PAINT	Low	£99
1	SHOT BLAST AND PAINT	Low	£99
19	SHOT BLAST AND PAINT	Medium	£99
21	SHOT BLAST AND PAINT	Low	£99
23	SHOT BLAST AND PAINT	Medium	£99
9	SHOT BLAST AND PAINT	High	£99
7	SHOT BLAST AND PAINT	Low	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **BROOM OF MOY FOOTBRIDGE**

Ref No: **NN043**

General Inspection CSS		Inspector: Redacted	Form 2 of 4 for this structure	
Bridge Name: BROOM OF MOY FOOTBRIDGE			Date: 20/11/2023	
Bridge Ref/No: NN043		Span Width: 3.70 m	Map Ref: 302051,859191	
BCI Span Number: 2	BCI Span Total	Length of Span: 27.80 m	Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface	
Span description:			Primary Deck Material: E Steel	
All above ground elements inspected:		Photographs:	Secondary Deck Form: 36 Other - Transverse Beams	
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: N Timber	

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av	77.33	BCS av	1.81	BCI av	91.28	BCS av	1.49		
BCI crit	72.90	BCS crit		BCI crit	100.00	BCS crit	1.00		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	1	A	1.1	?	?	0		
	2	Secondary Deck Element/S - Transverse Beams	1	A	1.1	?	?	0		
	3	Secondary Deck Element/S - Element From Table 3								
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing	2	B	1.1	N	?	0		Minor rust.

Load Bearing Sub Structure	8	Foundations	1	A	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)								
	10	Spandrel Wall/Head Wall								
	11	Pier/Column	1	A	2.1	?	?	0		
	12	Cross-head/Capping Beam								
	13	Bearings	1	A	12.1	?	?	0		
	14	Bearing Plinth/Shelf	1	A	2.1	?	?	0		

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements	3	B	4.1	N	?	0		
	20	Painting: Substructure Elements	1	A	4.1	?	?	0		
	21	Painting: Parapets/Safety Fences	3	B	4.1	N	?	0		

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	3	B	1.3	R	L	99		Replace missing fixings.
	24	Carriageway Surfacing	1	A	9.1	?	?	0		
	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								
	32	Retaining Walls								
	33	Embankments								
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **BROOM OF MOY FOOTBRIDGE**

Ref No: **NN043**

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

No multiple defects recorded

Inspector's Comments

Name: Redacted	Signed:	Date: 20/11/2023
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Engineer's Comments

Name:	Signed:	Date: 01/01/1970
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Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
19	N No Action Monitor Only	?	£0
21	N No Action Monitor Only	?	£0
23	TO BE REPLACED	Low	£99
7	N No Action Monitor Only	?	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: BROOM OF MOY FOOTBRIDGE

Ref No: NN043

General Inspection CSS		Inspector: Redacted	Form 3 of 4 for this structure	
Bridge Name: BROOM OF MOY FOOTBRIDGE			Date: 20/11/2023	
Bridge Ref/No: NN043		Span Width: 3.70 m	Map Ref: 302051,859191	
BCI Span Number: 3	BCI Span Total	Length of Span: 27.20 m	Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface	
Span description:			Primary Deck Material: E Steel	
All above ground elements inspected:		Photographs:	Secondary Deck Form: 36 Other - Transverse Beams	
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: N Timber	

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av	77.33	BCS av	1.81	BCI av	89.22	BCS av	1.59		
BCI crit	72.90	BCS crit		BCI crit	78.88	BCS crit	2.10		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	1	A	1.1	?	?	0		
	2	Secondary Deck Element/S - Transverse Beams	1	A	1.1	?	?	0		
	3	Secondary Deck Element/S - Element From Table 3								
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing	2	B	1.1	N	?	0		

Load Bearing Sub Structure	8	Foundations	1	A	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)								
	10	Spandrel Wall/Head Wall								
	11	Pier/Column	2	C	2.2	N	?	0		2 hairline vertical cracks in the Forres side pier.
	12	Cross-head/Capping Beam								
	13	Bearings	1	A	12.1	?	?	0		
	14	Bearing Plinth/Shelf	1	A	2.1	?	?	0		

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements	3	B	4.1	N	?	0		
	20	Painting: Substructure Elements								
	21	Painting: Parapets/Safety Fences								

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	3	B	1.3	R	L	99		Some bolts missing from 2 panels.
	24	Carriageway Surfacing								
	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								
	32	Retaining Walls								
	33	Embankments								
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **BROOM OF MOY FOOTBRIDGE**

Ref No: **NN043**

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										
No multiple defects recorded										

Inspector's Comments										
Replace missing bolts										
Name: Redacted				Signed:				Date: 20/11/2023		

Engineer's Comments										
Name:				Signed:				Date: 01/01/1970		

Work Required										
Reference No.	Suggested Remedial Work	Priority	Estimated Cost							
19	N No Action Monitor Only	?	£0							
23	TO BE REPLACED	Low	£99							
11	N No Action Monitor Only	?	£0							
7	N No Action Monitor Only	?	£0							

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: BROOM OF MOY FOOTBRIDGE

Ref No: NN043

General Inspection CSS		Inspector: Redacted	Form 4 of 4 for this structure	
Bridge Name: BROOM OF MOY FOOTBRIDGE			Date: 20/11/2023	
Bridge Ref/No: NN043		Span Width: 3.70 m	Map Ref: 302051,859191	
BCI Span Number: 4	BCI Span Total	Length of Span: 27.30 m	Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface	
Span description:			Primary Deck Material: E Steel	
All above ground elements inspected:		Photographs:	Secondary Deck Form: 36 Other - Transverse Beams	
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: N Timber	

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av	77.33	BCS av	1.81	BCI av	94.81	BCS av	1.29		
BCI crit	72.90	BCS crit		BCI crit	100.00	BCS crit	1.00		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	1	A	1.1	?	?	0		
	2	Secondary Deck Element/S - Transverse Beams	1	A	1.1	?	?	0		
	3	Secondary Deck Element/S - Element From Table 3								
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing	1	A	1.1	?	?	0		

Load Bearing Sub Structure	8	Foundations	1	A	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	2.2	?	?	0		
	10	Spandrel Wall/Head Wall								
	11	Pier/Column	1	A	2.1	?	?	0		
	12	Cross-head/Capping Beam								
	13	Bearings	1	A	12.1	B	?	0		
	14	Bearing Plinth/Shelf	1	A	2.1	?	?	0		

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements	1	A	4.1	?	?	0		
	20	Painting: Substructure Elements								
	21	Painting: Parapets/Safety Fences	3	B	4.1	N	?	0		

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	3	C	1.3	R	H	99		Panel bolts missing from the fence between spans. Only 1 remains in place leaving the section insecure.
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	1	A	9.1	?	?	0		

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								
	32	Retaining Walls								
	33	Embankments								
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **BROOM OF MOY FOOTBRIDGE**

Ref No: **NN043**

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										
No multiple defects recorded										

Inspector's Comments										
Replace all missing bolts.										
Name: Redacted				Signed:				Date: 20/11/2023		

Engineer's Comments										
Name:				Signed:				Date: 01/01/1970		

Work Required										
Reference No.	Suggested Remedial Work	Priority	Estimated Cost							
21	N No Action Monitor Only	?	£0							
23	TO BE REPLACED	High	£99							

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: MOSSET BURN BRIDGE NORTH

Ref No: NN144

Principal Inspection CSS		Inspector: Mott MacDonald	Form 1 of 1 for this structure	
Bridge Name: MOSSET BURN BRIDGE NORTH			Date: 22/03/2023	
Bridge Ref/No: NN144		Span Width: 1.70 m	Map Ref: 303430,859053	
BCI Span Number: 1/1	BCI Span Total	Length of Span: 15.38 m	Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface	
Span description:			Primary Deck Material: E Steel	
All above ground elements inspected:		Photographs:	Secondary Deck Form: 21 Buckle Plates - No Transverse Beams	
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: Rd Steel	

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av	64.53	BCS av	2.73	BCI av	64.53	BCS av	2.73		
BCI crit	22.12	BCS crit		BCI crit	22.12	BCS crit	4.30		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	3	C	1.2	R	H	25000	✓	General thinning of underside of bottom flange of 2no. bottom chord girders.
	2	Secondary Deck Element/S - Transverse Beams	3	E	1.1	R	H	0	✓	General corrosion, localised to sections directly underneath the deck
	3	Secondary Deck Element/S - Element From Table 3	4	D	1.1	R	H	0	✓	Corrosion throughout sheeting, prominent along south and north edges
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing	3	E	1.1	R	H	0	✓	Corrosion and delamination throughout bracing, topside of bracing in better condition.
Load Bearing Sub Structure	8	Foundations	1	A	6.1	N	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	2.1	N	?	0		
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf	1	A	2.1	N	?	0		
Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing	5	E	14.2	R	H	10000		NON FUNCTIONAL if present
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements	5	C	4.1	P	H	10000		Failure of paintwork at areas of corrosion to steel truss elements
	20	Painting: Substructure Elements								
Safety Elements	21	Painting: Parapets/Safety Fences								
	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	3	B	1.2	RM	L	1000		
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	2	B	5.1	N	?	0		

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **MOSSET BURN BRIDGE NORTH**

Ref No: **NN144**

Other Bridge Elements	26	Invert/River Bed	1	A	7.1	N	?	0		
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments	1	A	11.1	N	?	0		
	34	Machinery								

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
1	1	3	C	1.1	R	H	£0	Corrosion in the areas of thinning to the bottom flange of 2no. bottom chord girders.
2	2	2	E	1.2	RM	H	£0	Section loss to areas of corrosion, 5mm max, typically 1-3mm
3	3	4	B	1.2	R	H	£0	Section loss, worst at T5 and T6, and above the east abutment.
7	4	2	C	1.2	RM	H	£0	Section throughout areas of corrosion, 3mm max and typically 1-2mm.

Inspector's Comments

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: MOSSET BURN BRIDGE NORTH

Ref No: NN144

Overall, Mosset Burn Bridge North was found to be in poor condition with multiple defects noted. For the purpose of reporting the locations of the defects, the transverse beams are numbered T1-6 (west to east).

