

# General Inspection Report

**Structure Name:** GUTTERIDGE HALL BRIDGE

**Identifier:** 1515

**BCI Average (Latest Condition):** 90.42

**BCI Critical (Latest Condition):** 58.00

**Financial Year:** 2022/23

**Planned Inspection Date:** 01/04/2022

**Inspection Date:** 30/11/2022

**Inspector:** R12(3) / R13

**Submitted Date:** 01/12/2022

**Report Status:** Approved

**Submission Count:** 1

**BCI Average:** 93.91

**BCI Critical:** 58.00

**Report Print Date:** 14/04/2026

# CONTENTS

## Report Sections

- Structure Summary
- CSS Inspection Proforma
  - Inspection Details
  - Inspection Condition
  - Inspection Signatures
  - Inspection Sign-off Submissions
- Structure Details
  - Dimension Details
  - Constructions Details
  - General View Photographs
  - Element Conditions
  - Inspector's Comments
  - Checker's Comments
  - Engineer's Comments
  - Works Required
  - Defect View Photographs
- Photo Location Plans
- Defect Location Plans
- General Arrangement Drawings
- Hazard Assessment Sheet
- Environment Awareness Sheet

## Additional Inspection Documents

[No additional inspection documents found. To add additional inspection documents upload the document to the inspection folder on BridgeStation's file system]

## Structure Summary

<b>Name:</b>	GUTTERIDGE HALL BRIDGE		
<b>Identifier:</b>	1515	<b>Element Hierarchy Status:</b>	Compliant
<b>Structure Type:</b>	Bridge	<b>Carried:</b>	COLCHESTER ROAD
<b>BPRN Structure:</b>	No	<b>Crossed:</b>	Railway

<b>Authority:</b>	Essex County Council	<b>Restrictions:</b>	[None]
<b>Owner:</b>	ECC (Essex Highways)	<b>Assessment Status:</b>	Unknown
<b>Maintaining Authority:</b>	ECC (Essex Highways)	<b>Assessed Capacity:</b>	
		<b>HB Rating:</b>	

<b>Easting/Northing:</b>	613706, 221572		
<b>Year of Construction:</b>	1994		

<b>No. of Spans:</b>	3	<b>Latest Inspection:</b>	PI - 09/03/2026
<b>Primary Deck Form:</b>	04 - Beam/Girder (at/below deck surface)	<b>BCI Average (Latest Condition):</b>	90.42
<b>Primary Deck Material:</b>	Precast Prestressed Concrete (Pre-Tensioned)	<b>BCI Critical (Latest Condition):</b>	58.00

<b>Structure Condition Index Key:</b>	<b>Very Good</b> >=90 & <=100	<b>Good</b> >=80 & <90	<b>Fair</b> >=65 & <80	<b>Poor</b> >=40 & < 65	<b>Very Poor</b> >=0 & <40
---------------------------------------	----------------------------------	---------------------------	---------------------------	----------------------------	-------------------------------

<b>Last Data Change:</b>	Element Details
--------------------------	-----------------

**Description:**

**Comments:** Structures Hierarchy: STR 1

**Map:**

**Summary Photographs:**

No summary photographs found for this inspection

# CSS Inspection Proforma

## Inspection Details

<b>Inspection Type:</b>	General	<b>Financial Year:</b>	2022/23
<b>Inspector:</b>	R12(3) /	<b>Inspection Date:</b>	30/11/2022
<b>Risk Assessment Reviewed and Updated:</b>	<input checked="" type="checkbox"/>		
<b>All Above Ground Elements Inspected:</b>	Yes	<b>Photographs:</b>	Yes
<b>Inspection Methodology:</b>	Inspection carried out confined to safely walking route keeping to footways and verges. Inspection carried out using tablet and ranging rod.		
<b>Special Instructions:</b>	GI's for 22/23. Not for PI's		

## Inspection Condition

Condition	Index	Score	Rating
Average (30/11/2022)	93.91	1.34	Very Good
Critical (30/11/2022)	58.00	3.00	Poor

Note: Index, Score and Rating are given up to the date of inspection. Previous conditions are used where required to produce a set of conditions based on as many elements as possible.  
 Average and Critical Conditions labelled 'Projected' need to be confirmed by signing off the inspection before they are shown elsewhere.

