

General Inspection CSS		Inspector: <span style="background-color: black; color: black;">XXXXXXXXXX</span>		<b>Form 1 of 3 for this bridge</b>					
Bridge Name: CLODDACH				Date: 02/07/2019					
Bridge Ref/No: C2E/20			Span Width: 4.55m			Map Ref: 320172, 858398			
			Span Length: 6.73m			Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface			
Span description: west span						Primary Deck Material: E Steel			
All above ground elements inspected: Yes			Photographs: Yes			Secondary Deck Form: 23 Jack Arch - No Transverse Beams			
Number of construction forms in bridge/span: 1						Secondary Deck Material: B Plain / Mass Concrete			
Set	No	Element Description	S	Ex	Def	W	P	Cost	Comments
Deck Elements	1	Primary Deck Element (Table 2)	5	E	1.1	RM	H	#####	New bridge required
	3	Secondary Deck Element/S - Element From Table 3	5	E	3.5	RM	H	#####	Replace bridge
	7	Deck Bracing	5	E	1.1	RM	M	#####	Replace bridge
Load Bearing Sub Structure	8	Foundations	1	A	6.1	?	?	0	
	9	Abutments (Incl. Arch Springing)	4	D	2.5	RM	H	#####	Replace bridge
	11	Pier/Column	5	E	2.2	RM	H	#####	Replace bridge
Durability Elements	16	Substructure Drainage	2	C	8.1	I	M	1,000	Investigate drainage
	17	Waterproofing	5	E	14.2	RM	H	#####	Replace bridge
	19	Painting: Deck Elements	5	E	4.1	RM	M	#####	Replace bridge
	21	Painting: Parapets/Safety Fences	5	E	4.1	RM	M	#####	Replace bridge
Safety Elements	23	Handrail/Parapets/Safety Fences	5	E	1.1	RM	H	#####	Replace bridge
	24	Carriageway Surfacing	3	D	9.2	RM	L	4,000	Repair
	25	Footway/Verge/Footbridge Surfacing	3	E	5.1	RV	L	1,000	Remove vegetation
Other Bridge Elements	26	Invert/River Bed	1	A	7.1	?	?	0	
	30	Revetment/Batter Paving	1	A	3.1	?	?	0	
	33	Embankments	2	B	11.1	N	?	0	Cracking in road
Ancillary Elements	35	Approach Rails/Barriers/Walls	3	E	3.5	RM	L	2,000	Repair
	36	Signs	1	A	1.1	?	?	0	
	38	Services	1	A	1.1	?	?	0	Pipe clipped to upstream parapet at deck level outside



Multiple Defects					
Element Number	Defect Number	Severity	Extent	Defect	Comments
9	1	2	D	3..4	vertical crack in abutment

Inspector's Comments	
No comments recorded by inspector.	

Name: [Redacted] Signed: Date: 02/07/2019

Engineer's Comments	
No comments recorded by engineer.	

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

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

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General Inspection CSS		Inspector: [REDACTED]		<b>Form 2 of 3 for this bridge</b>					
Bridge Name: CLODDACH				Date: 02/07/2019					
Bridge Ref/No: C2E/20			Span Width: 4.55m			Map Ref: 320172, 858398			
			Span Length: 6.73m			Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface			
Span description: centre span				Primary Deck Material: E Steel					
All above ground elements inspected: Yes			Photographs: Yes			Secondary Deck Form: 23 Jack Arch - No Transverse Beams			
Number of construction forms in bridge/span: 1				Secondary Deck Material: B Plain / Mass Concrete					
Set	No	Element Description	S	Ex	Def	W	P	Cost	Comments
Deck Elements	1	Primary Deck Element (Table 2)	5	E	1.1	RM	H	#####	New bridge required
	3	Secondary Deck Element/S - Element From Table 3	5	E	3.5	RM	H	#####	Replace bridge
	7	Deck Bracing	5	E	1.1	RM	M	#####	Replace bridge
Load Bearing Sub Structure	8	Foundations	1	A	6.1	?	?	0	
	11	Pier/Column	5	E	2.2	RM	H	#####	Replace bridge
Durability Elements	17	Waterproofing	5	E	14.2	RM	H	#####	Replace bridge
	19	Painting: Deck Elements	5	E	4.1	RM	M	#####	Replace bridge
	21	Painting: Parapets/Safety Fences	5	E	4.1	RM	M	#####	Replace bridge
Safety Elements	23	Handrail/Parapets/Safety Fences	5	E	1.1	RM	H	#####	Replace bridge
	24	Carriageway Surfacing	3	D	9.2	RM	L	4,000	Repair
	25	Footway/Verge/Footbridge Surfacing	3	E	5.1	RV	L	1,000	Remove vegetation
Other Bridge Elements	26	Invert/River Bed	5	E	7.1	RM	H	20,000	Repair scour to concrete revetment
	30	Revetment/Batter Paving	3	C	3.1	RM	H	20,000	See element 26
Ancillary Elements	38	Services	1	A	1.1	?	?	0	Pipe clipped to upstream parapet at deck level outside