The predominant defect identified in the structure was corrosion to the underside steel elements of the truss. This included the underside of the bottom flange of the 2no. bottom chord girders, the north and south edges of the deck sheeting, the transverse beams directly below the deck, and the bracing. The paintwork had also failed completely in these locations.

There was thinning noted to the corroded elements with complete section loss in some areas of the steel sheeting. This was generally present towards the east end of the structure around transverse beams T5 and T6, and above the east abutment. The underside of the concrete walkway was also visible in some of these locations with some areas of the concrete loose and falling out.

The waterproofing has also either failed or is not present due to the widespread corrosion present to the underside.

The 2no. top chord girders, lattices, outriggers/stiffeners, and webs of the 2no. bottom chord girders were in comparatively good condition.

Minor vegetation growth was present along the edges of the deck surfacing and the southwest parapet end pole had an area of section loss.

No significant defects were noted to the other bridge elements.

The bridge condition indicator average score for the structure as determined by the BCI scoring system is 65. The bridge condition indicator critical score is 22.

The condition of each element present on the bridge is detailed in this report, together with a descriptive summary of the recommended repair works.

It is recommended that the underside steel elements that have experienced corrosion and section loss are blast-cleaned, repaired and repainted as a high priority. Suitable waterproofing should also be applied to the structure to prevent future corrosion of the steel elements. Consideration should also be given to replacing the southwest parapet end pole.

However, given the poor condition of the structure consideration should also be given to a full deck replacement.

In the interim it is recommended that a programme of short-interval visual monitoring is instigated to ensure that any further deterioration of the deck is identified and mitigated as rapidly as practicable. Monthly special inspection is recommended.

Name: Mott MacDonald	Signed:	Date: 22/03/2023
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Engineer's Comments

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Name:	Signed:	Date: 01/01/1970
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Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: MOSSET BURN BRIDGE NORTH

Ref No: NN144

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
8	N No Action Monitor Only	?	£0
2	R Repair / Maintain	High	£0
2	TO BE REPLACED	High	£0
17	TO BE REPLACED	High	£10,000
3	TO BE REPLACED	High	£0
3	TO BE REPLACED	High	£0
1	TO BE REPLACED	High	£25,000
1	TO BE REPLACED	High	£0
14	N No Action Monitor Only	?	£0
23	R Repair / Maintain	Low	£1,000
25	N No Action Monitor Only	?	£0
26	N No Action Monitor Only	?	£0
33	N No Action Monitor Only	?	£0
9	N No Action Monitor Only	?	£0
7	R Repair / Maintain	High	£0
7	TO BE REPLACED	High	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: MOSSET BURN BRIDGE SOUTH

Ref No: NN145

Principal Inspection CSS		Inspector: Mott MacDonald	Form 1 of 1 for this structure	
Bridge Name: MOSSET BURN BRIDGE SOUTH			Date: 22/03/2023	
Bridge Ref/No: NN145		Span Width: 3.70 m		Map Ref: 303394,858862
BCI Span Number: 1/1	BCI Span Total	Length of Span: 21.33 m		Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface
Span description:				Primary Deck Material: E Steel
All above ground elements inspected:			Photographs:	Secondary Deck Form: 36 Other - Transverse Beams
Number of construction forms in Bridge/Span: 1				Secondary Deck Material: E Steel

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av	57.53	BCS av	3.02	BCI av	57.53	BCS av	3.02		
BCI crit	22.12	BCS crit		BCI crit	22.12	BCS crit	4.30		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	3	C	1.2	RM	H	25000	✓	Section loss situated between T1 and T2 on the north side. 300mm L x 100mm W max, typically 80mm.
	2	Secondary Deck Element/S - Transverse Beams	3	E	1.1	RM	H	0	✓	Approx. 80% of the surface area of the beams had corrosion present. cost included in item 1
	3	Secondary Deck Element/S - Element From Table 3	4	D	1.1	RM	H	0	✓	Corrosion typically to the north and south edges of the deck, with the worst area on the south side between T2 and T3
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing	3	E	1.1	RM	H	0	✓	Corrosion and associated delamination throughout.

Load Bearing Sub Structure	8	Foundations	1	A	6.1	N	?	0		
	9	Abutments (Incl. Arch Springing)	3	B	3.5	RM	M	2500	✓	West abutment, vertical fracture at centre and at north end, open 1-2mm.
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf	1	A	3.1	N	?	0		

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing	5	E	14.2	W	H	10000		non functional if present
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements	5	C	4.1	P	H	10000		Failure of paintwork at areas of corrosion to steel truss elements.
	20	Painting: Substructure Elements								
21	Painting: Parapets/Safety Fences									

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	3	B	1.1	RM	L	1000		Corrosion to NE and NW end posts
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	4	B	9.4	RM	M	10000		Concrete, cracking at E and W ends. Scored under 3.5 but unable to select this option here

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **MOSSET BURN BRIDGE SOUTH**

Ref No: **NN145**

Other Bridge Elements	26	Invert/River Bed	1	A	7.2	N	?	0		natural no issues
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments	1	A	11.1	N	?	0		
	34	Machinery								

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
1	1	3	B	1.1	RM	H	£0	Corrosion along the bottom flange of the 2no. bottom chord girders
2	2	3	E	1.2	RM	H	£0	Section loss noted to 5mm max, typically 1-3mm.
3	3	4	B	1.2	RM	H	£0	Section loss between T2 and T3 on the south side, 550mm L x 400mm W max, typically 80mm. Areas of the concrete loose and falling out. Further section loss between T4 and T5 the south side, 450mm L x 200mm W max, typically 100mm. The sheeting was also noted to be loose in this area
7	4	3	E	1.2	RM	H	£0	Section loss, up to 3mm max and typically 1-2mm throughout to areas of corrosion
9	5	2	C	3.6	RM	M	£0	West abutment, weathering to south bed stone, 70mm deep max.
9	6	3	B	3.2	RM	M	£0	West abutment, open joints throughout, 50mm joint displacement on south side.

Inspector's Comments

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: MOSSET BURN BRIDGE SOUTH

Ref No: NN145

Overall, Mosset Burn Bridge South was found to be in poor condition with multiple defects noted. For the purpose of reporting the locations of the defects, the transverse beams are numbered T1-8 (west to east).

The predominant defect identified in the structure was corrosion to the underside steel elements of the truss. This included the underside of the bottom flange of the 2no. bottom chord girders, the north and south edges of the deck sheeting, the transverse beams directly below the deck, and the bracing. The paintwork had also failed completely in these locations.

There was thinning noted to the corroded elements with complete section loss in some areas of the steel sheeting. The worst areas of section loss were situated between T2 and T3 on the south side, as well as between T4 and T5 the south side. The underside of the concrete walkway was also visible with areas of the concrete loose and falling out. The sheeting was also noted to be loose in some areas.

The waterproofing has also either failed or is not present due to the widespread corrosion present to the underside.

The 2no. top chord girders, lattices, outriggers/stiffeners, and webs of the 2no. bottom chord girders were in comparatively better condition, with only minor localised corrosion present.

At the west abutment, open joints were present with vertical fractures also evident at the centre and north ends, open 1-2mm. Weathering was also noted to the south bed stone, 70mm deep max. Staining was noted to both abutments.

At both the east and west side of the structure the concrete walkway had 2no. connecting horizontal fractures. The horizontal fractures were the full width of the walkway with a connecting vertical fracture, all open 2-4mm.

Finally, corrosion was noted to the northeast and northwest parapet end posts.

No significant defects were noted to the other bridge elements.

The bridge condition indicator average score for the structure as determined by the BCI scoring system is 57. The bridge condition indicator critical score is 22.

The condition of each element present on the bridge is detailed in this report, together with a descriptive summary of the recommended repair works.

The Moray Council
Principal Bridge Inspection Report
Page 28
Mott MacDonald | 1 September 2023

It is recommended that the underside steel elements that have experienced corrosion and section loss are blast-cleaned, repaired and repainted as a high priority. Suitable waterproofing should also be applied to the structure to prevent future corrosion of the steel elements. Concrete repairs should be undertaken to the east and west sides of the walkway. Consideration should also be given to repainting the northeast and northwest parapet end poles.

However, given the poor condition of the structure consideration should also be given to a full deck replacement.

In the interim it is recommended that a programme of short-interval visual monitoring is instigated to ensure that any further deterioration of the deck is identified and mitigated as rapidly as practicable. Monthly special inspection is recommended.

Name: Mott MacDonald	Signed:	Date: 22/03/2023
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Engineer's Comments

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Name:	Signed:	Date: 01/01/1970
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Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: MOSSET BURN BRIDGE SOUTH

Ref No: NN145

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
8	N No Action Monitor Only	?	£0
2	R Repair / Maintain	High	£0
2	R Repair / Maintain	High	£0
17	REPLACE WATERPROOFING	High	£10,000
3	R Repair / Maintain	High	£0
3	R Repair / Maintain	High	£0
1	R Repair / Maintain	High	£25,000
1	R Repair / Maintain	High	£0
14	N No Action Monitor Only	?	£0
23	R Repair / Maintain	Low	£1,000
25	R Repair / Maintain	Medium	£10,000
26	N No Action Monitor Only	?	£0
33	N No Action Monitor Only	?	£0
9	R Repair / Maintain	Medium	£0
9	R Repair / Maintain	Medium	£2,500
9	R Repair / Maintain	Medium	£0
7	R Repair / Maintain	High	£0
7	R Repair / Maintain	High	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: HOPEMAN TO BURGHEAD OLD RAILWAY 1

Ref No: NN120

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: HOPEMAN TO BURGHEAD OLD RAILWAY 1			Date: 12/09/2023	
Bridge Ref/No: NN120		Span Width: 4.75 m	Map Ref: 314167,869557	
BCI Span Number: 1/1	BCI Span Total	Length of Span: 4.57 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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)								
	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								
	9	Abutments (Incl. Arch Springing)								
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	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								
	24	Carriageway Surfacing								
	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								
	32	Retaining Walls								
	33	Embankments								
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: HOPEMAN TO BURGHEAD OLD RAILWAY 1