## Inspection Signatures

<b>Inspected By:</b>	R12(3) /
<b>Inspector's Comments By:</b>	R12(3) /
<b>Checker's Comments By:</b>	
<b>Engineer's Comments By:</b>	R12(3) /

## Inspection Sign-off History

Change Date	User Name	Action	Old Status	New Status	Comments
05/12/2022	R12(3) /	Inspection compliant	Submitted	Approved	
01/12/2022	R12(3) /	Inspection submitted	Draft	Submitted	
30/11/2022	R12(3) /	Inspection uploaded from BridgeStation Mobile (onsite complete)	Draft	Draft	Onsite Complete
30/11/2022	R12(3) /	Inspection downloaded on BridgeStation Mobile (Inspector Onsite)	Planned	Planned	Inspector Onsite

## Structure Details

<b>Bridge Name:</b>	GUTTERIDGE HALL BRIDGE	<b>Identifier:</b>	1515
<b>Authority:</b>	Essex County Council	<b>Structure Type:</b>	Bridge
<b>Owner:</b>	ECC (Essex Highways)	<b>Easting:</b>	613706
<b>Maintaining Authority:</b>	ECC (Essex Highways)	<b>Northing:</b>	221572
<b>Overall Structure Length (m):</b>	47.94	<b>Average Width (m):</b>	12.90

## Dimension Details:

Span Name	Qty	Span Length (m)	Max Width (m)	Min Width (m)	Internal Headroom (m)	Measured Headroom (A) (m)	Signed Headroom (A) (m)	Measured Headroom (B) (m)	Signed Headroom (B) (m)
GUTTERIDGE HALL BRIDGE - Span 2	1	17.90	12.90			6.00			
GUTTERIDGE HALL BRIDGE - Span 1	1	15.02	12.90			6.00			
GUTTERIDGE HALL BRIDGE - Span 3	1	15.02	12.90			6.00			

## Construction Details:

Span/Wall/Gantry	Construction	Form/Material
GUTTERIDGE HALL BRIDGE - Span 1	Primary Deck (01/Primary Deck Element)	04 - Beam/Girder (at/below deck surface) / Precast Prestressed Concrete (Pre-Tensioned)
GUTTERIDGE HALL BRIDGE - Span 1	Secondary Deck (03/Sec.Deck Element/s Other)	24 - No Transverse Beams - Slab / Insitu Reinforced Concrete
GUTTERIDGE HALL BRIDGE - Span 2	Primary Deck (01/Primary Deck Element)	04 - Beam/Girder (at/below deck surface) / Precast Prestressed Concrete (Pre-Tensioned)

**Inspection Type:** General  
**Structure Name:** GUTTERIDGE HALL BRIDGE

**Inspection Date:** 30/11/2022  
**Identifier:** 1515

GUTTERIDGE HALL BRIDGE - Span 2	Secondary Deck (03/Sec.Deck Element/s Other)	24 - No Transverse Beams - Slab / Insitu Reinforced Concrete
GUTTERIDGE HALL BRIDGE - Span 3	Primary Deck (01/Primary Deck Element)	04 - Beam/Girder (at/below deck surface) / Precast Prestressed Concrete (Pre-Tensioned)
GUTTERIDGE HALL BRIDGE - Span 3	Secondary Deck (03/Sec.Deck Element/s Other)	24 - No Transverse Beams - Slab / Insitu Reinforced Concrete

**Report Status:** Approved  
**Submission Count:** 1

**Submitted Date:** 01/12/2022  
**Print Date:** 14/04/2026

General View Photographs



**West Elevation**  
West Elevation



**East Elevation**  
East Elevation



**South Topside (looking north)**  
South Topside

**Element Conditions**

**GUTTERIDGE HALL BRIDGE - Span 3**

**Deck Elements**

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
1	01/Primary Deck Element	1	A		<input type="checkbox"/>		

**Comment**

[none]

**Remedial Works**

[none]

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
3	03/Sec.Deck Element/s Other	1	A		<input type="checkbox"/>		

**Comment**

[none]

**Remedial Works**

[none]

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
6	06/Parapet beam or cantilever	1	A		<input type="checkbox"/>		

**Comment**

[none]

**Remedial Works**

[none]

**Load-bearing Substructure**

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
8	08/Foundations	1	A		<input type="checkbox"/>		

**Comment**

[none]

**Remedial Works**

[none]

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
9	09/Abutments(inc.arch spring)	1	A		<input type="checkbox"/>		

**Comment**

[none]

**Remedial Works**

[none]

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
11	11/Pier/column	1	A		<input type="checkbox"/>		

