


ELR:	EXR	Structure No:		Mileage:	4m 08ch	Examination date:	15/12/17
Route:	Exeter Railway					OS ref:	SX 864 903
Name:	Perridge Tunnel					Type:	Portals

General view of structure: L/e portal	Examiner comments				
	<p>Services</p> <p>There is no evidence in the HE (HRE) Health and Safety File, previous examination reports nor as noted on site to confirm the presence of any statutory services affecting the structure</p> <p>The structure shows no change since the 2016/17 detailed report.</p> <p>Limited access to C/e portal due to deep water</p> <p>Main defects are noted on page 2.</p>				
<p>A Visual Examination of this structure has been carried out and any deterioration in condition or development of defects or other factors, which might place at risk the public at large, is recorded in the Examiner's Comments section of this document.</p>	<table border="1"> <tr> <td></td><td>Signed:</td></tr> <tr> <td></td><td></td></tr> </table>		Signed:		
	Signed:				

Access Hazards:

Confined space

Stagnant water and boggy ground to formation 80m from C/e portal

The L/e of the structure is the east (Exeter) end.

Recommendations:

Resolve access problem to rear of DC headwall and unblock drain - P1 £750.

Signed by Examining Engineer:

2018.01.17
09:03:24 Z

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Examiner Comments on Structure condition

0.5m² spalling 20mm, 2no 3mm wide diagonal fractures through all rings 1m and 1.5m from crown to U/L arch rings **(P2)**

0.5m² deep open joints to 100mm, 4mm wide stepped joint trough all rings 1m from crown to D/L arch rings **(P3)**

Both the above are longstanding but were not noted in last year's detailed report.

1m² deep open joints 75mm located at haunch, 2m² spalling 20mm to U/C arch rings

1m² deep open joints and spalling 50mm to D/C arch rings

Section of brickwork oversailing 5mm 5no courses below string course 4m long from quoin, 3mm wide horizontal joint fracture 7no courses below string course 3m long from arch rings (continuation of arch ring fracture) to U/L portal **(P4&5)**

1m² spalling 20mm, brickwork oversailing 7mm 4no courses below string course 6m long from quoin and 0.7m² irregular brickwork adjacent to arch rings with loose mortar to D/L portal **(P6&7)**

2m² deep open joints 50mm and spalling 20mm to both C/e spandrels

1m² deep open joints 50mm with odd bricks oversailing 5mm to L/e string course

1m² deep open joints 50mm with odd bricks missing and spalled 50mm to C/e string course

1m² deep open joints 50mm to both parapets

Numerous bricks loose, missing and displaced to 90mm to C/e parapet

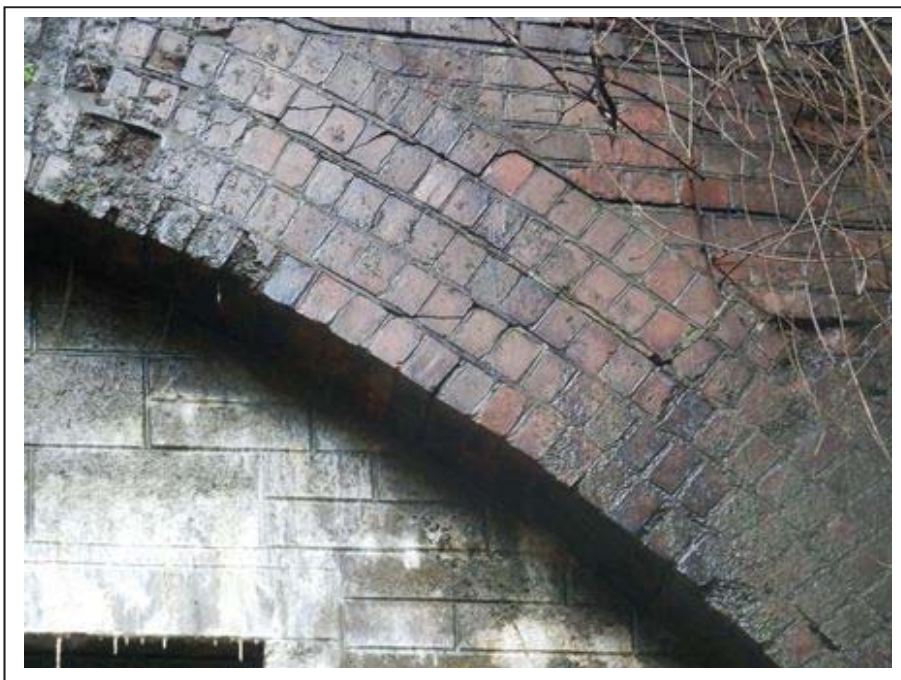
Large volumes of water flowing over D/C parapet **(P8&9)**

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Photographs of structure



Photograph no 1:
C/e portal



Photograph no 2:
U/L arch rings

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Photographs of structure



Photograph no 3:
D/L arch rings



Photograph no 4:
U/L portal

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Photographs of structure



Photograph no 5:
U/L portal



Photograph no 6:
D/L portal

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Photographs of structure



Photograph no 7:
D/L portal



Photograph no 8:
D/C parapet

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Photographs of structure



Photograph no 9:
D/C parapet