Ref No: NN120

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
No multiple defects recorded

Inspector's Comments			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%;">Name: Redacted</td> <td style="width: 35%;">Signed:</td> <td style="width: 30%;">Date: 12/09/2023</td> </tr> </table>	Name: Redacted	Signed:	Date: 12/09/2023
Name: Redacted	Signed:	Date: 12/09/2023	

Engineer's Comments			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%;">Name:</td> <td style="width: 35%;">Signed:</td> <td style="width: 30%;">Date: 01/01/1970</td> </tr> </table>	Name:	Signed:	Date: 01/01/1970
Name:	Signed:	Date: 01/01/1970	

Work Required

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: HOPEMAN TO BURGHEAD OLD RAILWAY 2

Ref No: NN121

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: HOPEMAN TO BURGHEAD OLD RAILWAY 2			Date: 12/09/2023	
Bridge Ref/No: NN121		Span Width: 4.65 m		Map Ref: 313705,869376
BCI Span Number: 1/1	BCI Span Total	Length of Span: 4.41 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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	1	A	3.1	?	?	0		
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	2	B	3.2	N	?	0		
	10	Spandrel Wall/Head Wall	2	B	3.2	N	?	0		
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing	2	B	14.2	N	?	0		No wet surfaces, but stains present.
	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	1	A	16.1	?	?	0		New
	24	Carriageway Surfacing								
	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								
	32	Retaining Walls								
	33	Embankments								
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: HOPEMAN TO BURGHEAD OLD RAILWAY 2

Ref No: NN121

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

No multiple defects recorded

Inspector's Comments

Name: Redacted	Signed:	Date: 12/09/2023
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Engineer's Comments

Name:	Signed:	Date: 01/01/1970
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Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
17	N No Action Monitor Only	?	£0
9	N No Action Monitor Only	?	£0
10	N No Action Monitor Only	?	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: HOPEMAN TO BURGHEAD OLD RAILWAY 3

Ref No: NN122

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: HOPEMAN TO BURGHEAD OLD RAILWAY 3			Date: 12/09/2023	
Bridge Ref/No: NN122		Span Width: 4.56 m		Map Ref: 313548,869266
BCI Span Number: 1/1	BCI Span Total	Length of Span: 4.53 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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	3	C	3.2	I	L	99		Joint seems to have opened. Mortar loss in a straight line full width of bridge.
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)								
	10	Spandrel Wall/Head Wall	1	A	3.1	?	?	0		
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	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								
	24	Carriageway Surfacing								
	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								
	32	Retaining Walls								
	33	Embankments								
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: HOPEMAN TO BURGHEAD OLD RAILWAY 3

Ref No: NN122

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

No multiple defects recorded

Inspector's Comments

Name: Redacted

Signed:

Date: 12/09/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
1	To be investigated	Low	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: HOPEMAN TO BURGHEAD OLD RAILWAY 4

Ref No: NN123

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: HOPEMAN TO BURGHEAD OLD RAILWAY 4			Date: 12/09/2023	
Bridge Ref/No: NN123		Span Width: 4.75 m		Map Ref: 313332,869158
BCI Span Number: 1/1	BCI Span Total	Length of Span: 3.60 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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	C	3.4	RM	L	99		Crack follows the outer coarse of block work to the Northern extent. Previously repaired and failed.
	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	2	B	6.2	N	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	3.2	?	?	0		Previous repair holding well.
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing	2	B	14.2	N	?	0		Slight stain to the Eastern side of arch
	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	1	A	16.2	?	?	0		
	24	Carriageway Surfacing	1	A	9.1	?	?	0		
	25	Footway/Verge/Footbridge Surfacing	1	A	9.1	?	?	0		

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	B	3.2	N	?	0		Slight loss to both northern walls
	32	Retaining Walls								
	33	Embankments								
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: HOPEMAN TO BURGHEAD OLD RAILWAY 4

Ref No: NN123

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

No multiple defects recorded

Inspector's Comments

Name: Redacted	Signed:	Date: 12/09/2023
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Engineer's Comments

Name:	Signed:	Date: 01/01/1970
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Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
8	N No Action Monitor Only	?	£0
31	N No Action Monitor Only	?	£0
17	N No Action Monitor Only	?	£0
1	R Repair / Maintain	Low	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: HOPEMAN TO BURGHEAD OLD RAILWAY 6

Ref No: NN125

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure
Bridge Name: HOPEMAN TO BURGHEAD OLD RAILWAY 6			Date: 12/09/2023
Bridge Ref/No: NN125		Span Width: 8.68 m	Map Ref: 312380,869126
BCI Span Number: 1/1	BCI Span Total	Length of Span: 3.67 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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	C	3.4	RM	L	99		Crack follows a previously repaired mortar line in the Northern voussoir.
	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	2	B	6.2	N	?	0		
	9	Abutments (Incl. Arch Springing)	2	B	3.2	RM	L	99		Graffiti of a political and vulgar nature. Remove.
	10	Spandrel Wall/Head Wall	2	C	3.2	RM	L	99		Northern wall is more exposed to the elements.
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
14	Bearing Plinth/Shelf									

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing	2	B	14.2	RM	L	0		Some water stains in the arch.
	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								
	24	Carriageway Surfacing	3	E	9.1	N	?	0		Dirt filled, disused bridge.
	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								
	32	Retaining Walls								
	33	Embankments								
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: HOPEMAN TO BURGHEAD OLD RAILWAY 6

Ref No: NN125

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

No multiple defects recorded

Inspector's Comments

Name: Redacted	Signed:	Date: 12/09/2023
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Engineer's Comments

Name:	Signed:	Date: 01/01/1970
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Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
8	N No Action Monitor Only	?	£0
17	R Repair / Maintain	Low	£0
1	R Repair / Maintain	Low	£99
24	N No Action Monitor Only	?	£0
9	R Repair / Maintain	Low	£99
10	R Repair / Maintain	Low	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: HOPEMAN TO BURGHEAD OLD RAILWAY 6

Ref No: NN125

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: HOPEMAN TO BURGHEAD OLD RAILWAY 6			Date: 21/11/2023	
Bridge Ref/No: NN125		Span Width: 8.68 m	Map Ref: 312380,869126	
BCI Span Number: 1/1	BCI Span Total	Length of Span: 3.67 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		BCS av		BCI av		BCS av			
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	3	D	3.2	N	?	0		Costal side in need of pointing.
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	2	C	3.2	N	?	0		Graffiti on abutments.
	10	Spandrel Wall/Head Wall	3	D	3.2	N	?	0		Downstream extent, in need of pointing.
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing	1	A	14.1	?	?	0		
	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								
	24	Carriageway Surfacing	2	C	9.2	N	?	0		Rutted ground.
	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								
	32	Retaining Walls								
	33	Embankments								
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: HOPEMAN TO BURGHEAD OLD RAILWAY 6

Ref No: NN125

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

No multiple defects recorded

Inspector's Comments

Name: Redacted

Signed:

Date: 21/11/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
1	N No Action Monitor Only	?	£0
24	N No Action Monitor Only	?	£0
9	N No Action Monitor Only	?	£0
10	N No Action Monitor Only	?	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: HOPEMAN TO BURGHEAD OLD RAILWAY 5

Ref No: NN124

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: HOPEMAN TO BURGHEAD OLD RAILWAY 5			Date: 12/09/2023	
Bridge Ref/No: NN124		Span Width: 4.70 m		Map Ref: 313228,869125
BCI Span Number: 1/1	BCI Span Total	Length of Span: 4.80 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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	B	3.2	N	?	0		
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	2	B	3.2	N	?	0		
	10	Spandrel Wall/Head Wall	1	A	3.6	N	?	0		Some stones are starting to weather.
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing	2	B	14.2	N	?	0		
	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								
	24	Carriageway Surfacing	1	A	9.1	?	?	0		
	25	Footway/Verge/Footbridge Surfacing	1	A	9.1	?	?	0		

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								
	32	Retaining Walls								
	33	Embankments								
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: HOPEMAN TO BURGHEAD OLD RAILWAY 5

Ref No: NN124

Ancillary Elements	35	Approach Rails/Barriers/Walls								
	36	Signs								
	37	Lighting								
	38	Services	2	C	1.1	P	L	99		

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

Multiple Defects

No multiple defects recorded

Inspector's Comments

Name: Redacted

Signed:

Date: 12/09/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
17	N No Action Monitor Only	?	£0
1	N No Action Monitor Only	?	£0
9	N No Action Monitor Only	?	£0
10	N No Action Monitor Only	?	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: TAMDHU DISTILLERY

Ref No: NN171

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: TAMDHU DISTILLERY			Date: 07/09/2023	
Bridge Ref/No: NN171		Span Width: 10.00 m		Map Ref: 318964,841715
BCI Span Number: 1/1	BCI Span Total	Length of Span: 8.50 m		Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface
Span description:				Primary Deck Material: E Steel
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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	C	1.1	P	L	99		Some areas in need of paint, especially around rivet heads.
	2	Secondary Deck Element/S - Transverse Beams	2	C	1.1	P	L	99		Minor rust patches.
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	3.1	?	?	0		Efflorescence present but no obvious points of concern.
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements								
	20	Painting: Substructure Elements								
	21	Painting: Parapets/Safety Fences								

Safety Elements	22	Access/Walkways/Gantries	4	E	9.1	RM	L	99		Timber elements have rotted away. Feels hollow in some areas and visibly crumbling sections.
	23	Handrail/Parapets/Safety Fences	2	C	1.1	P	L	99		Minor patches of paint loss due to rust. Remove rust and paint.
	24	Carriageway Surfacing	2	C	9.1	RM	L	99		Loose fill material, some displacement and rutting. Would benefit from some levelling.
	25	Footway/Verge/Footbridge Surfacing								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **TAMDHU DISTILLERY**

Ref No: **NN171**

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	1	A	3.1	?	?	0		
	32	Retaining Walls								
	33	Embankments								
	34	Machinery								

