

		BRIDGE & STRUCTURE EXAMINATION REPORT Network Rail Rapid Response - Non-Vehicle Examination													
ELR: BKE		Contract Mileage: 037m 0638yds 29chs					Struc. Ref: 37 29 B/O								
Examination Type:		Rapid Response - Non-Vehicle Examination		CARRS Exam ID:				No of Spans:		3		Exam Date		11/05/2024	
NR Route:		WR-EC			CARRS GUID:		3978559C421545D9E04400306E4AD01A								
Structure Name:		BATH ROAD OVER BRIDGE				Type:		BO		OS Ref:		SU7004072662			
Line Name:		READING WESTBURY LINE JUNCTION <W.R.> - BASINGSTOKE STATION <S.R.>													
Section A: To Be Completed By The Examining Organisation															
PARTS NOT EXAMINED (EXCLUDING FOUNDATIONS)															
None															
ITEM	DESCRIPTION	LOCATION	Est. Cost £k +/- 20%	Priority Within	Quantity	Severity	Probability	Risk Score	Works Category						
1	Remove loose, missing and spalled brickwork and repair (re-case) as previously recommended. Repoint deep open joints to spandrel/face rings as required. Further, break out and recase any remaining facering brickwork where longitudinal fracturing is present to the immediate rear	Centre span 2 H/M upside spandrel/face rings	5	Immed	2.5 m2	5	4	M2 0	Brickwork/Stone Repairs						
History of Live Significant Defects															
No	Description	Location	Exam Date	Access Gained	Exam Type	Rec Raised	Risk Score	Access Req'd	Deterioration	Repaired	Flagged for Closure	Engineer Comments			
322 96	Badger sett	Adjacent to upside abutment	27/07/19	Yes	D		10	No	Baseline	N/A	No	NULL			
322 96	Badger sett	Adjacent to upside abutment	26/08/20	Yes	V		10	No	No	N/A	No	NULL			
322 96	Badger sett	Adjacent to upside abutment	12/12/21	Yes	V	Y	10	No	No	No	No	No change			
322 96	Badger sett	Adjacent to upside abutment	13/11/22	Yes	V	Y	10	No	No	No	No				
322 96	Badger sett	Adjacent to upside abutment	07/11/23	No	V	Y	10	Yes	Not Viewed	N/A	No	Clear veg to gain access			
322 98	Full height diagonal fracture up to 10mm wide	Downside low mileage wingwall parapet	27/07/19	Yes	D		6	No	Baseline	N/A	No	NULL			