**Comment**

[none]

**Remedial Works**

[none]

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
13	13/Bearings	1	A		<input type="checkbox"/>		

**Comment**

[none]

**Remedial Works**

[none]

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
14	14/Bearing plinth/shelf	1	A		<input type="checkbox"/>		

**Comment**

[none]

**Remedial Works**

[none]

**Durability Elements**

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
15	15/Superstructure drainage	1	A	0	<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
16	16/Substructure drainage	1	A	0	<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
17	17/Water proofing	1	A		<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
18	18/Movement/expansion joints	1	A		<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
20	20/Finishes:substructure elem	3	D	4.1	<input type="checkbox"/>	L	
<b>Comment</b>							
Protective paint top coat chipped and flaking to wing walls and pilasters both sides.							
<b>Remedial Works</b>							
[none]							

**Safety Elements**

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
23	23/Handrail/parapet/saf.fences	1	A		<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
24	24/Carriageway surfacing	2	C	9.2	<input type="checkbox"/>	L	
<b>Comment</b>							
Carriageway surface cracked along APJ edges across both lanes with minor wear patch to west side northbound lane.							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
25	25/Fway/verge/fbrdge surfacing	3	C	5.1	<input checked="" type="checkbox"/>	H	0.2
<b>Comment</b>							
Large soil and Vegetation buildup above APJ on both footways. Vegetation growing to front and back of both footways.							
<b>Remedial Works</b>							
Remove Vegetation							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
25	25/Fway/verge/fbrdge surfacing	2	B	9.2	<input type="checkbox"/>	L	
<b>Comment</b>							
North east footway cracked and sunk adjacent APJ							
<b>Remedial Works</b>							
[none]							

Other Bridge Elements							
No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
30	30/Revetment/batter paving	2	B	6.4	<input type="checkbox"/>	L	
<b>Comment</b>							
Minor rotation of concrete stop ends at top corners of revetment both sides, separation of 15mm from adjacent pilaster.							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
30	30/Revetment/batter paving	2	B	3.6	<input type="checkbox"/>	L	
<b>Comment</b>							
3no. missing revetment pavers missing from top upper line and 1no. chipped on top upper line.							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
31	31/Wing walls	1	A		<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
33	33/Embankments	2	B	11.1	<input type="checkbox"/>	L	
<b>Comment</b>							
Deep animal hole adjacent to wingwall at top of north east and north west embankments.							
<b>Remedial Works</b>							
[none]							

Ancillary Elements							
No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
35	35/Approch rails/barriers/walls	1	A		<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
38	38/Services				<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

**GUTTERIDGE HALL BRIDGE - Span 1**

**Deck Elements**

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
1	01/Primary Deck Element	3	B	2.1	<input checked="" type="checkbox"/>	M	5

**Comment**  
 Moderate concrete spall to far end of south west edge beam, exposing corroded rebar, very close above bearing.

**Remedial Works**  
 [none]

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
3	03/Sec.Deck Element/s Other	1	A		<input type="checkbox"/>		

**Comment**  
 [none]

**Remedial Works**  
 [none]

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
6	06/Parapet beam or cantilever	1	A		<input type="checkbox"/>		

**Comment**  
 [none]

**Remedial Works**  
 [none]

**Load-bearing Substructure**

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
8	08/Foundations	1	A		<input type="checkbox"/>		

**Comment**  
 [none]

**Remedial Works**  
 [none]

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
9	09/Abutments(inc.arch spring)	2	B	2.2	<input type="checkbox"/>	L	

**Comment**  
 Minor vertical hairline crack full height 4m in from the west side.

**Remedial Works**  
 [none]

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
9	09/Abutments(inc.arch spring)	2	B	2.2	<input type="checkbox"/>	L	

**Comment**  
 Concrete crack to abutment shelf back edge in south east corner adjacent buttress

**Remedial Works**  
 [none]

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
11	11/Pier/column	1	B		<input type="checkbox"/>		

**Comment**  
 [none]

**Remedial Works**  
 [none]

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
12	12/Cross-head/capping beam				<input type="checkbox"/>		

**Comment**  
 [none]

**Remedial Works**  
 [none]

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
13	13/Bearings	2	B	12.2	<input type="checkbox"/>	L	
<b>Comment</b>							
Minor deformation northwards to 1st elastomeric bearing in from the west.							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
14	14/Bearing plinth/shelf	2	B	7.2	<input type="checkbox"/>	M	
<b>Comment</b>							
Pooling at south west end and south east of bearing shelf due to silt / debris blocking drainage path. It was noted that the south east weep holes were dripping water into the bearing shelf.							
<b>Remedial Works</b>							
[none]							