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

No multiple defects recorded

Inspector's Comments

Name: Redacted	Signed:	Date: 07/09/2023
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Engineer's Comments

Name:	Signed:	Date: 01/01/1970
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Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
22	R Repair / Maintain	Low	£99
24	R Repair / Maintain	Low	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: CALLY BRIDGE

Ref No: NN061

General Inspection CSS		Inspector: Redacted	Form 1 of 3 for this structure	
Bridge Name: CALLY BRIDGE			Date: 07/09/2023	
Bridge Ref/No: NN061		Span Width: 4.77 m		Map Ref: 318167,841376
BCI Span Number: 1/3	BCI Span Total	Length of Span: 12.17 m		Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface
Span description:			Primary Deck Material: E Steel	
All above ground elements inspected:		Photographs:		Secondary Deck Form: 36 Other - Transverse Beams
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: E Steel	

Condition Indicator and Scores							
Average Score for structure				Span Score			
BCI av		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	3	C	1.1	4	L	99		Some areas of rust around the bridge seat.
	2	Secondary Deck Element/S - Transverse Beams	2	C	1.1	4	L	99		Remove rust and treat.
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	3.1	?	?	0		
	10	Spandrel Wall/Head Wall								
	11	Pier/Column	2	C	3.5	I	L	99		Small cracks on the upstream extent near the top.
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements								
	20	Painting: Substructure Elements								
	21	Painting: Parapets/Safety Fences								

Safety Elements	22	Access/Walkways/Gantries	1	A	9.1	?	?	0		Timber structure built on the deck of old rail bridge.
	23	Handrail/Parapets/Safety Fences	1	A	16.2	?	?	0		Reasonably new.
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	1	A	9.1	?	?	0		Reasonably new timber surface.

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								
	32	Retaining Walls								
	33	Embankments								
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CALLY BRIDGE**

Ref No: **NN061**

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									

<i>Multiple Defects</i>											
No multiple defects recorded											

<i>Inspector's Comments</i>											
Name: Redacted				Signed:				Date: 07/09/2023			

<i>Engineer's Comments</i>											
Name:				Signed:				Date: 01/01/1970			

<i>Work Required</i>											
Reference No.	Suggested Remedial Work		Priority	Estimated Cost							
2	4 Remedy Corrosion		Low	£99							
1	4 Remedy Corrosion		Low	£99							
11	To be investigated		Low	£99							

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CALLY BRIDGE**

Ref No: **NN061**

General Inspection CSS		Inspector: Redacted	Form 2 of 3 for this structure	
Bridge Name: CALLY BRIDGE			Date: 07/09/2023	
Bridge Ref/No: NN061		Span Width: 4.77 m	Map Ref: 318167,841376	
BCI Span Number: 2/3	BCI Span Total	Length of Span: 15.56 m	Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface	
Span description:			Primary Deck Material: E Steel	
All above ground elements inspected:		Photographs:	Secondary Deck Form: 36 Other - Transverse Beams	
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: E Steel	

Condition Indicator and Scores							
Average Score for structure				Span Score			
BCI av		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	C	1.1	5	L	99		Steel in need of painting. Access Difficult.
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)								
	10	Spandrel Wall/Head Wall								
	11	Pier/Column	2	C	3.5	I	L	99		Minor cracks at the top of the western pier.
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								
Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements								
	20	Painting: Substructure Elements								
Safety Elements	22	Access/Walkways/Gantries	1	A	9.1	?	?	0		Reasonably new timber structure.
	23	Handrail/Parapets/Safety Fences	1	A	16.2	?	?	0		
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	1	A	9.1	?	?	0		Reasonably new timber structure.
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								
	32	Retaining Walls								
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CALLY BRIDGE**

Ref No: **NN061**

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

No multiple defects recorded

Inspector's Comments

Name: Redacted

Signed:

Date: 07/09/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
1	5 Paint Structural Steel	Low	£99
11	To be investigated	Low	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CALLY BRIDGE**

Ref No: **NN061**

General Inspection CSS		Inspector: Redacted	Form 3 of 3 for this structure	
Bridge Name: CALLY BRIDGE			Date: 07/09/2023	
Bridge Ref/No: NN061		Span Width: 4.77 m	Map Ref: 318167,841376	
BCI Span Number: 3/3	BCI Span Total	Length of Span: 12.36 m	Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface	
Span description:			Primary Deck Material: E Steel	
All above ground elements inspected:		Photographs:	Secondary Deck Form: 36 Other - Transverse Beams	
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: E Steel	

Condition Indicator and Scores							
Average Score for structure				Span Score			
BCI av		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	C	1.1	5	L	99		Area around abutment in need of treatment. Paint has flaked away due to rust.
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	3.1	?	?	0		
	10	Spandrel Wall/Head Wall								
	11	Pier/Column	1	A	3.1	?	?	0		
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements								
	20	Painting: Substructure Elements								
	21	Painting: Parapets/Safety Fences								

Safety Elements	22	Access/Walkways/Gantries	1	A	9.1	?	?	0		Reasonably new timber surface.
	23	Handrail/Parapets/Safety Fences	4	B	16.4	RM	M	99		6 screws missing from the upstream handrail. Some of the posts in need of tightening. Excess movement.
	24	Carriageway Surfacing								
	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								
	32	Retaining Walls								
	33	Embankments								
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CALLY BRIDGE**

Ref No: **NN061**

Ancillary Elements	35	Approach Rails/Barriers/Walls	5	B	16.4	RM	L	99		Top rung screws snapped. Replace with larger diameter screws.
	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

No multiple defects recorded

Inspector's Comments

Name: Redacted	Signed:	Date: 07/09/2023
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Engineer's Comments

Name:	Signed:	Date: 01/01/1970
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Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
1	5 Paint Structural Steel	Low	£99
23	R Repair / Maintain	Medium	£99
35	R Repair / Maintain	Low	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: UPSTREAM OF KNOCKANDO FISHING HUT

Ref No: NN177

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: UPSTREAM OF KNOCKANDO FISHING HUT			Date: 07/09/2023	
Bridge Ref/No: NN177		Span Width: 3.60 m		Map Ref: 318072,840887
BCI Span Number: 1	BCI Span Total	Length of Span: 4.32 m		Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface
Span description:				Primary Deck Material: N Timber
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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	1	A	16.2	?	?	0		Brand new.
	2	Secondary Deck Element/S - Transverse Beams	2	E	1.1	P	L	99		Rust clearly visible along the length of each beam.
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	3.1	?	?	0		
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	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	1	A	16.2	?	?	0		Brand new.
	24	Carriageway Surfacing	1	A	9.1	?	?	0		Brand new
	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	1	A	3.1	?	?	0		
	32	Retaining Walls								
	33	Embankments								
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: UPSTREAM OF KNOCKANDO FISHING HUT

Ref No: NN177

Ancillary Elements	35	Approach Rails/Barriers/Walls	1	A	16.2	?	?	0		Brand new.
	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

No multiple defects recorded

Inspector's Comments

Name: Redacted

Signed:

Date: 07/09/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

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Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: DELNAPOT OVERBRIDGE

Ref No: NN084

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: DELNAPOT OVERBRIDGE			Date: 30/11/2023	
Bridge Ref/No: NN084		Span Width: 5.40 m		Map Ref: 317034,837099
BCI Span Number: 1	BCI Span Total	Length of Span: 4.50 m		Primary Deck Form: 01 Arch - Solid Spandrel
Span description:				Primary Deck Material: K Masonry - Brick
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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	3	C	3.6	RMB	M	99	✓	8 areas of missing brick. Single block missing in each.
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	2	C	3.2	RM	L	99		
	10	Spandrel Wall/Head Wall	3	C	5.1	RVP	H	99		Remove tree from spandrel wall.
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing	4	E	14.2	RM	M	99		Stalactites, moss and running water throughout structure.
	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	4	D	5.1	RV	M	99		Trees growing on the bridge surface against the parapet.
	24	Carriageway Surfacing	4	E	5.1	RM	H	99		Thick, wet dirt with vegetation and trees growing.
	25	Footway/Verge/Footbridge Surfacing								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **DELNAPOT OVERBRIDGE**

Ref No: **NN084**

Other Bridge Elements	26	Invert/River Bed	1	A	7.2	?	?	0		
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls	1	A	3.2	?	?	0		
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0		
	34	Machinery								

Ancillary Elements	35	Approach Rails/Barriers/Walls	3	E	16.1	RM	L	99		Replace damaged timber fence.
	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
1	1	3	D	3.4	RM	M	£99	Crack along the voussoir, bricks missing along the length of the crack.

Inspector's Comments

Name: Redacted

Signed:

Date: 30/11/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
17	R Repair / Maintain	Medium	£99
1	R Repair / Maintain	Medium	£99
1	REPLACE MISSING BRICKS/STONES & POINT	Medium	£99
23	REMOVE VEGETATION	Medium	£99
24	R Repair / Maintain	High	£99
35	R Repair / Maintain	Low	£99
9	R Repair / Maintain	Low	£99
10	REMOVE VEGETATION AND POINT	High	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: **AYEON BURN**

Ref No: **NN028**

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: AYEON BURN			Date: 30/11/2023	
Bridge Ref/No: NN028		Span Width: 0.90 m		Map Ref: 316386,836649
BCI Span Number: 1	BCI Span Total	Length of Span: 1.90 m		Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface
Span description:				Primary Deck Material: N Timber
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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	1	A	16.2	?	?	0		
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	1.1	?	?	0		Gabion baskets in good condition.
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	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								
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	1	A	9.1	?	?	0		

Other Bridge Elements	26	Invert/River Bed	1	A	7.1	?	?	0		
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0		
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **AYEON BURN**

Ref No: **NN028**

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
No multiple defects recorded

Inspector's Comments		
Name: Redacted	Signed:	Date: 30/11/2023

Engineer's Comments		
Name:	Signed:	Date: 01/01/1970

Work Required

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: CRAGGANMORE RAILWAY

Ref No: NN066

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: CRAGGANMORE RAILWAY			Date: 02/06/2023	
Bridge Ref/No: NN066		Span Width: 3.40 m		Map Ref: 316273,836693
BCI Span Number: 1	BCI Span Total	Length of Span: 2.90 m		Primary Deck Form: S2 Spanning Carriageway: Beam
Span description:				Primary Deck Material: N Timber
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	83.02	BCS av	1.90		BCI av	83.02	BCS av	1.90	
BCI crit	39.52	BCS crit			BCI crit	39.52	BCS crit	3.70	

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	1	A	16.2	?	L	99		Steel I beams in reasonable condition, but rusted.
	2	Secondary Deck Element/S - Transverse Beams	3	E	1.1	SBP	L	99		Steel in reasonable condition. Requires rust removal and paint.
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	2	C	3.2	P	L	99		Western abutment has some mortar loss at mid span and mid height.
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	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	1	A	16.2	?	?	0		
	24	Carriageway Surfacing	2	D	9.1	RM	M	99		Kerbs to the Northern extent has rotten away. Non-functional.
	25	Footway/Verge/Footbridge Surfacing								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **CRAGGANMORE RAILWAY**

Ref No: **NN066**

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								
	32	Retaining Walls	2	D	3.7	RM	L	99		Coping stones on the wing walls have been displaced and some cracks in all 4 walls.
	33	Embankments								
	34	Machinery								

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

No multiple defects recorded

Inspector's Comments

Wing walls and kerb need to be repaired in the future. No immediate risk.