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322 98	Full height diagonal fracture up to 10mm wide	Downside low mileage wingwall parapet	26/08/20	Yes	V		6	No	No	N/A	No	NULL
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322 98	Full height diagonal fracture up to 10mm wide	Downside low mileage wingwall parapet	12/12/21	Yes	V	Y	6	No	No	No	No	No change
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322 98	Full height diagonal fracture up to 10mm wide	Downside low mileage wingwall parapet	13/11/22	Yes	V	Y	6	No	No Deterioration	N/A	No	.
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322 98	Full height diagonal fracture up to 10mm wide	Downside low mileage wingwall parapet	07/11/23	Yes	V	Y	6	No	No Deterioration	No	No	.
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322 99	Horizontal fracture up to 7mm wide, overriding 40mm x 6m long/2 vertical fractures up to 10mm wide	Upside low mileage wingwall parapet	27/07/19	Yes	D		6	No	Baseline	N/A	No	NULL
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322 99	Horizontal fracture up to 7mm wide, overriding 40mm x 6m long/2 vertical fractures up to 10mm wide	Upside low mileage wingwall parapet	26/08/20	No	V		6	No	Not Viewed	N/A	No	NULL
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322 99	Horizontal fracture up to 7mm wide, overriding 40mm x 6m long/2 vertical fractures up to 10mm wide	Upside low mileage wingwall parapet	12/12/21	No	V	Y	6	Yes	Not Viewed	No	No	Unable to view
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322 99	Horizontal fracture up to 7mm wide, overriding 40mm x 6m long/2 vertical fractures up to 10mm wide	Upside low mileage wingwall parapet	13/11/22	Yes	V	Y	6	No	No	No	No	.
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322 99	Horizontal fracture up to 7mm wide, overriding 40mm x 6m long/2 vertical fractures up to 10mm wide	Upside low mileage wingwall parapet	07/11/23	Yes	V	Y	6	No	No	No	No	.
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323 00	Longitudinal fracture up to 5mm wide x 950mm wide	Span 2 arch barrel, upside haunch	27/07/19	Yes	D		6	No	Baseline	N/A	No	NULL
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323 00	Longitudinal fracture up to 5mm wide x 950mm wide	Span 2 arch barrel, upside haunch	26/08/20	Yes	V		6	No	No	N/A	No	NULL
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323 00	Longitudinal fracture up to 5mm wide x 950mm wide	Span 2 arch barrel, upside haunch	12/12/21	Yes	V	Y	6	No	No	No	No	Point and tab
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323 00	Longitudinal fracture up to 5mm wide x 950mm wide	Span 2 arch barrel, upside haunch	07/11/23	Yes	V	Y	6	No	Cannot Determine	No	No	ground floor exam only
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323 01	Loose to hammer/dropped brickwork, 2sqm	Span 2, high mileage face rings	27/07/19	Yes	D		12	No	Baseline	N/A	No	NULL
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323 01	Loose to hammer/dropped brickwork, 2sqm	Span 2, high mileage face rings	26/08/20	Yes	V		12	No	No	N/A	No	NULL
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Struc. Ref: 37 29 B/O

Examination Type:	Rapid Response - Non-Vehicle Examination	CARRS Exam ID:		No of Spans:	3	Exam Date	11/05/2024
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323 01	Loose to hammer/dropped brickwork, 2sqm	Span 2, high mileage face rings	12/12/21	Yes	V	Y	12	No	No	No	No	Repair
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323 01	Loose to hammer/dropped brickwork, 2sqm	Span 2, high mileage face rings	13/11/22	Yes	V	Y	12	No	No	No	No	.
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323 01	Loose to hammer/dropped brickwork, 2sqm	Span 2, high mileage face rings	07/11/23	Yes	V	Y	12	No	Cannot Determine	N/A	No	ground floor exam only
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323 01	Loose to hammer/dropped brickwork, 2sqm. Update – 7no bricks fallen from U/S haunch May '24	Span 2, high mileage face rings	11/05/24	Yes	RR	Y	20	Yes	Yes	No	No	7 no bricks fell onto the open Up line. Description updated. Examiner notes risk of further bricks falling. RS increased.
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323 03	Open joints up to 270mm deep, 1sqm	Upside end of span 2 high mileage spandrel	27/07/19	Yes	D		6	No	Baseline	N/A	No	NULL
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323 03	Open joints up to 270mm deep, 1sqm	Upside end of span 2 high mileage spandrel	26/08/20	Yes	V		6	No	No	N/A	No	NULL
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323 03	Open joints up to 270mm deep, 1sqm	Upside end of span 2 high mileage spandrel	12/12/21	Yes	V	Y	6	No	No	No	No	Repoint
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323 03	Open joints up to 270mm deep, 1sqm	Upside end of span 2 high mileage spandrel	13/11/22	Yes	V	Y	6	No	No	No	No	.
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323 03	Open joints up to 270mm deep, 1sqm	Upside end of span 2 high mileage spandrel	07/11/23	Yes	V	Y	6	No	No Deterioration	No	No	ground floor exam only
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323 07	Spalled concrete up to 15mm deep and exposed reinforcement, 1sqm	Downside high mileage reinforced concrete footpath extension	27/07/19	Yes	D		6	No	Baseline	N/A	No	NULL
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323 07	Spalled concrete up to 15mm deep and exposed reinforcement, 1sqm	Downside high mileage reinforced concrete footpath extension	26/08/20	Yes	V		6	No	No	N/A	No	NULL
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323 07	Spalled concrete up to 15mm deep and exposed reinforcement, 1sqm	Downside high mileage reinforced concrete footpath extension	12/12/21	Yes	V	Y	6	No	No	No	No	Repair
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323 07	Spalled concrete up to 15mm deep and exposed reinforcement, 1sqm	Downside high mileage reinforced concrete footpath extension	13/11/22	Yes	V	Y	6	No	No	No	No	.
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323 07	Spalled concrete up to 15mm deep and exposed reinforcement, 1sqm	Downside high mileage reinforced concrete footpath extension	07/11/23	No	V	Y	6	Yes	Not Viewed	N/A	No	Unviewed at this exam Scored as before
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Struc. Ref: 37 29 B/O

