

Name: POWDERHALL FOOTBRIDGE No2

Ref No: HY623/211

General Inspection	Inspector: Mott MacDonald	Form 1 of 4 for this structure
Footbridge Name: POWDERHALL FOOTBRIDGE No2	Date: 06/07/2022	
Footbridge Ref/No: HY623/211	Span Width: 3.28 m	Map Ref: 325707,675591
BCI Span Number: 1	Length of Span: 19.00 m	Primary Deck Form: Truss - Half Through
Span description: SPAN 1	Primary Deck Material: N Timber	
All above ground elements inspected: 0	Photographs: 0	Secondary Deck Form: Flat Plate - 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	68.41	BCS av	2.57	BCI av	90.90	BCS av	1.51		
BCI crit	55.48	BCS crit	3.10	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 G4)	6	F	0	None	0	0		No access for inspection during GI
	2	Secondary Deck Element/S - Transverse Beams	6	F	0	None	0	0		No access for inspection during GI
	3	Secondary Deck Element/S - Element From Table G5								
	4	Half Joints								
	5	Tie Beam/Rods								
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing	6	F	0	None	0	0		No access for inspection during GI

Load Bearing Sub Structure	8	Foundations	6	F	0	None	0	0		No access for inspection during GI
	9	Abutments (Incl. Arch Springing)	?	?	0	None	0	0		No access during GI
	10	Spandrel Wall/Head Wall								
	11	Pier/Column	6	F	0	None	0	0		No access for inspection during GI
	12	Cross-head/Capping Beam								
	13	Bearings	6	F	0	None	0	0		No access for inspection during GI
	14	Bearing Plinth/Shelf	6	F	0	None	0	0		No access for inspection during GI

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	None	0	0		Minor surface weathering of timber parapet. Timber splitting at end post at SE. Graffiti covering both parapets.
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	2	B	9.1	None	0	0		Rutting of footway surfacing and at approached onto deck. Localised wear of anti skid surfacing on bridge deck.

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Other Bridge Elements	26	Invert/River Bed								
	27	Aprons								
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works	6	F	0	None	0	0		Not visible from bridge deck.
	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								

Multiple Defects

No multiple defects recorded

Inspector's Comments

A PI of Powderhall Bridge No.2 is recommended because none the elevations, underside or substructure was visible and the inspection was only of the topside elements.

Minor surface weathering of timber parapet was noted with the timber splitting at end post at the SE. Graffiti was also covering both parapets. Rutting was noted to the footbridge/approach surfacing.

Name: Mott MacDonald

Signed:

Date: 06/07/2022

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

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