

Bridge Inspection Pro Forma

Based on Volume 2 Addendum: August 2004

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									

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

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

Multiple Defects

Element Number	Defect Number	Severity	Extent	Defect	W	P	Cost	Comments
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