

Name: COLTBRIDGE VIADUCT

Ref No: HY623/062

General Inspection		Inspector: 	Form 1 of 3 for this structure
Bridge Name: COLTBRIDGE VIADUCT			Date: 14/01/2025
Bridge Ref/No: HY623/062		Span Width: 18.30 m	Map Ref: 323075,673428
BCI Span Number: 1	BCI Span Total	Length of Span: 31.00 m	Primary Deck Form: Arch - Solid Spandrel
Span description:			Primary Deck Material: L Masonry - Stone
All above ground elements inspected: 1		Photographs: 1	Secondary Deck Form: 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	86.22	BCS av	1.74		BCI av	83.03	BCS av	1.90	
BCI crit	81.00	BCS crit	2.00		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 G4)	2	B	3.2	None	0	0		Minor pointing loss and small areas of delamination
	2	Secondary Deck Element/S - Transverse Beams								
	3	Secondary Deck Element/S - Element From Table G5								
	4	Half Joints								
	5	Tie Beam/Rods	2	B	1.1	None	0	0		Minor surface rusting to patras plates
	6	Parapet Beam Or Cantilever								
	7	Deck Bracing								

Load Bearing Sub Structure	8	Foundations								
	9	Abutments (Incl. Arch Springing)	2	B	3.2	None	0	0		Minor pointing loss and small areas of delamination
	10	Spandrel Wall/Head Wall	2	B	3.2	None	0	0		Minor pointing loss and small areas of delamination
	11	Pier/Column	2	B	3.2	None	0	0		Minor pointing loss and small areas of delamination
	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	M	L	0		Moderate staining and drops of water from arch barrel
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements								
	20	Painting: Substructure Elements								
	21	Painting: Parapets/Safety Fences	1	A	4.1	None	0	0		No defects noted

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	1	A	1.1	None	0	0		No defects noted
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	1	A	9.1	None	0	0		No defects noted

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Other Bridge Elements	26	Invert/River Bed								
	27	Aprons	2	B	3.2	None	0	0		Minor pointing loss
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls	3	C	3.2	None	0	0		Moderate pointing loss and small areas of delamination
	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

This structure is generally in fair condition with the exception of the following.
Sections of delamination to masonry on numerous elements of structure. Minor pointing loss throughout. Significant staining and drops of water from arch barrel. Minor Vegetation growth on stringers and wing walls.

Name: Signed: Date: 14/01/2025

Engineer's Comments

Name: Signed: Date: 01/01/1970

Work Required

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Name: COLTBRIDGE VIADUCT

Ref No: HY623/062

General Inspection		Inspector: 	Form 2 of 3 for this structure
Bridge Name: COLTBRIDGE VIADUCT			Date: 14/01/2025
Bridge Ref/No: HY623/062		Span Width: 18.30 m	Map Ref: 323075,673428
BCI Span Number: 2	BCI Span Total	Length of Span: 31.00 m	Primary Deck Form: Arch - Solid Spandrel
Span description:			Primary Deck Material: L Masonry - Stone
All above ground elements inspected: 1		Photographs: 1	Secondary Deck Form: 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	86.22	BCS av	1.74		BCI av	88.07	BCS av	1.65	
BCI crit	81.00	BCS crit	2.00		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 G4)	2	B	3.2	None	0	0		Minor pointing loss and small areas of delamination
	2	Secondary Deck Element/S - Transverse Beams								
	3	Secondary Deck Element/S - Element From Table G5								
	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	2	B	3.2	None	0	0		Minor pointing loss and small areas of delamination
	11	Pier/Column	2	B	3.2	None	0	0		Minor pointing loss and small areas of delamination
	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	None	0	0		Slight staining on arch barrel
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements								
	20	Painting: Substructure Elements								
	21	Painting: Parapets/Safety Fences	1	A	4.1	None	0	0		No defects noted

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	1	A	1.1	None	0	0		No defects noted
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	1	A	9.1	None	0	0		No defects noted

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Other Bridge Elements	26	Invert/River Bed								
	27	Aprons	2	B	3.2	None	0	0		Minor pointing loss
	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								

Multiple Defects

No multiple defects recorded

Inspector's Comments

This structure is generally in fair condition with the exception of the following.
Sections of delamination to masonry on numerous elements of structure. Minor pointing loss throughout. Significant staining and drops of water from arch barrel. Minor Vegetation growth on stringers and wing walls.

Name: [REDACTED] Signed: Date: 14/01/2025

Engineer's Comments

Name: Signed: Date: 01/01/1970

Work Required

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Name: COLTBRIDGE VIADUCT

Ref No: HY623/062

General Inspection		Inspector: 	Form 3 of 3 for this structure
Bridge Name: COLTBRIDGE VIADUCT			Date: 14/01/2025
Bridge Ref/No: HY623/062		Span Width: 18.30 m	Map Ref: 323075,673428
BCI Span Number: 3	BCI Span Total	Length of Span: 31.00 m	Primary Deck Form: Arch - Solid Spandrel
Span description:			Primary Deck Material: L Masonry - Stone
All above ground elements inspected: 1		Photographs: 1	Secondary Deck Form: 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	86.22	BCS av	1.74		BCI av	87.57	BCS av	1.68	
BCI crit	81.00	BCS crit	2.00		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 G4)	2	B	3.2	None	0	0		Minor pointing loss and small areas of delamination
	2	Secondary Deck Element/S - Transverse Beams								
	3	Secondary Deck Element/S - Element From Table G5								
	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)	2	B	3.2	None	0	0		Minor pointing loss and small areas of delamination
	10	Spandrel Wall/Head Wall	2	B	3.2	None	0	0		Minor pointing loss and small areas of delamination
	11	Pier/Column	2	B	3.2	None	0	0		Minor pointing loss and small areas of delamination
	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	None	0	0		Damp surface and staining
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements								
	20	Painting: Substructure Elements								
	21	Painting: Parapets/Safety Fences	1	A	4.1	None	0	0		No defects noted

Safety Elements	22	Access/Walkways/Gantries								
	23	Handrail/Parapets/Safety Fences	1	A	1.1	None	0	0		No defects noted
	24	Carriageway Surfacing								
	25	Footway/Verge/Footbridge Surfacing	1	A	9.1	None	0	0		N9 defects noted

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Other Bridge Elements	26	Invert/River Bed								
	27	Aprons	2	B	3.2	None	0	0		Minor pointing loss
	28	Fenders/Cutwaters/Collision Protection								
	29	River Training Works								
	30	Revetment/Batter Paving								
	31	Wing Walls	2	B	3.2	None	0	0		Minor pointing loss and small areas of delamination
	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

This structure is generally in fair condition with the exception of the following.
Sections of delamination to masonry on numerous elements of structure. Minor pointing loss throughout. Significant staining and drops of water from arch barrel. Minor Vegetation growth on stringers and wing walls. Minor tag of offensive graffiti on D/S side of pier, (will arrange removal).

Name: Signed: Date: 14/01/2025

Engineer's Comments

Name: Signed: Date: 01/01/1970

Work Required

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