

Name: **SOUTH BRIDGE**

Ref No: **HY622/153**

General Inspection		Inspector: Lloyd Glen		Form 1 of 6 for this structure	
Bridge Name: SOUTH BRIDGE				Date: 16/11/2023	
Bridge Ref/No: HY622/153			Span Width: 9.40 m		Map Ref: 325972,673538
BCI Span Number: 1		BCI Span Total	Length of Span: 9.40 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	81.49	BCS av	1.95		BCI av	79.10	BCS av	2.09	
BCI crit	76.78	BCS crit	2.37		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 G4)	3	C	3.4	M	L	0		Longitudinal cracking on arch barrel, unable to see readings as inspection carried out from ground level
	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
	11	Pier/Column	2	B	3.2	None	0	0		Minor pointing loss and major staining due to water from arch barrel
	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	M	L	0		Major staining and water ingress over entirety
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements								
	20	Painting: Substructure Elements								
	21	Painting: Parapets/Safety Fences	3	C	4.1	None	0	0		Spot chips and normal weathering to paintwork on parapet rails

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

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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								

Multiple Defects

No multiple defects recorded

Inspector's Comments

Unable to inspect fully due to access restrictions, inspection carried out from ground level.
Minor pointing loss throughout, major staining and leaching to arch barrel and both piers, Minor paintwork breakdown on parapet rails.
Due to the height it was impossible to read any of the tell tales therefore unable to as ascertain any movement since installed.

Name: Lloyd Glen

Signed:

Date: 16/11/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

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Name: **SOUTH BRIDGE**

Ref No: **HY622/153**

General Inspection		Inspector: Lloyd Glen		Form 2 of 6 for this structure	
Bridge Name: SOUTH BRIDGE				Date: 16/11/2023	
Bridge Ref/No: HY622/153			Span Width: 9.30 m		Map Ref: 325972,673538
BCI Span Number: 2		BCI Span Total		Length of Span: 9.30 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: Unknown
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	81.49	BCS av	1.95		BCI av	85.98	BCS av	1.76	
BCI crit	76.78	BCS crit	2.37		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
	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
	10	Spandrel Wall/Head Wall	2	B	3.2	None	0	0		Minor pointing loss
	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	M	L	0		Major staining and leaching due to water ingress
	18	Movement/Expansion Joints								
	19	Painting: Deck Elements								
	20	Painting: Substructure Elements								
	21	Painting: Parapets/Safety Fences	2	C	4.1	None	0	0		Spot chips and normal weathering

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

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

Multiple Defects

No multiple defects recorded

Inspector's Comments

As span 1

Name: Lloyd Glen

Signed:

Date: 16/11/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

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Name: **SOUTH BRIDGE**

Ref No: **HY622/153**

General Inspection		Inspector: Lloyd Glen		Form 3 of 6 for this structure	
Bridge Name: SOUTH BRIDGE				Date: 16/11/2023	
Bridge Ref/No: HY622/153		Span Width: 30.00 m		Map Ref: 325972,673538	
BCI Span Number: 3	BCI Span Total	Length of Span: 12.00 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: K Masonry - Brick	

Condition Indicator and Scores							
Average Score for structure				Span Score			
BCI av	81.49	BCS av	1.95	BCI av	81.00	BCS av	2.00
BCI crit	76.78	BCS crit	2.37	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
	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								
	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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Ref No: HY622/153

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

Multiple Defects

No multiple defects recorded

Inspector's Comments

As span 1

Name: Lloyd Glen

Signed:

Date: 16/11/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

Name: **SOUTH BRIDGE**

Ref No: **HY622/153**

General Inspection		Inspector: Lloyd Glen		Form 4 of 6 for this structure	
Bridge Name: SOUTH BRIDGE				Date: 16/11/2023	
Bridge Ref/No: HY622/153			Span Width: 17.05 m		Map Ref: 325972,673538
BCI Span Number: Arch G		BCI Span Total		Length of Span: 6.15 m	
				Primary Deck Form: Arch - Solid Spandrel	
Span description:				Primary Deck Material: L Masonry - Stone	
All above ground elements inspected: 0			Photographs: 0		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	81.49	BCS av	1.95		BCI av	-999.00	BCS av	-999.00	
BCI crit	76.78	BCS crit	2.37		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		
	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								
	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								

Name: **SOUTH BRIDGE**

Ref No: **HY622/153**

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

Multiple Defects

No multiple defects recorded

Inspector's Comments

Unable to inspect due to access restrictions

Name: Lloyd Glen

Signed:

Date: 16/11/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

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Name: **SOUTH BRIDGE**

Ref No: **HY622/153**

General Inspection		Inspector: Lloyd Glen		Form 5 of 6 for this structure	
Bridge Name: SOUTH BRIDGE				Date: 16/11/2023	
Bridge Ref/No: HY622/153			Span Width: 17.05 m		Map Ref: 325972,673538
BCI Span Number: Arch I		BCI Span Total		Length of Span: 6.15 m	Primary Deck Form: Arch - Solid Spandrel
Span description:					Primary Deck Material: L Masonry - Stone
All above ground elements inspected: 0			Photographs: 0		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	81.49	BCS av	1.95		BCI av	-999.00	BCS av	-999.00	
BCI crit	76.78	BCS crit	2.37		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		Unable to inspect due to access restrictions
	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								
	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								

Name: **SOUTH BRIDGE**

Ref No: **HY622/153**

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

Multiple Defects

No multiple defects recorded

Inspector's Comments

Unable to inspect due to access restrictions

Name: Lloyd Glen

Signed:

Date: 16/11/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

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Name: SOUTH BRIDGE

Ref No: HY622/153

General Inspection		Inspector: Lloyd Glen		Form 6 of 6 for this structure	
Bridge Name: SOUTH BRIDGE				Date: 16/11/2023	
Bridge Ref/No: HY622/153			Span Width: 17.05 m		Map Ref: 325972,673538
BCI Span Number: Arch A		BCI Span Total		Length of Span: 6.15 m	
				Primary Deck Form: Arch - Solid Spandrel	
Span description:				Primary Deck Material: L Masonry - Stone	
All above ground elements inspected: 0			Photographs: 0		Secondary Deck Form: No Secondary Deck Element -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	81.49	BCS av	1.95		BCI av	-999.00	BCS av	-999.00	
BCI crit	76.78	BCS crit	2.37		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		Unable to inspect due to access restrictions
	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								
	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								

Name: SOUTH BRIDGE

Ref No: HY622/153

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

Multiple Defects

No multiple defects recorded

Inspector's Comments

Unable to inspect due to access restrictions

Name: Lloyd Glen

Signed:

Date: 16/11/2023

Engineer's Comments

Name:

Signed:

Date: 01/01/1970

Work Required

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