Examination Type:	Rapid Response - Non-Vehicle Examination		CARRS Exam ID:					No of Spans:		3	Exam Date	11/05/2024
323 08	Top 2 courses lifting and displaced up to 20mm, full length	Upside high mileage wingwall parapet	27/07/19	Yes	D		6	No	Baseline	N/A	No	NULL
323 08	Top 2 courses lifting and displaced up to 20mm, full length	Upside high mileage wingwall parapet	26/08/20	Yes	V		6	No	No	N/A	No	NULL
323 08	Top 2 courses lifting and displaced up to 20mm, full length	Upside high mileage wingwall parapet	12/12/21	Yes	V	Y	6	No	No	No	No	Re-bed
323 08	Top 2 courses lifting and displaced up to 20mm, full length	Upside high mileage wingwall parapet	13/11/22	Yes	V	Y	6	No	No	No	No	.
323 08	Top 2 courses lifting and displaced up to 20mm, full length	Upside high mileage wingwall parapet	07/11/23	Yes	V	Y	6	No	No Deterioration	No	No	.
323 09	Vertical stepped fracture up to 90mm wide, displaced 22mm x 2m long	Upside low mileage wingwall parapet, 9m from downside end	27/07/19	Yes	D		8	No	Baseline	N/A	No	NULL
323 09	Vertical stepped fracture up to 90mm wide, displaced 22mm x 2m long	Upside low mileage wingwall parapet, 9m from downside end	26/08/20	No	V		8	No	Not Viewed	N/A	No	NULL
323 09	Vertical stepped fracture up to 90mm wide, displaced 22mm x 2m long	Upside low mileage wingwall parapet, 9m from downside end	12/12/21	Yes	V	Y	8	No	No	No	No	Point in
323 09	Vertical stepped fracture up to 90mm wide, displaced 22mm x 2m long	Upside low mileage wingwall parapet, 9m from downside end	13/11/22	Yes	V	Y	8	No	No	No	No	.
323 09	Vertical stepped fracture up to 90mm wide, displaced 22mm x 2m long	Upside low mileage wingwall parapet, 9m from downside end	07/11/23	Yes	V	Y	8	No	No	No	No	.
323 10	PNE - Inaccessible, overgrown vegetation	WWL's and abutments	07/11/23	No	V	Y	8	Yes	Baseline	No	No	Repeat of previous recommendation to Clear vegetation from wingwalls and abutments, treat to prevent re-growth to complete future compliant examination and known defects to be examined.
454 320	Loose spalled brickwork and one missing brick fallen into cess from spandrel	Centre span 2 H/M upside spandrel/face rings	19/01/24	Yes	RR	Y	20	Yes	Baseline	No	No	Remove loose bricks, rake out spalled brickwork back to sound material and repair.