**Durability Elements**

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
15	15/Superstructure drainage	1	A		<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
16	16/Substructure drainage	1	A	0	<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
17	17/Water proofing	1	A		<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
18	18/Movement/expansion joints	3	B	10.12	<input type="checkbox"/>	H	
<b>Comment</b>							
Water ingress through APJ at south west and south east (Most probably through footway) causing staining to east abutment and pooling at south west bearing shelf. Could also contribute to further spalling to end of south west edge beam.							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
18	18/Movement/expansion joints	3	C	10.1	<input checked="" type="checkbox"/>	H	8
<b>Comment</b>							
APJ has debonded from east side of carriageway and missing joint sealant on east footway.							
<b>Remedial Works</b>							
Replace joints							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
20	20/Finishes:substructure elem	3	D	4.1	<input type="checkbox"/>	L	
<b>Comment</b>							
Protective paint top coat chipped and flaking to wing walls and pilasters							
<b>Remedial Works</b>							
[none]							

**Safety Elements**

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
23	23/Handrail/parapet/saf.fences	1	A		<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
24	24/Carriageway surfacing	2	B	9.2	<input type="checkbox"/>	M	
<b>Comment</b>							
Carriageway cracked and eroded in centre of joint to the west side in APJ surfacing on northbound carriageway. Carriageway cracked along edges of APJ joint across both lanes.							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
24	24/Carriageway surfacing	3	B	2.2	<input type="checkbox"/>	M	
<b>Comment</b>							
Lower substructure carriageway transverse crack across width open hairline (south side ) to 10mm (north side)							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
25	25/Fway/verge/fbrdge surfacing	3	C	5.1	<input checked="" type="checkbox"/>	H	0.4
<b>Comment</b>							
Soil and vegetation build up level with APJ on east and west footway (probable contributor to water ingress). Grass growing to front of both footways.							
<b>Remedial Works</b>							
Remove Vegetation							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
25	25/Fway/verge/fbrdge surfacing	3	B	9.2	<input type="checkbox"/>	L	
<b>Comment</b>							
East footway cracked and sunk adjacent to AJP. Minor multiple transverse cracks to east footway.							
<b>Remedial Works</b>							
[none]							

**Other Bridge Elements**

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
30	30/Revetment/batter paving	2	B	6.4	<input type="checkbox"/>	M	
<b>Comment</b>							
Minor rotation of concrete stop end buttresses at top corners of revetment both sides, separation of 20mm from adjacent pilaster.							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
30	30/Revetment/batter paving	2	B	20.1	<input type="checkbox"/>	L	
<b>Comment</b>							
Weep holes dripping water and staining south bearing shelf, abutment and revetment.							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
31	31/Wing walls	1	A		<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
33	33/Embankments	3	B	11.1	<input type="checkbox"/>	L	
<b>Comment</b> Large/ deep rabbit (or other animal) holes at top of south west and south east embankment, directly next to wingwall.							
<b>Remedial Works</b> [none]							

**Ancillary Elements**

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
35	35/Approch rails/barriers/walls	1	A		<input type="checkbox"/>		
<b>Comment</b> [none]							
<b>Remedial Works</b> [none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
38	38/Services				<input type="checkbox"/>		
<b>Comment</b> [none]							
<b>Remedial Works</b> [none]							

**GUTTERIDGE HALL BRIDGE - Span 2**

**Deck Elements**

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
1	01/Primary Deck Element	1	A		<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
3	03/Sec.Deck Element/s Other	1	A		<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
6	06/Parapet beam or cantilever	1	A		<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

**Load-bearing Substructure**

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
8	08/Foundations	1	A		<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
11	11/Pier/column	1	A		<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
13	13/Bearings	1	A		<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
14	14/Bearing plinth/shelf	1	A		<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

**Durability Elements**

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
15	15/Superstructure drainage				<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
16	16/Substructure drainage				<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
17	17/Water proofing	1	A		<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
18	18/Movement/expansion joints				<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