Name: Redacted

Signed:

Date: 02/06/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
2	SHOT BLAST AND PAINT	Low	£99
24	R Repair / Maintain	Medium	£99
32	R Repair / Maintain	Low	£99
9	POINT	Low	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: FINDOCHTY CASTLE

Ref No: NN097

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: FINDOCHTY CASTLE			Date: 13/06/2023	
Bridge Ref/No: NN097		Span Width: 2.66 m		Map Ref: 345622,867188
BCI Span Number: 1/1	BCI Span Total	Length of Span: 3.60 m		Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface
Span description:				Primary Deck Material: E Steel
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	75.85	BCS av	2.24	BCI av	75.85	BCS av	2.24		
BCI crit	0.00	BCS crit		BCI crit	0.00	BCS crit	5.00		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	1	A	1.1	?	?	0		
	2	Secondary Deck Element/S - Transverse Beams								
	3	Secondary Deck Element/S - Element From Table 3	5	D	13.1	R	H	15000		Changed from footway surfacing, unable to score timber here
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing								

Load Bearing Sub Structure	8	Foundations	1	A	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	2	B	3.5	N	?	0	✓	
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf	1	A	3.1	?	?	0		

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	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	2	C	16.4	RM	M	99		SE side is loose and leaning into the footpath.
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	5	D	13.1	R	H	99		Timber deck elements have rot and fire damage. Urgently in need of limited access until repairs are completed. Centre 2 boards are effected. Surface sinks significantly when stepped on, only resistance comes from grip tape/felt anti-slip surface.

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **FINDOCHTY CASTLE**

Ref No: **NN097**

Other Bridge Elements	26	Invert/River Bed	2	E	7.2	N	?	0		Long grass and brambles present
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls	2	C	3.6	RM	L	99		SE copings are loose and displaced.
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0		
34	Machinery									

Ancillary Elements	35	Approach Rails/Barriers/Walls								
	36	Signs								
	37	Lighting								
	38	Services	1	A	1.1	I	L	99		Strong odour from w side.

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
9	1	2	C	3.2	N	?	£0	

Inspector's Comments

KM changed footway surfacing to secondary deck element

Name: Redacted

Signed:

Date: 13/06/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
31	R Repair / Maintain	Low	£99
3	TO BE REPLACED	High	£15,000
23	R Repair / Maintain	Medium	£99
25	TO BE REPLACED	High	£99
26	N No Action Monitor Only	?	£0
9	N No Action Monitor Only	?	£0
9	N No Action Monitor Only	?	£0
38	To be investigated	Low	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **FINDOCHTY CASTLE**

Ref No: **NN097**

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: FINDOCHTY CASTLE			Date: 13/07/2023	
Bridge Ref/No: NN097		Span Width: 2.66 m	Map Ref: 345622,867188	
BCI Span Number: 1/1	BCI Span Total	Length of Span: 3.60 m	Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface	
Span description:			Primary Deck Material: E Steel	
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	0.00	BCS av	5.00	BCI av	0.00	BCS av	5.00		
BCI crit	0.00	BCS crit		BCI crit	0.00	BCS crit	5.00		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)								
	2	Secondary Deck Element/S - Transverse Beams								
	3	Secondary Deck Element/S - Element From Table 3	5	D	13.1	R	H	15000		Unable to score Timber. Engineer change from scoring under footway surfacing to secondary deck element to take into account it being a critical functioning element of the structure.
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing								

Load Bearing Sub Structure	8	Foundations								
	9	Abutments (Incl. Arch Springing)								
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	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								
	24	Carriageway Surfacing								
	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								
	32	Retaining Walls								
	33	Embankments								
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **FINDOCHTY CASTLE**

Ref No: **NN097**

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								

<i>Multiple Defects</i>										
No multiple defects recorded										

<i>Inspector's Comments</i>										
Updated by KM 13.07.23 change from footway surfacing to secondary deck element as timber boards rotted.										
Name: Redacted				Signed:				Date: 13/07/2023		

<i>Engineer's Comments</i>										
Name:				Signed:				Date: 01/01/1970		

<i>Work Required</i>											
Reference No.	Suggested Remedial Work	Priority	Estimated Cost								
3	TO BE REPLACED	High	£15,000								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: HIGHLAND DISTILLERY BRIDGE 2

Ref No: NN119

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: HIGHLAND DISTILLERY BRIDGE 2			Date: 04/07/2023	
Bridge Ref/No: NN119		Span Width: 2.20 m		Map Ref: 327433,849083
BCI Span Number: 1	BCI Span Total	Length of Span: 12.10 m		Primary Deck Form: 05 Beam / Girder - Box Beams
Span description:				Primary Deck Material: E Steel
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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	6	F	0.0	?	?	0		Item is under water.
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	6	F	0.0	?	?	0		Item under water.
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
14	Bearing Plinth/Shelf									

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	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	5	D	16.2	R	H	99		Upstream fence collapsing. Footbridge is on a busy walking route leading to the castle.
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	4	D	9.1	R	M	99		Plywood deck cover has delamination and rot.

Other Bridge Elements	26	Invert/River Bed	6	F	0.0	?	?	0		Water is to deep and dark to investigate at present.
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0		
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: HIGHLAND DISTILLERY BRIDGE 2

Ref No: NN119

Ancillary Elements	35	Approach Rails/Barriers/Walls	2	C	16.1	RM	L	99		Timber fence has areas of decay.
	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

No multiple defects recorded

Inspector's Comments

Name: Redacted

Signed:

Date: 04/07/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
23	TO BE REPLACED	High	£99
25	TO BE REPLACED	Medium	£99
35	R Repair / Maintain	Low	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: BETWEEN US KNOCKANDO FISH HUT & OPP KNOCK FISH HUT

Ref No: NN038

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: BETWEEN US KNOCKANDO FISH HUT & OPP KNOCK FISH HUT			Date: 07/09/2023	
Bridge Ref/No: NN038		Span Width: 3.70 m	Map Ref: 318073,841158	
BCI Span Number: 1/1	BCI Span Total	Length of Span: 1.10 m	Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface	
Span description:			Primary Deck Material: N Timber	
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		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	1	A	1.1	?	?	0		New
	2	Secondary Deck Element/S - Transverse Beams								
	3	Secondary Deck Element/S - Element From Table 3								
	4	Half Joints								
	5	Tie Beam/Rods	2	B	1.1	N	?	0		
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing								

Load Bearing Sub Structure	8	Foundations	1	A	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	3.1	?	?	0		
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	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	1	A	16.2	?	?	0		New
	24	Carriageway Surfacing	1	A	9.1	?	?	0		New
	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	1	A	3.1	?	?	0		
	32	Retaining Walls								
	33	Embankments								
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: BETWEEN US KNOCKANDO FISH HUT & OPP KNOCK FISH HUT

Ref No: NN038

Ancillary Elements	35	Approach Rails/Barriers/Walls	1	A	16.2	?	?	0		New
	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

No multiple defects recorded

Inspector's Comments

Name: Redacted

Signed:

Date: 07/09/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
5	N No Action Monitor Only	?	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: BREWERY FOOTBRIDGE

Ref No: NN041

General Inspection CSS		Inspector: will.burnish	Form 1 of 1 for this structure	
Bridge Name: BREWERY FOOTBRIDGE			Date: 30/03/2023	
Bridge Ref/No: NN041		Span Width: 3.10 m		Map Ref: 322311,863118
BCI Span Number: 1	BCI Span Total	Length of Span: 27.00 m		Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface
Span description:				Primary Deck Material: E Steel
All above ground elements inspected:			Photographs:	Secondary Deck Form: 36 Other - Transverse Beams
Number of construction forms in Bridge/Span: 2				Secondary Deck Material: E Steel

Condition Indicator and Scores							
Average Score for structure				Span Score			
BCI av		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	E	1.1	N	?	0		Element has a rust patina finish
	2	Secondary Deck Element/S - Transverse Beams	2	E	1.2	N	?	0		Rust and scale peeling from element
	3	Secondary Deck Element/S - Element From Table 3								
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing	2	D	1.2	N	?	0	✓	

Load Bearing Sub Structure	8	Foundations	1	A	6.6	?	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	2.1	?	?	0		
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings	1	A	12.1	N	?	0		minor surface rust
	14	Bearing Plinth/Shelf	1	A	2.1	?	?	0		

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	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								
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	2	E	9.1	N	?	0		2 boards also have minor cracking.

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								
	32	Retaining Walls								
	33	Embankments								
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **BREWERY FOOTBRIDGE**

Ref No: **NN041**

Ancillary Elements	35	Approach Rails/Barriers/Walls	3	C	4.1	N	?	0		
	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
7	1	4	B	1.3	R	H	£0	2 bolts partially removed and 1 missing on the eastern side of the bridge above the abutment and the first beam in.

