

		NETWORK RAIL										
BRIDGE VISUAL												
ELR: LJT1		Contract Mileage: 001 m 1501 yds 68.23 ch						Struc. Ref 2				
Examination Type: Bridge Visual					NR ID: 12014803			Exam Date: 4-Aug-2022				
Area: Central West					BRS: 0			OS Ref: SH80007550				
Structure Name: MILL RIVER					Type: BU			Exam ID: 14462979				
Route: Betws-y-Coed Branch								Complete Exam: No				
Section A: To Be Completed By The Examining Organisation												
HIDDEN PARTS NOT EXAMINED (EXCLUDING FOUNDATIONS)			Part				Reason					
ITEM	DESCRIPTION	LOCATION	Est. Cost £ +/- 20%	Priority Within	Quantity	Severity	Probability	Risk Score	Works Category			
1	Consider the need to undertake a hydraulic assessment and install appropriately graded rock armour over the previously noted area of active scour/ undercutting to prevent further deterioration. Previous recommendation.	Both U/S (Downstream) Revetments and Edge of Invert.	3000.00	1yr	5 m	3	3	M9	Foundation Works			
2	Install Limited Clearance Signage. NB Clearance U/S 1.460m and D/S 1.600m Min Measured at Detailed Examination. Previous recommendation.	U/S and D/S Track Level Approaches.	1000.00	1yr	4 unit	5	1	E5	Other			
3	Remove area of loose and spalled concrete, clean and treat exposed reinforcement and carry out concrete repair using a proprietary concrete repair product. Previous recommendation	Soffit of U/S Outer Main Deck Units.	2000.00	1yr	0.5 m2	3	2	S6	Concrete Repairs			
History of Live Significant Defects												
No	Description	Location	Exam Date	Access Gained	Exam Type	Rec Raised	Risk Score	Access Req'd	Deter - ioration	Repaired	Flagged for Closure	Engineer Comments
4	Deteriorated Handrailing (Bottom Rail Fractured and Displaced; D/S HM Post Spalled).	Across D/S Deck Level.	16/08/15	N	U.WA T	NV	4	N	NV	N	N	Location Beyond Scope of Underwater Examination.
4	Deteriorated Handrailing (Bottom Rail Fractured and Displaced; D/S HM Post Spalled).	Across D/S Deck Level.	21/09/15	Y	V	N	4	Y	Baseline	N	N	RF still intact.
4	Deteriorated Handrailing (Bottom Rail Fractured and Displaced; D/S HM Post Spalled).	Across D/S Deck Level.	25/08/16	N	V	N	4	N	N	N	N	NFD
4	Deteriorated Handrailing (Bottom Rail Fractured and Displaced; D/S HM Post Spalled).	Across D/S Deck Level.	06/07/17	Y	D	Y	8	N	Y	N	N	.
4	Deteriorated Handrailing (Bottom Rail Fractured and Displaced; D/S HM Post Spalled).	Across D/S Deck Level.	23/11/17	Y	V	Y	8	N	N	N	N	No change
4	Deteriorated Handrailing (Bottom Rail Fractured and Displaced; D/S HM Post Spalled).	Across D/S Deck Level.	05/06/18	Y	V	N	5	N	N	N	N	NFD revised to 5x1=5. Review next exam.
4	Deteriorated Handrailing (Bottom Rail Fractured and Displaced; D/S HM Post Spalled).	Across D/S Deck Level.	20/06/19	Y	V	N	5	N	N	N	N	NFD. Review next exam.
4	Deteriorated Handrailing (Bottom Rail Fractured and Displaced; D/S HM Post Spalled).	Across D/S Deck Level.	18/04/20	Y	V	N	5	N	N	N	N	Little deterioration noted, review next exam