**Safety Elements**

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
23	23/Handrail/parapet/saf.fences	1	A		<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
24	24/Carriageway surfacing	2	C	9.1	<input type="checkbox"/>	L	
<b>Comment</b>							
Carriageway wearing coarse top layer eroding in patches across both carriageway lanes.							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
25	25/Fway/verge/fbrdge surfacing	2	D	9.2	<input type="checkbox"/>	L	
<b>Comment</b>							
Minor shallow transverse and longitudinal cracks to east footway surface and APJ.							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
25	25/Fway/verge/fbrdge surfacing	3	B	5.1	<input checked="" type="checkbox"/>	M	0.2
<b>Comment</b>							
Large vegetation and debris build up on west side of footway above APJ. grasses/ weeds growing to front and back of both footways.							
<b>Remedial Works</b>							
remove Vegetation							

**Ancillary Elements**

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
36	36/Signs	1	A	0	<input type="checkbox"/>		
<b>Comment</b>							
Sign on east parapet road side and deck underside.							
<b>Remedial Works</b>							
[none]							

No	Element Name	Sev	Ext	Defect	Works	Priority	Cost £k
38	38/Services				<input type="checkbox"/>		
<b>Comment</b>							
[none]							
<b>Remedial Works</b>							
[none]							

**Inspector's Comments:**

Please tick here if you believe that span length, span width and/or form of construction needs reviewing by the bridge manager. Please include appropriate comments in inspection comment section below

The 3 span structure spanning a railway line was in generally good condition with some separation noted to the concrete stop end buttresses of up to 20mm from the adjacent pilasters, worse side being the south end. The APJ at the south end had water ingress which was permeating through the joint and deck and dripping / staining the substructure elements beneath, the south east footway topside APJ joint had a visible small gap through to the substructure where the sealant has deboned. The APJ topside footway joints have gathered a large amount of debris, silt and vegetation creating mounds of vegetation over the joints with the worst being to the west side. Animal habitats were noted to all upper corners of the embankments adjacent the wing walls which could potentially undermine the elements.

Inspector's Name: R12(3) /

**Checker's Comments:**

[none]

Checker's Name:

**Engineer's Comments:**

Spalling the Western edge beam end to be investigated as strange place to spall. APJ's to be replaced to stop water ingress which is causing damage to bridge

Engineer's Name: R12(3) /

**Works Required:**

**GUTTERIDGE HALL BRIDGE - Span 1**

**Durability Elements**

No	Element Name	Remedial Works	Priority	Cost £k
18	18/Movement/expansion joints	Replace joints	H	8.00

**Safety Elements**

No	Element Name	Remedial Works	Priority	Cost £k
25	25/Fway/verge/fbrdge surfacing	Remove Vegetation	H	0.40

**GUTTERIDGE HALL BRIDGE - Span 2**

**Safety Elements**

No	Element Name	Remedial Works	Priority	Cost £k
25	25/Fway/verge/fbrdge surfacing	remove Vegetation	M	0.20

**GUTTERIDGE HALL BRIDGE - Span 3**

**Safety Elements**

No	Element Name	Remedial Works	Priority	Cost £k
25	25/Fway/verge/fbrdge surfacing	Remove Vegetation	H	0.20

**£8.80 k**

**Defect View Photographs**

**GUTTERIDGE HALL BRIDGE - Span 3**

**Durability Elements**



**Span 3 - West Pilasters**  
 Protective paint top coat failing.

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
20	Finishes: substructure elements	20/Finishes:substructure elem	3	D	4.1	L	N	

**Comment** **Remedial Works**

Protective paint top coat chipped and flaking to wing walls and pilasters both sides. [none]



**Span 3 - West Carriageway**  
 Cracks to APJ edges

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
24	Carriageway surfacing	24/Carriageway surfacing	2	C	9.2	L	N	

**Comment** **Remedial Works**

Carriageway surface cracked along APJ edges across both lanes with minor wear patch to west side northbound lane. [none]

**GUTTERIDGE HALL BRIDGE - Span 3**

**Safety Elements**



**Span 3 - West Footway**  
 Vegetation build up to footway front edge and joints.

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
25	Footway/verge/footbridge surfacing	25/Fway/verge/fbrdge surfacing	3	C	5.1	H	Y	0.2

Comment	Remedial Works
Large soil and Vegetation buildup above APJ on both footways. Vegetation growing to front and back of both footways.	Remove Vegetation



**Span 3 - East Footway**  
 Footway cracked and sunk.

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
25	Footway/verge/footbridge surfacing	25/Fway/verge/fbrdge surfacing	2	B	9.2	L	N	

Comment	Remedial Works
North east footway cracked and sunk adjacent APJ	[none]