Inspector's Comments

Name: will.burnish	Signed:	Date: 30/03/2023
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Engineer's Comments

Name:	Signed:	Date: 01/01/1970
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Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
13	N No Action Monitor Only	?	£0
2	N No Action Monitor Only	?	£0
1	N No Action Monitor Only	?	£0
25	N No Action Monitor Only	?	£0
35	N No Action Monitor Only	?	£0
7	N No Action Monitor Only	?	£0
7	TO BE REPLACED	High	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

**Name: NORTH OF UPSTREAM OF KNOCKANDO FISHING HUT AND OPP
KNOCKANDO FISH HUT**

Ref No: NN149

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: NORTH OF UPSTREAM OF KNOCKANDO FISHING HUT AND OPP KNOCKANDO FISH HUT			Date: 07/09/2023	
Bridge Ref/No: NN149		Span Width: 2.00 m	Map Ref: 318067,841065	
BCI Span Number: 1	BCI Span Total	Length of Span: 3.00 m	Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface	
Span description:			Primary Deck Material: E Steel	
All above ground elements inspected:		Photographs:	Secondary Deck Form: 26 Other - No Transverse Beams	
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: N Timber	

Condition Indicator and Scores								
Average Score for structure					Span Score			
BCI av	-999.00	BCS av	-999.00	BCI av	-999.00	BCS av	-999.00	
BCI crit	NA	BCS crit	NA-999.0	BCI crit	NA	BCS crit	NA	

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)								
	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								
	9	Abutments (Incl. Arch Springing)								
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								
Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements								
	20	Painting: Substructure Elements								
Safety Elements	21	Painting: Parapets/Safety Fences								
	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences								
	24	Carriageway Surfacing								
Other Bridge Elements	25	Footway/Verge/Footbridge Surfacing								
	26	Invert/River Bed								
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
33	Embankments									
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: NORTH OF UPSTREAM OF KNOCKANDO FISHING HUT AND OPP

Ref No: NN149

KNOCKANDO FISH HUT

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
No multiple defects recorded

Inspector's Comments			
<p>New bridge constructed over existing abutments. Stonework has been freshly pointed, new galvanised steel beams and timber deck at surface level. Timber appears to be pressure treated.</p>			
<table border="1" style="width: 100%;"> <tr> <td>Name: Redacted</td> <td>Signed:</td> <td>Date: 07/09/2023</td> </tr> </table>	Name: Redacted	Signed:	Date: 07/09/2023
Name: Redacted	Signed:	Date: 07/09/2023	

Engineer's Comments			
<table border="1" style="width: 100%;"> <tr> <td>Name:</td> <td>Signed:</td> <td>Date: 01/01/1970</td> </tr> </table>	Name:	Signed:	Date: 01/01/1970
Name:	Signed:	Date: 01/01/1970	

Work Required

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: DALLACHY BRIDGE

Ref No: NN080

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: DALLACHY BRIDGE			Date: 06/12/2023	
Bridge Ref/No: NN080		Span Width: 7.80 m		Map Ref: 337211,864140
BCI Span Number: 1	BCI Span Total	Length of Span: 4.90 m		Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface
Span description:				Primary Deck Material: F Cast Iron
All above ground elements inspected:			Photographs:	Secondary Deck Form: 33 Jack Arch - Transverse Beams
Number of construction forms in Bridge/Span: 1				Secondary Deck Material: K Masonry - Brick

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av	67.95	BCS av	2.59		BCI av	67.95	BCS av	2.59	
BCI crit	39.52	BCS crit			BCI crit	39.52	BCS crit	3.70	

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	3	E	1.1	N	?	0		Old, cast iron bridge, now used as a footbridge.
	2	Secondary Deck Element/S - Transverse Beams								
	3	Secondary Deck Element/S - Element From Table 3	1	A	3.2	?	?	0		
	4	Half Joints								
	5	Tie Beam/Rods	3	E	1.2	N	?	0		Tie rods have deep flaking rust at the point of tie in.
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing								
Load Bearing Sub Structure	8	Foundations	1	A	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	2	C	3.2	P	L	99		Eastern extent has some mortar loss
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								
Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing	2	C	14.1	N	?	0		Very minor water staining.
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements	5	E	4.1	N	?	0		
	20	Painting: Substructure Elements								
Safety Elements	21	Painting: Parapets/Safety Fences	5	E	4.1	N	?	0		
	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	3	E	1.1	N	?	0		
	24	Carriageway Surfacing	6	F	0.0	?	?	0		Currently covered in dirt and ice.
Other Bridge Elements	25	Footway/Verge/Footbridge Surfacing								
	26	Invert/River Bed	1	A	7.2	?	?	0		
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls	2	C	3.2	P	L	99		Pointing in need of repair.
	32	Retaining Walls								
33	Embankments	1	A	11.1	?	?	0			
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **DALLACHY BRIDGE**

Ref No: **NN080**

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

No multiple defects recorded

Inspector's Comments

Railway bridge, tracks removed. Cast iron beams with no protective coatings. Abutments have areas of mortar loss. Western extent of invert has been blocked with dirt.

Name: Redacted Signed: Date: 06/12/2023

Engineer's Comments

Name: Signed: Date: 01/01/1970

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
31	POINT	Low	£99
5	N No Action Monitor Only	?	£0
17	N No Action Monitor Only	?	£0
1	N No Action Monitor Only	?	£0
19	N No Action Monitor Only	?	£0
21	N No Action Monitor Only	?	£0
23	N No Action Monitor Only	?	£0
9	POINT	Low	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: BURN OF TYNET

Ref No: NN053

General Inspection CSS		Inspector: Redacted	Form 1 of 1 for this structure	
Bridge Name: BURN OF TYNET			Date: 06/12/2023	
Bridge Ref/No: NN053		Span Width: 1.20 m		Map Ref: 338088,864125
BCI Span Number: 1	BCI Span Total	Length of Span: 10.20 m		Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface
Span description:				Primary Deck Material: E Steel
All above ground elements inspected:			Photographs:	Secondary Deck Form: 26 Other - No Transverse Beams
Number of construction forms in Bridge/Span: 1				Secondary Deck Material: N Timber

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av	77.75	BCS av	2.15	BCI av	77.75	BCS av	2.15		
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)	1	A	1.1	?	?	0	✓	
	2	Secondary Deck Element/S - Transverse Beams								
	3	Secondary Deck Element/S - Element From Table 3	3	C	16.2	RM	M	99	✓	2 boards in need of replacing due to rot.
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing								

Load Bearing Sub Structure	8	Foundations	1	A	6.1	?	?	0	✓	
	9	Abutments (Incl. Arch Springing)	3	D	3.2	P	L	99	✓	Old railway abutments.
	10	Spandrel Wall/Head Wall								
	11	Pier/Column	2	C	3.2	P	L	99	✓	
	12	Cross-head/Capping Beam								
	13	Bearings								
14	Bearing Plinth/Shelf									

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	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	E	1.3	R	M	99	✓	Replace all handrail bolts.
	24	Carriageway Surfacing	3	C	9.5	R	H	99	✓	Replace damaged chicken wire.
	25	Footway/Verge/Footbridge Surfacing								

Other Bridge Elements	26	Invert/River Bed	1	A	7.1	?	?	0	✓	
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works	2	C	3.2	P	L	99	✓	Pointing poor
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0	✓	
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **BURN OF TYNET**

Ref No: **NN053**

Ancillary Elements	35	Approach Rails/Barriers/Walls	1	A	16.2	?	?	0	✓
	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
1	1	1	A	1.1	?	?	£0	
3	2	3	C	16.2	R	M	£99	2 boards have moderate depth of rot
8	3	1	A	6.1	?	?	£0	
9	4	2	D	3.2	P	L	£99	Minor pointing loss
11	5	2	C	3.2	P	L	£99	
23	6	1	A	16.2	?	?	£0	
23	7	3	E	1.3	R	H	£99	Replace connecting bolts
24	8	3	D	9.5	RM	M	£99	Chicken wire used for anti-slip has worn away.
26	9	2	E	7.2	N	?	£0	
29	10	2	C	3.2	RM	L	£99	Poor pointing
33	11	1	A	11.1	?	?	£0	
35	12	3	C	16.2	R	M	£99	Replace decayed posts

Inspector's Comments

2 boards have rot recommend replacing.

Name: Redacted Signed: Date: 06/12/2023

Engineer's Comments

Name: Signed: Date: 01/01/1970

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: BURN OF TYNET

Ref No: NN053

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
3	TO BE REPLACED	Medium	£99
23	TO BE REPLACED	High	£99
24	TO BE REPLACED	High	£99
26	N No Action Monitor Only	?	£0
29	POINT	Low	£99
35	TO BE REPLACED	Medium	£99
9	POINT	Low	£99
9	POINT	Low	£99
11	POINT	Low	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: BARMUCKITY CYCLEWAY BRIDGE

Ref No: NN035

General Inspection CSS		Inspector: ?	Form 1 of 1 for this structure	
Bridge Name: BARMUCKITY CYCLEWAY BRIDGE			Date: 08/03/2023	
Bridge Ref/No: NN035		Span Width: 4.15 m		Map Ref: 324611,862159
BCI Span Number: 1	BCI Span Total	Length of Span: 23.00 m		Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface
Span description:				Primary Deck Material: E Steel
All above ground elements inspected:			Photographs:	Secondary Deck Form: 24 Slab - No Transverse Beams
Number of construction forms in Bridge/Span: 1				Secondary Deck Material: Rb Reinforced Concrete

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av	93.21	BCS av	1.38	BCI av	93.21	BCS av	1.38		
BCI crit	81.00	BCS crit		BCI crit	81.00	BCS crit	2.00		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	2	B	1.1	N	?	0		
	2	Secondary Deck Element/S - Transverse Beams								
	3	Secondary Deck Element/S - Element From Table 3	1	A	2.1	?	?	0		
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing								

Load Bearing Sub Structure	8	Foundations								
	9	Abutments (Incl. Arch Springing)	1	A	3.1	?	?	0		
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings	1	A	12.1	?	?	0		
	14	Bearing Plinth/Shelf	1	A	3.1	?	?	0		

Durability Elements	15	Superstructure Drainage	1	A	8.1	?	?	0		
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements	4	B	4.1	P	?	0		Graffiti present. Corrosion around gusset plates requires treatment
	20	Painting: Substructure Elements								
	21	Painting: Parapets/Safety Fences	1	A	4.1	?	?	0		

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	1	A	1.1	?	?	0		
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	2	C	9.1	N	?	0		

Other Bridge Elements	26	Invert/River Bed	2	B	7.1	N	L	99		Erosion likely caused by footfall.
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0		
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **BARMUCKITY CYCLEWAY BRIDGE**

Ref No: **NN035**

Ancillary Elements	35	Approach Rails/Barriers/Walls	1	A	1.1	?	?	0		
	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

No multiple defects recorded

Inspector's Comments

Name: ?