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No	Description	Location	Exam Date	Access Gained	Exam Type	Rec Raised	Risk Score	Access Req'd	Deter - ioration	Repaired	Flagged for Closure	Engineer Comments	
4	Deteriorated Handrailing (Bottom Rail Fractured and Displaced; D/S HM Post Spalled).	Across D/S Deck Level.	07/06/21	Y	V	N	5	N	N	N	N	Little deterioration noted	
4	Deteriorated Handrailing (Bottom Rail Fractured and Displaced; D/S HM Post Spalled).	Across D/S Deck Level.	04/08/22	Y	V	N	5	N	N	N	N	Little deterioration noted	
5	Active Scour/ Undermining (2m Long; 300mm High; Max Penetration 300mm).	U/S HM Revetment.	16/08/15	Y	U.WA T	Y	9	N	Baseline	N	N	.	
5	Active Scour/ Undermining (2m Long; 300mm High; Max Penetration 300mm).	U/S HM Revetment.	25/08/16	Y	V	Y	9	N	N	N	N	NFD	
5	Active Scour/ Undermining (2m Long; 300mm High; Max Penetration 300mm).	U/S HM Revetment.	06/07/17	N	D	Y	9	Y	NV	N	N	Unable to Examine. Underwater Examination Required.	
5	Active Scour/ Undermining (2m Long; 300mm High; Max Penetration 300mm).	U/S HM Revetment.	23/11/17	N	V	Y	9	Y	Cannot Determine	N	N	not accessed	
5	Active Scour/ Undermining (2m Long; 300mm High; Max Penetration 300mm).	U/S HM Revetment.	05/06/18	Y	V	Y	9	N	N	N	N	Not actioned	
5	Active Scour/ Undermining (2m Long; 300mm High; Max Penetration 300mm).	U/S HM Revetment.	20/06/18	Y	U.WA T	Y	10	N	Y	N	N	.	
5	Active Scour/ Undermining (2m Long; 300mm High; Max Penetration 300mm).	U/S HM Revetment.	20/06/19	Y	V	Y	9	N	N	N	N	Little deterioration	
5	Active Scour/ Undermining (2m Long; 300mm High; Max Penetration 300mm).	U/S HM Revetment.	18/04/20	Y	V	Y	9	N	N	N	N	Little deterioration noted. Last exam showed risk as 3x3 not 10.	
5	Active Scour/ Undermining (2m Long; 300mm High; Max Penetration 300mm).	U/S HM Revetment.	07/06/21	Y	V	Y	9	N	Cannot Determine	N	N	Examiner cannot determine	
5	Active Scour/ Undermining (2m Long; 300mm High; Max Penetration 300mm).	U/S HM Revetment.	04/08/22	Y	V	Y	9	N	Cannot Determine	N	N	Examiner cannot determine	
6	Active Scour/ Undermining (3m Long; 400mm High; Max Penetration 300mm).	U/S LM Revetment.	16/08/15	Y	U.WA T	Y	9	N	Baseline	N	N	.	
6	Active Scour/ Undermining (3m Long; 400mm High; Max Penetration 300mm).	U/S LM Revetment.	25/08/16	Y	V	Y	9	N	N	N	N	NFD	
6	Active Scour/ Undermining (3m Long; 400mm High; Max Penetration 300mm).	U/S LM Revetment.	06/07/17	N	D	Y	9	Y	NV	N	N	Unable to Examine. Underwater Examination Required.	
6	Active Scour/ Undermining (3m Long; 400mm High; Max Penetration 300mm).	U/S LM Revetment.	23/11/17	N	V	Y	9	Y	Cannot Determine	N	N	not accessed	