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Examination Type:		Rapid Response - Non-Vehicle Examination		CARRS Exam ID:				No of Spans:		3		Exam Date		11/05/2024	
454 320	Loose spalled brickwork and one missing brick fallen into cess from spandrel	Centre span 2 H/M upside spandrel/face rings	11/05/24	Yes	RR	Y	20	Yes	Yes	No	No	Further brickwork fallen as noted against defect 32301			
This report has been produced during the re-numbering of the defect tracker. The below has been provided for information to maintain continuity of referencing: Defect tracking item - 32296 - Badger sett - Historic reference no - 27618 Defect tracking item - 32298 - Full height diagonal fracture up to 10mm wide - Historic reference no - 27614 Defect tracking item - 32299 - Horizontal fracture up to 7mm wide, overriding 40mm x 6m long/2 vertical fractures up to 10mm wide - Historic reference no - 27619 Defect tracking item - 32300 - Longitudinal fracture up to 5mm wide x 950mm wide - Historic reference no - 27616 Defect tracking item - 32301 - Loose to hammer/dropped brickwork, 2sqm - Historic reference no - 27622 Defect tracking item - 32303 - Open joints up to 270mm deep, 1sqm - Historic reference no - 27621 Defect tracking item - 32307 - Spalled concrete up to 15mm deep and exposed reinforcement, 1sqm - Historic reference no - 27615 Defect tracking item - 32308 - Top 2 courses lifting and displaced up to 20mm, full length - Historic reference no - 27617 Defect tracking item - 32309 - Vertical stepped fracture up to 90mm wide, displaced 22mm x 2m long - Historic reference no - 27620 Defect tracking item - 454320 - Loose spalled brickwork and one missing brick fallen into cess from spandrel - Historic reference no - 32311															
Engineers Notes:-															
Signed For Employer				Name		James Copestick		Date		11-05-2024					



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Rapid Response - Non-Vehicle Examination



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Examination Type:	Rapid Response - Non-Vehicle Examination	CARRS Exam ID:		No of Spans:	3	Exam Date	11/05/2024
NR Route:	WR-EC			CARRS GUID:	3978559C421545D9E04400306E4AD01A		
Structure Name:	BATH ROAD OVER BRIDGE			Type:	BO	OS Ref:	SU7004072662
Line Name:	READING WESTBURY LINE JUNCTION <W.R.> - BASINGSTOKE STATION <S.R.>						

Date of Last Visual Exam: 17/11/23 Date of Last Detailed Exam: 27/07/19
Time of Incident 07:55:00 Fault No: 2477 NR ID:

Examiners Damage Report

See continuation sheet.

Has the structure been viewed under load? -

SIGNED

EXAMINERS
NAME

Darren Druce

DATE

11/05/2024

XEIAD Comments & Recommendations

See attached Summary Sheet

☒

Notes for attention

Further action required / query

☐

No action required at present

☐

SIGNED

ENGINEER

James Copestick

DATE

11/05/2024

Network Rail Comments & Actions

Signed

SME

Date



BRIDGE & STRUCTURE EXAMINATION REPORT
Network Rail
Rapid Response - Non-Vehicle Examination



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Arrived on site at 08.50 after reports from a train driver of fallen brickwork in the Up Westbury line below span no 2 (track span) of Bath road over bridge. On Inspection approx 7 no bricks to the high mileage bottom arch ring at the quarter point was missing above the up Westbury line of span 2 as viewed through binoculars, the fallen brickwork was removed from the four foot area, there is likely hood of further bricks falling due to deep spalling to this area . Confirmed line speed with the signaller at 09.04 left site at 09.15 (see photographs).
CSC N0- 2477.



Photo No 1 - Low mileage elevation 11/05/24 -



Photo No 2 - High mileage elevation 11/05/24 -



Photo No 3 - Bridge ID sign 11/05/24 -



Photo No 4 - Showing missing brickwork to bottom ring 11/05/24 -



Photo No 5 - Showing missing brickwork to bottom ring 11/05/24 -



Photo No 6 - Showing missing brickwork to bottom ring 11/05/24 -



Photo No 7 - Showing missing brickwork to bottom ring 11/05/24 -



Photo No 8 - Showing fallen brickwork in the up Westbury line 11/05/24 -