**Multiple Defects**

No multiple defects recorded

**Inspector's Comments**

No comments recorded by inspector.

Name: [Redacted] Signed: Date: 02/07/2019

**Engineer's Comments**

No comments recorded by engineer.

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

**Work Required**

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



General Inspection CSS		Inspector: [REDACTED]							<b>Form 3 of 3 for this bridge</b>	
Bridge Name: CLODDACH									Date: 02/07/2019	
Bridge Ref/No: C2E/20		Span Width: 4.55m			Map Ref: 320172, 858398					
		Span Length: 6.73m			Primary Deck Form: 04 Beam / Girder - At Or Below Deck Surface					
Span description: east span									Primary Deck Material: E Steel	
All above ground elements inspected: Yes		Photographs: Yes			Secondary Deck Form: 23 Jack Arch - No Transverse Beams					
Number of construction forms in bridge/span: 1									Secondary Deck Material: B Plain / Mass Concrete	
Set	No	Element Description	S	Ex	Def	W	P	Cost	Comments	
Deck Elements	1	Primary Deck Element (Table 2)	5	E	1.1	RM	H	#####	New bridge required	
	3	Secondary Deck Element/S - Element From Table 3	5	E	3.5	RM	H	#####	Replace bridge	
	7	Deck Bracing	5	E	1.1	RM	M	#####	Replace bridge	
Load Bearing Sub Structure	8	Foundations	1	A	6.1	?	?	0		
	9	Abutments (Incl. Arch Springing)	4	D	2.5	RM	H	#####	Replace bridge	
Durability Elements	16	Substructure Drainage	2	C	8.1	I	M	1,000	Investigate drainage	
	17	Waterproofing	5	E	14.2	RM	H	#####	Replace bridge	
	19	Painting: Deck Elements	5	E	4.1	RM	M	#####	Replace bridge	
	21	Painting: Parapets/Safety Fences	5	E	4.1	RM	M	#####	Replace bridge	
Safety Elements	23	Handrail/Parapets/Safety Fences	5	E	1.1	RM	H	#####	Replace bridge	
	24	Carriageway Surfacing	3	D	9.2	RM	L	4,000	Repair	
	25	Footway/Verge/Footbridge Surfacing	3	E	5.1	RV	L	1,000	Remove vegetation	
Other Bridge Elements	26	Invert/River Bed	1	A	7.1	?	?	0		
	30	Revetment/Batter Paving	1	A	3.1	?	?	0		
	33	Embankments	1	A	11.1	?	?	0		
Ancillary Elements	35	Approach Rails/Barriers/Walls	3	E	3.5	RM	L	2,000	Repair	
	36	Signs	1	A	1.1	?	?	0		
	38	Services	1	A	1.1	?	?	0	Pipe clipped to upstream parapet at deck level outside	



**Multiple Defects**

No multiple defects recorded

**Inspector's Comments**

No comments recorded by inspector.

Name: [Redacted] Signed: Date: 02/07/2019

**Engineer's Comments**

No comments recorded by engineer.

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

**Work Required**

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