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6	Active Scour/ Undermining (3m Long; 400mm High; Max Penetration 300mm).	U/S LM Revetment.	05/06/18	Y	V	Y	9	N	N	N	N	Not actioned	
6	Active Scour/ Undermining (3m Long; 400mm High; Max Penetration 300mm).	U/S LM Revetment.	20/06/18	Y	U.WA T	Y	10	N	Y	N	N	.	
6	Active Scour/ Undermining (3m Long; 400mm High; Max Penetration 300mm).	U/S LM Revetment.	20/06/19	Y	V	Y	9	N	N	N	N	Little deterioration	
6	Active Scour/ Undermining (3m Long; 400mm High; Max Penetration 300mm).	U/S LM Revetment.	18/04/20	Y	V	Y	9	N	N	N	N	Little deterioration noted. Last exam showed risk as 3x3 not 10.	
6	Active Scour/ Undermining (3m Long; 400mm High; Max Penetration 300mm).	U/S LM Revetment.	07/06/21	Y	V	Y	9	N	Cannot Determine	N	N	Examiner cannot determine	
6	Active Scour/ Undermining (3m Long; 400mm High; Max Penetration 300mm).	U/S LM Revetment.	04/08/22	Y	V	Y	9	N	Cannot Determine	N	N	Examiner cannot determine	
7	Active Scour/ Undermining (1300mm Over Approx 20m2).	Downstream Edge of Invert.	16/08/15	Y	U.WA T	N	4	N	Baseline	N	N	.	
7	Active Scour/ Undermining (1300mm Over Approx 20m2).	Downstream Edge of Invert.	25/08/16	Y	V	Y	4	N	N	N	N	NFD	
7	Active Scour/ Undermining (1300mm Over Approx 20m2).	Downstream Edge of Invert.	06/07/17	N	D	Y	9	Y	NV	N	N	Unable to Examine. Underwater Examination Required.	
7	Active Scour/ Undermining (1300mm Over Approx 20m2).	Downstream Edge of Invert.	23/11/17	N	V	Y	9	Y	Cannot Determine	N	N	not accessed	
7	Active Scour/ Undermining (1300mm Over Approx 20m2).	Downstream Edge of Invert.	05/06/18	Y	V	Y	9	N	N	N	N	Not actioned	
7	Active Scour/ Undermining (1300mm Over Approx 20m2).	Downstream Edge of Invert.	20/06/18	Y	U.WA T	Y	12	N	Y	N	N	Previously 400 to 600mm Over Approx 2.5m2.	
7	Active Scour/ Undermining (1300mm Over Approx 20m2).	Downstream Edge of Invert.	20/06/19	Y	V	Y	9	N	N	N	N	Cannot determine	
7	Active Scour/ Undermining (1300mm Over Approx 20m2).	Downstream Edge of Invert.	18/04/20	Y	V	Y	9	N	Y	N	N	Little deterioration noted. Last exam showed risk as 3x3 not 12.	
7	Active Scour/ Undermining (1300mm Over Approx 20m2).	Downstream Edge of Invert.	07/06/21	Y	V	Y	9	N	Cannot Determine	N	N	Examiner cannot determine	
7	Active Scour/ Undermining (1300mm Over Approx 20m2).	Downstream Edge of Invert.	04/08/22	Y	V	Y	9	N	Cannot Determine	N	N	Examiner cannot determine	
8	Spalled Concrete and Exposed Primary Reinforcement (0.5m2).	Soffit of U/S Outer Main Deck Units.	25/08/16	Y	V	Y	6	N	Baseline	N	N	3x2=6 as reported primary RF exposed.	
8	Spalled Concrete and Exposed Primary Reinforcement (0.5m2).	Soffit of U/S Outer Main Deck Units.	06/07/17	Y	D	Y	6	N	Y	N	N	.	

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No	Description	Location	Exam Date	Access Gained	Exam Type	Rec Raised	Risk Score	Access Req'd	Deter - ioration	Repaired	Flagged for Closure	Engineer Comments	
8	Spalled Concrete and Exposed Primary Reinforcement (0.5m2).	Soffit of U/S Outer Main Deck Units.	23/11/17	Y	V	Y	6	N	Y	N	N	Slight change	
8	Spalled Concrete and Exposed Primary Reinforcement (0.5m2).	Soffit of U/S Outer Main Deck Units.	05/06/18	Y	V	Y	6	N	N	N	N	Not actioned	
8	Spalled Concrete and Exposed Primary Reinforcement (0.5m2).	Soffit of U/S Outer Main Deck Units.	20/06/19	Y	V	Y	6	N	N	N	N	NFD	
8	Spalled Concrete and Exposed Primary Reinforcement (0.5m2).	Soffit of U/S Outer Main Deck Units.	18/04/20	Y	V	Y	6	N	N	N	N	Little deterioration noted, review next exam	
8	Spalled Concrete and Exposed Primary Reinforcement (0.5m2).	Soffit of U/S Outer Main Deck Units.	07/06/21	N	V	Y	6	Y	NV	N	N	Not viewed	
8	Spalled Concrete and Exposed Primary Reinforcement (0.5m2).	Soffit of U/S Outer Main Deck Units.	04/08/22	Y	V	Y	6	Y	N	N	N	Little deterioration noted	
9	No Limited Clearance Signage. NB Clearance U/S 1.460m and D/S 1.600m Min Measured at Detailed Examination.	U/S and D/S Track Level Approaches.	06/07/17	Y	D	Y	10	N	N/A	N	N	NB Clearance U/S 1.460m and D/S 1.600m Min Measured at Detailed Examination.	
9	No Limited Clearance Signage. NB Clearance U/S 1.460m and D/S 1.600m Min Measured at Detailed Examination.	U/S and D/S Track Level Approaches.	23/11/17	Y	V	Y	10	N	N	N	N	No change	
9	No Limited Clearance Signage. NB Clearance U/S 1.460m and D/S 1.600m Min Measured at Detailed Examination.	U/S and D/S Track Level Approaches.	05/06/18	Y	V	Y	10	N	N	N	N	Not actioned	
9	No Limited Clearance Signage. NB Clearance U/S 1.460m and D/S 1.600m Min Measured at Detailed Examination.	U/S and D/S Track Level Approaches.	20/06/19	Y	V	Y	10	N	N	N	N	NFD	
9	No Limited Clearance Signage. NB Clearance U/S 1.460m and D/S 1.600m Min Measured at Detailed Examination.	U/S and D/S Track Level Approaches.	18/04/20	Y	V	Y	5	N	N	N	N	Single line, revised to 5x1	
9	No Limited Clearance Signage. NB Clearance U/S 1.460m and D/S 1.600m Min Measured at Detailed Examination.	U/S and D/S Track Level Approaches.	07/06/21	Y	V	Y	5	N	N	N	N	Not actioned	