**GUTTERIDGE HALL BRIDGE - Span 3**

**Other Bridge Elements**



**Span 3 - North West Buttress**  
 Separation of 15mm to pilaster

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
30	Revetment/batter paving	30/Revetment/batter paving	2	B	6.4	L	N	

Comment	Remedial Works
Minor rotation of concrete stop ends at top corners of revetment both sides, separation of 15mm from adjacent pilaster.	[none]



**Span 3 - North East Revetment**  
 Missing revetment pavers

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
30	Revetment/batter paving	30/Revetment/batter paving	2	B	3.6	L	N	

Comment	Remedial Works
3no. missing revetment pavers missing from top upper line and 1no. chipped on top upper line.	[none]

**GUTTERIDGE HALL BRIDGE - Span 3**

**Other Bridge Elements**



**Span 3 - North West Embankment**  
 Animal habitat undermining elements.

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
33	Embankments	33/Embankments	2	B	11.1	L	N	

Comment	Remedial Works
Deep animal hole adjacent to wingwall at top of north east and north west embankments.	[none]

**GUTTERIDGE HALL BRIDGE - Span 1**

**Deck Elements**



**Span 1 - South West Deck**  
 Concrete spalling deck underside.

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
1	Primary deck element (Table 2)	01/Primary Deck Element	3	B	2.1	M	Y	5

Comment	Remedial Works
Moderate concrete spall to far end of south west edge beam, exposing corroded rebar, very close above bearing.	[none]



**Span 1 - South West Abutment**  
 Vertical hairline crack

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
9	Abutments (inc arch springing)	09/Abutments(inc.arch spring)	2	B	2.2	L	N	

Comment	Remedial Works
Minor vertical hairline crack full height 4m in from the west side.	[none]

**GUTTERIDGE HALL BRIDGE - Span 1**

**Load-bearing Substructure**



**Span 1 - South East Abutment**  
 Concrete crack

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
9	Abutments (inc arch springing)	09/Abutments(inc.arch spring)	2	B	2.2	L	N	

Comment	Remedial Works
Concrete crack to abutment shelf back edge in south east corner adjacent buttress	[none]



**Span 1 - South West Bearing Shelf**  
 Water pooling on bearing shelf.

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
14	Bearing plinth/shelf	14/Bearing plinth/shelf	2	B	7.2	M	N	

Comment	Remedial Works
Pooling at south west end and south east of bearing shelf due to silt / debris blocking drainage path. It was noted that the south east weep holes were dripping water into the bearing shelf.	[none]

**GUTTERIDGE HALL BRIDGE - Span 1**

**Durability Elements**



**Span 1 - East Footway APJ**  
 APJ south edge open.

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
18	Movement/expansion joints	18/Movement/expansion joints	3	B	10.12	H	N	

Comment	Remedial Works
Water ingress through APJ at south west and south east (Most probably through footway) causing staining to east abutment and pooling at south west bearing shelf. Could also contribute to further spalling to end of south west edge beam.	[none]



**Span 1 - South East Abutment**  
 Staining to elements

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
18	Movement/expansion joints	18/Movement/expansion joints	3	B	10.12	H	N	

Comment	Remedial Works
Water ingress through APJ at south west and south east (Most probably through footway) causing staining to east abutment and pooling at south west bearing shelf. Could also contribute to further spalling to end of south west edge beam.	[none]

**GUTTERIDGE HALL BRIDGE - Span 1**

**Durability Elements**



**Span 1 - East Footway APJ**  
 Sealant debonded and missing

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
18	Movement/expansion joints	18/Movement/expansion joints	3	C	10.1	H	Y	8

Comment	Remedial Works
APJ has debonded from east side of carriageway and missing joint sealant on east footway.	Replace joints

**Span 1 - South East Pilaster**  
 Protective paint top coat failing

*image coming soon*

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
20	Finishes: substructure elements	20/Finishes:substructure elem	3	D	4.1	L	N	

Comment	Remedial Works
Protective paint top coat chipped and flaking to wing walls and pilasters	[none]

**GUTTERIDGE HALL BRIDGE - Span 1**

**Safety Elements**



**Span 1 - West Carriageway Surfacing**  
 Asphalt breaking up in APJ

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
24	Carriageway surfacing	24/Carriageway surfacing	2	B	9.2	M	N	