Signed:

Date: 08/03/2023

Engineer's Comments

Name:

Signed:

Date:

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
1	N No Action Monitor Only	?	£0
25	N No Action Monitor Only	?	£0
26	N No Action Monitor Only	Low	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: OLDMILLS CYCLEWAY BRIDGE

Ref No: NN159

General Inspection CSS		Inspector: ?	Form 1 of 1 for this structure	
Bridge Name: OLDMILLS CYCLEWAY BRIDGE			Date: 27/02/2023	
Bridge Ref/No: NN159		Span Width: 3.70 m		Map Ref: 320769,862790
BCI Span Number: 1	BCI Span Total	Length of Span: 18.00 m		Primary Deck Form: 08 Truss - At / Below Deck Surfacing
Span description:				Primary Deck Material: E Steel
All above ground elements inspected:			Photographs:	Secondary Deck Form: 36 Other - Transverse Beams
Number of construction forms in Bridge/Span: 1				Secondary Deck Material: E Steel

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av	96.34	BCS av	1.21		BCI av	96.34	BCS av	1.21	
BCI crit	100.00	BCS crit			BCI crit	100.00	BCS crit	1.00	

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	1	A	1.1	?	?	0		
	2	Secondary Deck Element/S - Transverse Beams	1	A	1.1	?	?	0		
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	3.1	?	?	0		
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam	1	A	1.1	?	?	0		
	13	Bearings	1	A	12.1	?	?	0		
	14	Bearing Plinth/Shelf	1	A	3.1	?	?	0		

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints	1	A	10.5	?	?	0		
	19	Painting: Deck Elements	1	A	4.1	?	?	0		
	20	Painting: Substructure Elements								
	21	Painting: Parapets/Safety Fences	3	B	4.1	P	L	99		Chipped paint and signs of light corrosion.

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	2	B	1.1	P	L	99		Minor paint chipping and signs of corrosion.
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	1	A	9.1	?	?	0		

Other Bridge Elements	26	Invert/River Bed	2	B	7.1	?	?	0		
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works	2	B	7.1	?	?	0		
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0		
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: OLDMILLS CYCLEWAY BRIDGE

Ref No: NN159

Ancillary Elements	35	Approach Rails/Barriers/Walls	1	A	1.1	?	?	0		
	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

No multiple defects recorded

Inspector's Comments

Name: ?

Signed:

Date: 27/02/2023

Engineer's Comments

Name:

Signed:

Date:

Work Required

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Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: OLDMILLS CYCLEWAY BRIDGE

Ref No: NN159

General Inspection CSS		Inspector: ?	Form 1 of 1 for this structure	
Bridge Name: OLDMILLS CYCLEWAY BRIDGE			Date: 09/03/2023	
Bridge Ref/No: NN159		Span Width: 3.70 m	Map Ref: 320769,862790	
BCI Span Number: 1	BCI Span Total	Length of Span: 18.00 m	Primary Deck Form: 08 Truss - At / Below Deck Surfacing	
Span description:			Primary Deck Material: E Steel	
All above ground elements inspected:		Photographs:	Secondary Deck Form: 36 Other - Transverse Beams	
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: E Steel	

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av	98.87	BCS av	1.07		BCI av	98.87	BCS av	1.07	
BCI crit	100.00	BCS crit			BCI crit	100.00	BCS crit	1.00	

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	1	A	1.1	?	?	0		
	2	Secondary Deck Element/S - Transverse Beams	1	A	1.1	?	?	0		
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	3.1	?	?	0		
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam	1	A	1.1	?	?	0		
	13	Bearings	1	A	12.1	?	?	0		
	14	Bearing Plinth/Shelf	1	A	3.1	?	?	0		
Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints	6	F	0.0	?	?	0		Thick snow prevented inspections
	19	Painting: Deck Elements	1	A	4.1	?	?	0		
	20	Painting: Substructure Elements								
Safety Elements	21	Painting: Parapets/Safety Fences	1	A	4.1	?	?	0		
	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	1	A	1.1	?	?	0		
	24	Carriageway Surfacing								
Other Bridge Elements	25	Footway/Verge/Footbridge Surfacing	1	A	9.1	?	?	0		
	26	Invert/River Bed	2	B	7.1	?	?	0		
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works	2	B	7.1	?	?	0		
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0		
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: OLDMILLS CYCLEWAY BRIDGE

Ref No: NN159

Ancillary Elements	35	Approach Rails/Barriers/Walls	1	A	1.1	?	?	0		
	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

No multiple defects recorded

Inspector's Comments

Name: ?

Signed:

Date: 09/03/2023

Engineer's Comments

Name:

Signed:

Date:

Work Required

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Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **OLDMILLS CYCLEWAY BRIDGE**

Ref No: **NN159**

General Inspection CSS		Inspector: will.burnish	Form 1 of 1 for this structure	
Bridge Name: OLDMILLS CYCLEWAY BRIDGE			Date: 04/04/2023	
Bridge Ref/No: NN159		Span Width: 3.70 m	Map Ref: 320769,862790	
BCI Span Number: 1	BCI Span Total	Length of Span: 18.00 m	Primary Deck Form: 08 Truss - At / Below Deck Surfacing	
Span description:			Primary Deck Material: E Steel	
All above ground elements inspected:		Photographs:	Secondary Deck Form: 36 Other - Transverse Beams	
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: E Steel	

Condition Indicator and Scores							
Average Score for structure				Span Score			
BCI av		BCS av		BCI av		BCS av	
BCI crit	NA	BCS crit	NA	BCI crit	NA	BCS crit	NA

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	1	A	1.1	N	?	0		
	2	Secondary Deck Element/S - Transverse Beams	1	A	1.1	N	?	0		
	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	6.1	N	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	2.1	N	?	0		
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings	1	A	12.1	N	?	0		
	14	Bearing Plinth/Shelf								

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements	2	E	4.1	N	?	0		
	20	Painting: Substructure Elements								
	21	Painting: Parapets/Safety Fences	2	E	4.1	N	?	0		✓

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	1	A	1.1	N	?	0		
	24	Carriageway Surfacing	1	A	9.1	N	?	0		Grass has started to grow at the end of the deck
	25	Footway/Verge/Footbridge Surfacing								

Other Bridge Elements	26	Invert/River Bed								
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works	2	B	11.1	N	?	0		Downstream of bridge on the Elgin side has a small area of slip/erosion.
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments								
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: OLDMILLS CYCLEWAY BRIDGE

Ref No: NN159

Ancillary Elements	35	Approach Rails/Barriers/Walls	5	D	13.1	R	L	0		Elgin side of the bridge has lost its timber approach barriers
	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
21	1	3	C	4.1	N	?	£0	Scratches in the top coat caused by vandalism.

Inspector's Comments

Name: will.burnish	Signed:	Date: 04/04/2023
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Engineer's Comments

Name:	Signed:	Date: 01/01/1970
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Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
8	N No Action Monitor Only	?	£0
13	N No Action Monitor Only	?	£0
2	N No Action Monitor Only	?	£0
1	N No Action Monitor Only	?	£0
19	N No Action Monitor Only	?	£0
21	N No Action Monitor Only	?	£0
21	N No Action Monitor Only	?	£0
23	N No Action Monitor Only	?	£0
24	N No Action Monitor Only	?	£0
29	N No Action Monitor Only	?	£0
35	TO BE REPLACED	Low	£0
9	N No Action Monitor Only	?	£0

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Inspections from 01/01/2023 to 31/12/2023 00:00:00

Name: Chapleton Dam Footbridge

Ref No: NN186

General Inspection CSS		Inspector: Redacted	Form 1 of 3 for this structure	
Bridge Name: Chapleton Dam Footbridge			Date: 20/11/2023	
Bridge Ref/No: NN186		Span Width: 1.20 m		Map Ref: 304706,857842
BCI Span Number: 3	BCI Span Total	Length of Span: 12.00 m		Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface
Span description:				Primary Deck Material: E Steel
All above ground elements inspected:			Photographs:	Secondary Deck Form: 26 Other - No Transverse Beams
Number of construction forms in Bridge/Span: 1				Secondary Deck Material: N Timber

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av	92.77	BCS av	1.37	BCI av	85.43	BCS av	1.78		
BCI crit	83.31	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)								
	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								
	9	Abutments (Incl. Arch Springing)								
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								
Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements								
	20	Painting: Substructure Elements								
Safety Elements	21	Painting: Parapets/Safety Fences								
	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences								
	24	Carriageway Surfacing								
	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								
	32	Retaining Walls								
	33	Embankments								
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: Chapleton Dam Footbridge

Ref No: NN186

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
No multiple defects recorded

Inspector's Comments		
Name: Redacted	Signed:	Date: 20/11/2023

Engineer's Comments		
Name:	Signed:	Date: 01/01/1970

Work Required

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **Chapleton Dam Footbridge**