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History of Live Significant Defects													
No	Description	Location	Exam Date	Access Gained	Exam Type	Rec Raised	Risk Score	Access Req'd	Deter - ioration	Repaired	Flagged for Closure	Engineer Comments	
9	No Limited Clearance Signage. NB Clearance U/S 1.460m and D/S 1.600m Min Measured at Detailed Examination.	U/S and D/S Track Level Approaches.	04/08/22	Y	V	Y	5	N	N	N	N	Not actioned	
11	Open Core Holes (NB Cores presumably extend to/ beyond foundations and are now allowing water to access this area).	HM ABT Elevation.	06/07/17	Y	D	Y	9	N	Baseline	N	N	NB Cores presumably extend to/ beyond foundations and are now allowing water to access this area.	
11	Open Core Holes (NB Cores presumably extend to/ beyond foundations and are now allowing water to access this area).	HM ABT Elevation.	23/11/17	Y	V	Y	9	N	N	N	N	No change	
11	Open Core Holes (NB Cores presumably extend to/ beyond foundations and are now allowing water to access this area).	HM ABT Elevation.	05/06/18	Y	V	N	6	N	N	N	N	Risk revised to 3x2=6. Cores taken to prove foundation depths.	
11	Open Core Holes (NB Cores presumably extend to/ beyond foundations and are now allowing water to access this area).	HM ABT Elevation.	20/06/18	N	U.WA T	NV	4	N	NV	N	N	Not Noted at This Examination.	
11	Open Core Holes (NB Cores presumably extend to/ beyond foundations and are now allowing water to access this area).	HM ABT Elevation.	20/06/19	N	V	N	6	Y	NV	N	N	Not veiwed	
11	Open Core Holes (NB Cores presumably extend to/ beyond foundations and are now allowing water to access this area).	HM ABT Elevation.	18/04/20	Y	V	N	4	N	N	N	N	Little deterioration noted, review next exam.	
11	Open Core Holes (NB Cores presumably extend to/ beyond foundations and are now allowing water to access this area).	HM ABT Elevation.	07/06/21	Y	V	N	4	N	Cannot Determine	N	N	Examiner cannot determine	
11	Open Core Holes (NB Cores presumably extend to/ beyond foundations and are now allowing water to access this area).	HM ABT Elevation.	04/08/22	Y	V	N	4	N	N	N	N	NFD	
12	Displaced (Upto 50mm) Section of Top of Wall (Inc Copings/ Newel) (1.5m2).	D/S LM WWL.	06/07/17	Y	D	Y	6	N	Baseline	N	Y	.	
12	Displaced (Upto 50mm) Section of Top of Wall (Inc Copings/ Newel) (1.5m2).	D/S LM WWL.	23/11/17	Y	V	Y	6	N	N	N	Y	No change	