Comment	Remedial Works
Carriageway cracked and eroded in centre of joint to the west side in APJ surfacing on northbound carriageway. Carriageway cracked along edges of APJ joint across both lanes.	[none]



**Span 1 - East Carriageway**  
 Cracks along APJ edges across carriageway

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
24	Carriageway surfacing	24/Carriageway surfacing	2	B	9.2	M	N	

Comment	Remedial Works
Carriageway cracked and eroded in centre of joint to the west side in APJ surfacing on northbound carriageway. Carriageway cracked along edges of APJ joint across both lanes.	[none]

**GUTTERIDGE HALL BRIDGE - Span 1**

**Safety Elements**



**Span 1 - South East Substructure Carriageway**  
 Concrete crack

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
24	Carriageway surfacing	24/Carriageway surfacing	3	B	2.2	M	N	

Comment	Remedial Works
Lower substructure carriageway transverse crack across width open hairline (south side ) to 10mm (north side)	[none]



**Span 1 - South West Footway**  
 Vegetation build up around APJ on footway.

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
25	Footway/verge/footbridge surfacing	25/Fway/verge/fbrdge surfacing	3	C	5.1	H	Y	0.4

Comment	Remedial Works
Soil and vegetation build up level with APJ on east and west footway (probable contributor to water ingress). Grass growing to front of both footways.	Remove Vegetation

**GUTTERIDGE HALL BRIDGE - Span 1**

**Safety Elements**



**Span 1 - East Footway**  
 Footway cracked and sunk

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
25	Footway/verge/footbridge surfacing	25/Fway/verge/fbrdge surfacing	3	B	9.2	L	N	

Comment	Remedial Works
East footway cracked and sunk adjacent to AJP. Minor multiple transverse cracks to east footway.	[none]



**Span 1 - West Buttress**  
 Minor rotation to buttress.

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
30	Revetment/batter paving	30/Revetment/batter paving	2	B	6.4	M	N	

Comment	Remedial Works
Minor rotation of concrete stop end buttresses at top corners of revetment both sides, separation of 20mm from adjacent pilaster.	[none]

**GUTTERIDGE HALL BRIDGE - Span 1**

**Other Bridge Elements**



**Span 1 - East Substructure**  
 Staining from dripping weep holes.

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
30	Revetment/batter paving	30/Revetment/batter paving	2	B	20.1	L	N	

Comment	Remedial Works
Weep holes dripping water and staining south bearing shelf, abutment and revetment.	[none]



**Span 1 - South East Embankment**  
 Animal habitat undermining elements

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
33	Embankments	33/Embankments	3	B	11.1	L	N	

Comment	Remedial Works
Large/ deep rabbit (or other animal) holes at top of south west and south east embankment, directly next to wingwall.	[none]

**GUTTERIDGE HALL BRIDGE - Span 2**

**Safety Elements**



**Span 2 - East Carriageway**  
 Patches of carriageway erosion across both lanes.

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
24	Carriageway surfacing	24/Carriageway surfacing	2	C	9.1	L	N	

Comment	Remedial Works
Carriageway wearing coarse top layer eroding in patches across both carriageway lanes.	[none]



**Span 2 - East Footway**  
 Minor cracks to footway

No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
25	Footway/verge/footbridge surfacing	25/Fway/verge/fbrdge surfacing	2	D	9.2	L	N	

Comment	Remedial Works
Minor shallow transverse and longitudinal cracks to east footway surface and APJ.	[none]

**GUTTERIDGE HALL BRIDGE - Span 2**

**Safety Elements**

**Span 2 - West Footway**

Vegetation build up to footway front edge and joints.



No	Element Name	Element Description	Sev	Ext	Defect	Priority	Works	Cost £k
25	Footway/verge/footbridge surfacing	25/Fway/verge/fbrdge surfacing	3	B	5.1	M	Y	0.2

**Comment**

Large vegetation and debris build up on west side of footway above APJ. grasses/ weeds growing to front and back of both footways.

**Remedial Works**

remove Vegetation

## Photo Location Plans

No photo location plans added. Plans must be added to the inspection's folder with Document type: Defect Location Plan.  
Supported file types: .jpeg .png .bmp

## Defect Location Plans

No Defect Location Plans added. Plans must be added to the inspection's folder with Document type: Defect Location Plan.  
Supported file types: .jpeg .png .bmp

## General Arrangement Drawings

No General Arrangement Drawings added. Drawings must be added to the inspection's folder with Document type: General Arrangement Drawings.  
Supported file types: .jpeg .png .bmp

# Hazard Assessment Sheet

Assessment date: 30/11/2022

Assessed by: **R12(3)/**

Comments:

## Access Information:

Parked Van on South East Verge - Fast Traffic!