Ref No: **NN186**

General Inspection CSS		Inspector: Redacted	Form 2 of 3 for this structure	
Bridge Name: Chapleton Dam Footbridge			Date: 20/11/2023	
Bridge Ref/No: NN186		Span Width: 1.20 m	Map Ref: 304706,857842	
BCI Span Number: 1	BCI Span Total	Length of Span: 10.00 m	Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface	
Span description:			Primary Deck Material: E Steel	
All above ground elements inspected:		Photographs:	Secondary Deck Form: 26 Other - No Transverse Beams	
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: N Timber	

Condition Indicator and Scores							
Average Score for structure				Span Score			
BCI av	92.77	BCS av	1.37	BCI av	97.26	BCS av	1.16
BCI crit	83.31	BCS crit		BCI crit	100.00	BCS crit	1.00

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)								
	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								
	9	Abutments (Incl. Arch Springing)								
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								
Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements								
	20	Painting: Substructure Elements								
Safety Elements	21	Painting: Parapets/Safety Fences								
	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences								
	24	Carriageway Surfacing								
Other Bridge Elements	25	Footway/Verge/Footbridge Surfacing								
	26	Invert/River Bed								
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
33	Embankments									
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: Chapleton Dam Footbridge

Ref No: NN186

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
No multiple defects recorded

Inspector's Comments		
Name: Redacted	Signed:	Date: 20/11/2023

Engineer's Comments		
Name:	Signed:	Date: 01/01/1970

Work Required

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **Chapleton Dam Footbridge**

Ref No: **NN186**

General Inspection CSS		Inspector: Redacted	Form 3 of 3 for this structure	
Bridge Name: Chapleton Dam Footbridge			Date: 20/11/2023	
Bridge Ref/No: NN186		Span Width: 12.00 m		Map Ref: 304706,857842
BCI Span Number: 3	BCI Span Total	Length of Span: 1.00 m		Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface
Span description:			Primary Deck Material: E Steel	
All above ground elements inspected:		Photographs:		Secondary Deck Form: 26 Other - No Transverse Beams
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: N Timber	

Condition Indicator and Scores							
Average Score for structure				Span Score			
BCI av	92.77	BCS av	1.37	BCI av	97.09	BCS av	1.17
BCI crit	83.31	BCS crit		BCI crit	100.00	BCS crit	1.00

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)								
	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								
	9	Abutments (Incl. Arch Springing)								
	10	Spandrel Wall/Head Wall								
	11	Pier/Column								
	12	Cross-head/Capping Beam								
	13	Bearings								
	14	Bearing Plinth/Shelf								
Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements								
	20	Painting: Substructure Elements								
Safety Elements	21	Painting: Parapets/Safety Fences								
	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences								
	24	Carriageway Surfacing								
Other Bridge Elements	25	Footway/Verge/Footbridge Surfacing								
	26	Invert/River Bed								
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
33	Embankments									
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: Chapleton Dam Footbridge

Ref No: NN186

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
No multiple defects recorded

Inspector's Comments		
Name: Redacted	Signed:	Date: 20/11/2023

Engineer's Comments		
Name:	Signed:	Date: 01/01/1970

Work Required

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **Chapleton Dam Footbridge**

Ref No: **NN186**

General Inspection CSS		Inspector: Redacted	Form 3 of 3 for this structure	
Bridge Name: Chapleton Dam Footbridge			Date: 20/11/2023	
Bridge Ref/No: NN186		Span Width: 1.20 m	Map Ref: 304706,857842	
BCI Span Number: 3	BCI Span Total	Length of Span: 12.00 m	Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface	
Span description:			Primary Deck Material: E Steel	
All above ground elements inspected:		Photographs:	Secondary Deck Form: 26 Other - No Transverse Beams	
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: N Timber	

Condition Indicator and Scores							
Average Score for structure				Span Score			
BCI av	92.77	BCS av	1.37	BCI av	85.43	BCS av	1.78
BCI crit	83.31	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	1.3	R	M	99	✓	Bolts from the D-shackles are missing. Shackles are used to secure the bridge in a flood event.
	2	Secondary Deck Element/S - Transverse Beams	2	B	13.1	RM	M	99		Timber deck has a hole where a plank has split and decayed.
	3	Secondary Deck Element/S - Element From Table 3								
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing	1	A	1.1	?	?	0		

Load Bearing Sub Structure	8	Foundations	1	A	2.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	2.1	?	?	0		
	10	Spandrel Wall/Head Wall								
	11	Pier/Column	1	A	2.1	?	?	0		
	12	Cross-head/Capping Beam								
	13	Bearings	1	A	12.3	?	?	0		
	14	Bearing Plinth/Shelf	1	A	2.1	?	?	0		

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	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	2	C	16.2	N	?	0		Minor decay and splitting. still serviceable.
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	5	C	9.1	R	M	99		Deck element has some decay and holes causing potential trip hazard. 2m drop below into shallow, cold water.

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **Chapleton Dam Footbridge**

Ref No: **NN186**

Other Bridge Elements	26	Invert/River Bed	3	C	7.2	RV	M	99		downstream extent partially blocked by fell tree.
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments	1	A	11.1	?	?	0		
	34	Machinery								

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
1	1	1	A	1.1	?	?	£0	

Inspector's Comments

Name: Redacted

Signed:

Date: 20/11/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

Reference No.	Suggested Remedial Work	Priority	Estimated Cost
2	R Repair / Maintain	Medium	£99
1	TO BE REPLACED	Medium	£99
23	N No Action Monitor Only	?	£0
25	TO BE REPLACED	Medium	£99
26	REMOVE VEGETATION	Medium	£99

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: **Chapleton Dam Footbridge**

Ref No: **NN186**

General Inspection CSS		Inspector: Redacted	Form 3 of 3 for this structure	
Bridge Name: Chapleton Dam Footbridge			Date: 20/11/2023	
Bridge Ref/No: NN186		Span Width: 1.20 m	Map Ref: 304706,857842	
BCI Span Number: 1	BCI Span Total	Length of Span: 10.00 m	Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface	
Span description:			Primary Deck Material: E Steel	
All above ground elements inspected:		Photographs:	Secondary Deck Form: 26 Other - No Transverse Beams	
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: N Timber	

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av	92.77	BCS av	1.37	BCI av	97.26	BCS av	1.16		
BCI crit	83.31	BCS crit		BCI crit	100.00	BCS crit	1.00		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	1	A	1.1	?	?	0		
	2	Secondary Deck Element/S - Transverse Beams	1	A	1.1	?	?	0		Timber element. Option not available.
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	2.1	?	?	0		
	10	Spandrel Wall/Head Wall								
	11	Pier/Column	1	A	2.1	?	?	0		
	12	Cross-head/Capping Beam								
	13	Bearings	1	A	12.2	?	?	0		
	14	Bearing Plinth/Shelf	1	A	2.1	?	?	0		
Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements								
	20	Painting: Substructure Elements								
Safety Elements	21	Painting: Parapets/Safety Fences								
	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	2	B	16.2	N	?	0		Minor decay and splitting.
	24	Carriageway Surfacing								
Other Bridge Elements	25	Footway/Verge/Footbridge Surfacing	2	C	9.1	N	?	0		Minor wear.
	26	Invert/River Bed	2	B	7.2	N	?	0		Deadfall from last event under structure.
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
33	Embankments	1	A	11.1	?	?	0			
34	Machinery									

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: Chapleton Dam Footbridge

Ref No: NN186

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											
No multiple defects recorded											

Inspector's Comments											
Name: Redacted				Signed:				Date: 20/11/2023			

Engineer's Comments											
Name:				Signed:				Date: 01/01/1970			

Work Required											
Reference No.	Suggested Remedial Work	Priority	Estimated Cost								
23	N No Action Monitor Only	?	£0								
25	N No Action Monitor Only	?	£0								
26	N No Action Monitor Only	?	£0								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: Chapleton Dam Footbridge

Ref No: NN186

General Inspection CSS		Inspector: Redacted	Form 3 of 3 for this structure	
Bridge Name: Chapleton Dam Footbridge			Date: 20/11/2023	
Bridge Ref/No: NN186		Span Width: 12.00 m		Map Ref: 304706,857842
BCI Span Number: 3	BCI Span Total	Length of Span: 1.00 m		Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface
Span description:			Primary Deck Material: E Steel	
All above ground elements inspected:		Photographs:		Secondary Deck Form: 26 Other - No Transverse Beams
Number of construction forms in Bridge/Span: 1			Secondary Deck Material: N Timber	

Condition Indicator and Scores									
Average Score for structure					Span Score				
BCI av	92.77	BCS av	1.37	BCI av	97.09	BCS av	1.17		
BCI crit	83.31	BCS crit		BCI crit	100.00	BCS crit	1.00		

Set	No	Element Description	S	Ex	Def	W	P	Cost	M	Comments
Deck Elements	1	Primary Deck Element (Table 2)	1	A	1.1	?	?	0		
	2	Secondary Deck Element/S - Transverse Beams	1	A	13.1	?	?	0		Timber element, option not available.
	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	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	1	A	2.1	?	?	0		
	10	Spandrel Wall/Head Wall								
	11	Pier/Column	1	A	2.1	?	?	0		
	12	Cross-head/Capping Beam								
	13	Bearings	1	A	12.2	?	?	0		
	14	Bearing Plinth/Shelf	1	A	2.1	?	?	0		

Durability Elements	15	Superstructure Drainage								
	16	Substructure Drainage								
	17	Waterproofing								
	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	2	B	16.2	N	?	0		Minor decay and splitting.
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	2	B	9.1	N	?	0		

Other Bridge Elements	26	Invert/River Bed	2	C	7.2	RV	L	99		Small trees growing under structure.
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls								
	32	Retaining Walls								
	33	Embankments								
	34	Machinery								

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

Name: Chapleton Dam Footbridge

Ref No: NN186

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											
No multiple defects recorded											

Inspector's Comments											
Name: Redacted				Signed:				Date: 20/11/2023			

Engineer's Comments											
Name:				Signed:				Date: 01/01/1970			

Work Required												
Reference No.	Suggested Remedial Work	Priority	Estimated Cost									
23	N No Action Monitor Only	?	£0									
25	N No Action Monitor Only	?	£0									
26	REMOVE VEGETATION	Low	£99									