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History of Live Significant Defects												
No	Description	Location	Exam Date	Access Gained	Exam Type	Rec Raised	Risk Score	Access Req'd	Deter - ioration	Repaired	Flagged for Closure	Engineer Comments
12	Displaced (Upto 50mm) Section of Top of Wall (Inc Copings/ Newel) (1.5m2).	D/S LM WWL.	05/06/18	Y	V	N	6	N	N	N	Y	Not actioned
12	Displaced (Upto 50mm) Section of Top of Wall (Inc Copings/ Newel) (1.5m2).	D/S LM WWL.	20/06/19	Y	V	N	6	N	Cannot Determine	N	Y	Cannot determine
12	Displaced (Upto 50mm) Section of Top of Wall (Inc Copings/ Newel) (1.5m2).	D/S LM WWL.	18/04/20	Y	V	Y	6	N	N	N	Y	Little deterioration noted
12	Displaced (Upto 50mm) Section of Top of Wall (Inc Copings/ Newel) (1.5m2).	D/S LM WWL.	07/06/21	Y	V	N	6	Y	NV	N	Y	Not veiwed
12	Displaced (Upto 50mm) Section of Top of Wall (Inc Copings/ Newel) (1.5m2).	D/S LM WWL.	04/08/22	Y	V	N/A	N/A	N	N/A	Y	Y	Repaired
13	PNE - Restricted access	Parts to underside of structure	07/06/21	N	V	N	4	Y	Baseline	N	Y	Review access at next exam
13	PNE - Restricted access	Parts to underside of structure	04/08/22	Y	V	N/A	N/A	N	N/A	Y	Y	Access gained.
Engineers Notes												
Signed For Employer								Name Paul Wilkinson Date 29-Aug-2022				

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Struc Type BU	NR ID 12014803		Rpt ID 179421		OS Ref SH80007550		Exam ID	14462979
Dimensions	Height 2.50m Length 6.50m Span 3.20m No. Spans: 1					Exam Date	04/08/22	
Primary Material	RBE - Pre-tensioned Concrete					Last Detailed	06/07/17	
Secondary Material	Not Recorded					Last Visual	07/06/21	
Structure Carries	Rail			Over	Water			
Line	Betws-y-Coed Branch							
Name:	MILL RIVER							
The examiner should record any deterioration in condition or development of defects or other factors, which might place at risk the rail traffic, customers, staff or the public at large. Special reference should be made to those structures or parts of structures whose condition may require action before the next examination.								
EXAMINER COMMENTS Defect(s) present on this Structure. PARTS NOT EXAMINED AT LAST DETAILED EXAMINATION Parts below water level, concrete invert. I confirm that the previous detailed and visual reports have been reviewed and the dates of said report are given in this report. An underwater examination dated 20-Jun-2018 was also reviewed. The last Detailed Examination was incomplete. Has all the structure been viewed? No (if no, see report for details) Parts below water / concrete invert Has the structure been viewed under load? No No trains passed at time of examination								
EXAMINERS NAME Jane Legge DATE 25-Aug-2022 SIGNED								