## Hazards/Risks Applicable to this Structure

### Parking of vehicle

Hazard Ref	Hazard Description	Hazard Exists?	Comments:
1	Causing obstruction to carriageway or pedestrians	<input type="checkbox"/>	
2	Parking on private property	<input type="checkbox"/>	
3	Getting stuck	<input type="checkbox"/>	
4	Obstructing access to properties or land	<input type="checkbox"/>	
5	No problems	<input checked="" type="checkbox"/>	

### Inspection of elements above structure

Hazard Ref	Hazard Description	Hazard Exists?	Comments:
6	Fast moving traffic	<input checked="" type="checkbox"/>	
7	Poor visibility	<input type="checkbox"/>	
8	Narrow road	<input type="checkbox"/>	
9	No refuges/verges	<input type="checkbox"/>	
10	No problems	<input type="checkbox"/>	

### Access to sub-structure elements

Hazard Ref	Hazard Description	Hazard Exists?	Comments:
11	Steep/slippery embankments	<input checked="" type="checkbox"/>	
12	Dense vegetation	<input type="checkbox"/>	
13	Fencing	<input checked="" type="checkbox"/>	
14	Barbed wire	<input type="checkbox"/>	
15	Animals	<input type="checkbox"/>	
16	Security devices	<input type="checkbox"/>	
17	Private landowners	<input checked="" type="checkbox"/>	Span 2 Railway.
18	High wing walls/unprotected	<input type="checkbox"/>	
19	No problems	<input type="checkbox"/>	

### Inspection of sub-structure elements

Hazard Ref	Hazard Description	Hazard Exists?	Comments:
20	Structure has limited headroom	<input type="checkbox"/>	
21	Structure is poorly lit	<input type="checkbox"/>	
22	The structure is submerged	<input type="checkbox"/>	
23	Both ends are not visible	<input type="checkbox"/>	
24	Watercourse is deep/fast or polluted	<input type="checkbox"/>	
25	Invert is uneven/unstable or soft	<input type="checkbox"/>	
26	Invert is not visible	<input type="checkbox"/>	
27	Structure requires working from height	<input type="checkbox"/>	
28	Structure requires confined space access	<input type="checkbox"/>	
29	Structure needs to be inspected using a boat	<input type="checkbox"/>	
30	No problems	<input type="checkbox"/>	

### Bearing Inspection

Hazard Ref	Hazard Description	Hazard Exists?	Comments:
31	Elevated platform will be needed	<input type="checkbox"/>	
32	No problems	<input checked="" type="checkbox"/>	

### Services

Hazard Ref	Hazard Description	Hazard Exists?	Comments:
33	Overhead services	<input type="checkbox"/>	
34	Buried services i.e. apparatus/covers/chambers	<input type="checkbox"/>	

# Environment Awareness Sheet

Survey date: 30/11/2022

Name of inspector: R12(3) /

## General details of structure

Location: Rural  Urban   
Structure Spans: Water  Carriageway  Railway

## Asbestos Management

Asbestos exists?: Don't Know

Date of asbestos report:

Comments:

Last updated by: R12(3) / R13

Last updated: 29/01/2025

## Inspection of structure surroundings

Water Quality: Good  Medium  Poor

Are there any green plants growing submerged in the water?

Are there any plants extending out of the water?

Is gravel visible on the invert of the riverbed of the structure?

**Bird nests:** **Bird droppings:**

In surrounding vegetation  In surrounding vegetation

On the structure  On the structure

**Holes in the ground:** **Bank side vegetation:**

Short grass

Large > 250mm  Long grass

Medium 100 - 250mm  Brambles & Scrub

Small < 100mm  Trees

**Animal tracks?**

**Additional comments:**

**Animal droppings?** To upper embankments adjacent all 4 external wingwalls deep animal burrows.

**Additional comments:**

**Degree of traffic disturbance:** **Accessibility to humans:**

Light  Open

Medium  Moderate

Heavy  Difficult

## Inspection of structure

**Structural features:** Voids:  Large cracks  Ledges:

Bats visible  Newts

Bat droppings  Lizards/Snakes

Oily stains around cracks  Bird Boxes

Scratch Marks

**Other signs of animal occupation:**

**Additional Comments:**