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<table><thead><tr><th>Name Of Part</th><th>Status</th></tr></thead><tbody><tr><td>Main Girders</td><td>N/A</td></tr><tr><td>Cross Girders</td><td>N/A</td></tr><tr><td>Rail Bearers</td><td>N/A</td></tr><tr><td>Deck</td><td>Examined</td></tr><tr><td>Rivets & Bolts</td><td>N/A</td></tr><tr><td>Arch Ring</td><td>N/A</td></tr><tr><td>Spandrels</td><td>N/A</td></tr><tr><td>Abutments</td><td>Examined</td></tr><tr><td>Piers</td><td>N/A</td></tr><tr><td>Wing & Retaining Walls</td><td>Examined</td></tr><tr><td>Pointing</td><td>Examined</td></tr><tr><td>Parapets & Pilasters</td><td>N/A</td></tr><tr><td>Columns & Cylinders</td><td>N/A</td></tr><tr><td>Trestles & Crossheads</td><td>N/A</td></tr><tr><td>Bedstones & Cills</td><td>Examined</td></tr><tr><td>Bearings</td><td>N/A</td></tr><tr><td>Ballast Plates/Boards</td><td>N/A</td></tr><tr><td>Longitudinal Timbers</td><td>N/A</td></tr><tr><td>Waterproofing</td><td>Not Included</td></tr><tr><td>Drainage</td><td>Not Included</td></tr><tr><td>Gutters & Downpipes</td><td>N/A</td></tr><tr><td>Handrails</td><td>Examined</td></tr><tr><td>Painting</td><td>N/A</td></tr><tr><td>Track & Road Condition</td><td>Examined</td></tr><tr><td>Revetment Walls</td><td>N/A</td></tr><tr><td>Visibility of Signs</td><td>N/A</td></tr><tr><td>Number Plate</td><td>N/A</td></tr><tr><td></td><td>N/A</td></tr><tr><td></td><td>N/A</td></tr><tr><td></td><td>N/A</td></tr><tr><td></td><td>N/A</td></tr><tr><td>Vegetation</td><td>Yes</td></tr><tr><td>Debris</td><td>No</td></tr><tr><td>Rubbish</td><td>No</td></tr><tr><td></td><td></td></tr></tbody></table>		Name Of Part	Status	Main Girders	N/A	Cross Girders	N/A	Rail Bearers	N/A	Deck	Examined	Rivets & Bolts	N/A	Arch Ring	N/A	Spandrels	N/A	Abutments	Examined	Piers	N/A	Wing & Retaining Walls	Examined	Pointing	Examined	Parapets & Pilasters	N/A	Columns & Cylinders	N/A	Trestles & Crossheads	N/A	Bedstones & Cills	Examined	Bearings	N/A	Ballast Plates/Boards	N/A	Longitudinal Timbers	N/A	Waterproofing	Not Included	Drainage	Not Included	Gutters & Downpipes	N/A	Handrails	Examined	Painting	N/A	Track & Road Condition	Examined	Revetment Walls	N/A	Visibility of Signs	N/A	Number Plate	N/A		N/A		N/A		N/A		N/A	Vegetation	Yes	Debris	No	Rubbish	No			Elements not Included and reason:	
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	N/A																																																																										
	N/A																																																																										
Vegetation	Yes																																																																										
Debris	No																																																																										
Rubbish	No																																																																										
Record of Observations Under Load																																																																											
Load Type	General Area Observed	Result Of Observation	Date & Time																																																																								

	NETWORK RAIL			
BRIDGE VISUAL				
ELR: LJT1	Contract Mileage:	001 m	1501 yds	68.23 ch Struc. Ref 2
Avongards				
Are Avongards Present?	No			
Date Tabs				
Are Date Tabs Present?	No			
Plumbing Points				
Are Plumbing Points Present?	No			
Environmental Factors Present: No				
Item number	Description	Location		
ADDITIONAL COMMENTS Defect(s) present on this Structure. 2sqm veg downside parapet (Photo 7). Resident requests all examiners knock on her house Glan-y-Mor prior to walking through her private garden to access this structure. Nobody from the railways has a right to access without permission (Photos 8 and 9). VIEWED UNDER LOAD Structure has not been viewed under load NEW DEFECT(S) - STRUCTURAL ELEMENT(S) None NEW DEFECT(S) - MISCELLANEOUS ELEMENT(S) None PREVIOUSLY RECORDED SIGNIFICANT (OPEN) DEFECT(S) DEFECT NUMBER 4: Last observed at a Visual Examination on 07/06/21 Defect Location: Across D/S Deck Level. Defect Description: Deteriorated Handrailing (Bottom Rail Fractured and Displaced; D/S HM Post Spalled). Dimensions Not Provided Urgent: No Status: Little deterioration See Existing (Open) Significant Defect Photo: 10 DEFECT NUMBER 5: Last observed at a Visual Examination on 07/06/21 Defect Location: U/S HM Revetment. Defect Description: Active Scour/ Undermining (2m Long; 300mm High; Max Penetration 300mm). Dimensions Not Provided Urgent: No				

	NETWORK RAIL BRIDGE VISUAL	
ELR: LJT1	Contract Mileage: 001 m 1501 yds 68.23 ch	Struc. Ref 2
Status: Cannot determine See Existing (Open) Significant Defect Photo: 11 DEFECT NUMBER 6: Last observed at a Visual Examination on 07/06/21 Defect Location: U/S LM Revetment. Defect Description: Active Scour/ Undermining (3m Long; 400mm High; Max Penetration 300mm). Dimensions Not Provided Urgent: No Status: Cannot determine See Existing (Open) Significant Defect Photo: 12 DEFECT NUMBER 7: Last observed at a Visual Examination on 07/06/21 Defect Location: Downstream Edge of Invert. Defect Description: Active Scour/ Undermining (1300mm Over Approx 20m2). Dimensions Not Provided Urgent: No Status: Cannot determine See Existing (Open) Significant Defect Photo: 13 DEFECT NUMBER 8: Last observed at a Visual Examination on 07/06/21 Defect Location: Soffit of U/S Outer Main Deck Units. Defect Description: Spalled Concrete and Exposed Primary Reinforcement (0.5m2). Dimensions Not Provided Urgent: No Status: Little deterioration See Existing (Open) Significant Defect Photo: 14 DEFECT NUMBER 9: Last observed at a Visual Examination on 07/06/21 Defect Location: U/S and D/S Track Level Approaches. Defect Description: No Limited Clearance Signage. NB Clearance U/S 1.460m and D/S 1.600m Min Measured at Detailed Examination. Dimensions Not Provided Urgent: No Status: No deterioration See Existing (Open) Significant Defect Photo: 15 DEFECT NUMBER 11: Last observed at a Visual Examination on 07/06/21 Defect Location: HM ABT Elevation. Defect Description: Open Core Holes (NB Cores presumably extend to/ beyond foundations and are now allowing water to access this area). Dimensions Not Provided Urgent: No Status: No deterioration See Existing (Open) Significant Defect Photo: 16 DEFECT NUMBER 12: Last observed at a Visual Examination on 07/06/21 Defect Location: D/S LM WWL. Defect Description: Displaced (Upto 50mm) Section of Top of Wall (Inc Copings/ Newel) (1.5m2). Dimensions Not Provided Urgent: No Status: Repaired See Existing (Open) Significant Defect Photo: 17 DEFECT NUMBER 13: Last observed at a Visual Examination on 07/06/21 Defect Location: Parts to underside of structure Defect Description: PNE - Restricted access Dimensions Not Provided Urgent: No Status: Repaired See Existing (Open) Significant Defect Photo: 18 PREVIOUS RECOMMENDATION(S) - See Recommendation(s) below Previous Recommendation: 1 Date Raised: 07/06/21 Location: Both U/S (Downstream) Revetments and Edge of Invert. Description: Consider the need to undertake a hydraulic assessment and install appropriately graded rock		

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armour over the previously noted area of active scour/ undercutting to prevent further deterioration. Status: Is not known if it has been actioned Notes: Is not known if it has been actioned Previous Recommendation: 2 Date Raised: 07/06/21 Location: U/S and D/S Track Level Approaches. Description: Install Limited Clearance Signage. NB Clearance U/S 1.460m and D/S 1.600m Min Measured at Detailed Examination. Status: Has not been actioned Notes: Has not been actioned Previous Recommendation: 3 Date Raised: 07/06/21 Location: Soffit of U/S Outer Main Deck Units. Description: Remove area of loose and spalled concrete clean and treat exposed reinforcement and carry out concrete repair using a proprietary concrete repair product. Status: Has not been actioned Notes: Has not been actioned LOCAL ENVIRONMENT FACTORS AFFECTING THE STRUCTURE None		
Photo 1 - Downside elevation (Taken 040822)		



Photo 2 - Upside elevation (Taken 040822)



Photo 3 - Soffit general view (Taken 040822)



Photo 4 - Watercourse on downside (Taken 040822)



Photo 5 - Watercourse on upside (Taken 040822)



Photo 6 - Track looking to low mileage (Taken 040822)



Photo 7 - Vegetation to downside elevation parapet 2sqm (Taken 040822)



Photo 8 - Private garden for access to structure (Taken 040822)



Photo 9 - House of owner of private garden (Taken 040822)



Photo 10 - Live significant defect (Taken 040822)



Photo 11 - Live significant defect (Taken 040822)

	NETWORK RAIL BRIDGE VISUAL	
ELR: LJT1	Contract Mileage: 001 m 1501 yds 68.23 ch Struc. Ref 2	
	 Photo 12 - Live significant defect (Taken 040822)  Photo 13 - Live significant defect (Taken 040822)	
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Photo 14 - Live significant defect (Taken 040822)



Photo 15 - Live significant defect (Taken 040822)

	NETWORK RAIL BRIDGE VISUAL	
ELR: LJT1	Contract Mileage: 001 m 1501 yds 68.23 ch Struc. Ref 2	
	 Photo 16 - Live significant defect (Taken 040822)  Photo 17 - Live significant defect (Taken 040822)	

ELR: LJT1	Contract Mileage:	001 m	1501 yds	68.23 ch	Struc. Ref	2
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Photo 18 - Live significant defect (Taken 040822)