

|                                     |                        |                         |                                   |
|-------------------------------------|------------------------|-------------------------|-----------------------------------|
| <b>ELR:</b> AGB                     | <b>Structure No:</b> 3 | <b>Mileage:</b> Unknown | <b>Examination date:</b> 19/03/21 |
| <b>Route:</b> Gullane to Longniddry |                        |                         | <b>OS ref:</b> NT483797           |
| <b>Name:</b> Luffness Mains         |                        |                         | <b>Type:</b> Overbridge           |

|   |  |
|---|--|
| <p><b>General view of structure: East elevation</b></p>  | <p><b>Examiner comments:</b></p> <p><b>Services</b><br/>There is no evidence in the HE (HRE) 2015 Health and Safety File, previous examination reports or as noted on site to confirm the presence of any statutory services affecting the structure.</p> <p><b>Access Route to Structure</b> –private road off A6137 access farm gate west of structure</p> <p><b>Site Issues and Impediments to carrying out repairs, DE’s or other works-</b> Ladders</p> <p><b>Date of Last Examination</b> – 24/04/21</p> <p><b>Structure Examined within 12 months</b> – Yes</p> <p><b>Reason for Exceeding 12 month’s interval</b> – None</p> |
|---|--|

A **Monitor 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.



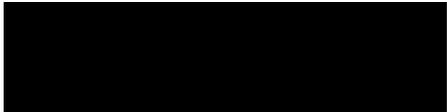
**Access Hazards:** Road traffic, working at height, Lead paint

**Recommendations:**

Carry out metalwork repairs to various corroded members throughout the structure - P1.

Delaminate/ clean all corroded metalwork and apply anti-rust coating to same throughout the structure - P1.

Re-bed south west coping's to Pilaster - P1.

**Signed by Examining Engineer:** 

|                                     |                        |                         |                                   |
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**Examiner Comments on Structure Condition:**

**STRUCTURE**

Single span, steel parapet main girders, cross girders, plate deck, masonry abutments, wing walls and pilasters

**PARAPET MAIN GIRDERS**

East elevation, moderate to severe corrosion at bearing on both abutments. Slight to moderate surface corrosion over 100% of area. Web plate holed at south elevation Ph No6 - Ph No9

West elevation, moderate to severe corrosion at bearing on both abutments. Slight to moderate surface corrosion over 100% of area. Bottom flange notched at bearing on South elevation bearing plate Ph No10 - Ph No12

**CROSS GIRDERS**

Moderate to severe corrosion to bottom flanges at random intervals throughout area. Ph No13

Web plate holed at South west bearing on abutment at West elevation parapet main girder Ph No14

**PLATE DECK**

Moderate to severe corrosion at connection with main girders / cross girders

Plate deck holed at West elevation parapet girder Ph No15

**WING WALLS**

South East elevation, deep open joints under cope stones Ph No16

**PILASTERS**

South West elevation pilaster cap displaced Ph No17

**APPROACH FENCES**

All approach fences covered with vegetation Ph No18

|        |                       |               |   |          |         |                   |            |
|--------|-----------------------|---------------|---|----------|---------|-------------------|------------|
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**Photographs of structure**



**Photo No.1. East Elevation.**



**Photo No.2. West Elevation.**

|        |                       |               |   |          |         |                   |            |
|--------|-----------------------|---------------|---|----------|---------|-------------------|------------|
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**Photographs of structure**



**Photo No.3. View looking North over the structure.**



**Photo No.4. View looking South over the structure.**

|        |                       |               |   |          |         |                   |            |
|--------|-----------------------|---------------|---|----------|---------|-------------------|------------|
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| Route: | Gullane to Longniddry |               |   |          |         | OS ref:           | NT483797   |
| Name:  | Luffness Mains        |               |   |          |         | Type:             | Overbridge |

**Photographs of structure**



**Photo No.5. Deck**



**Photo No.6. East elevation parapet girder soffit face**

|                                     |                        |                         |                                   |
|-------------------------------------|------------------------|-------------------------|-----------------------------------|
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| <b>Route:</b> Gullane to Longniddry |                        | <b>OS ref:</b> NT483797 |                                   |
| <b>Name:</b> Luffness Mains         |                        | <b>Type:</b> Overbridge |                                   |

**Photographs of structure**



**Photo No.7. East elevation parapet girder road face**



**Photo No.8. East elevation parapet girder corrosion**

|        |                       |               |   |          |         |                   |            |
|--------|-----------------------|---------------|---|----------|---------|-------------------|------------|
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**Photographs of structure**



**Photo No.9. East elevation parapet girder web plate holed**



**Photo No.10. West elevation parapet girder solum face**

|                                     |                        |                         |                                   |
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**Photographs of structure**



**Photo No.11. West elevation parapet girder road face**



**Photo No.12. West elevation parapet girder bottom flange notched**

|        |                       |               |   |          |         |                   |            |
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**Photographs of structure**



**Photo No.13. Cross girders corrosion**



**Photo No.14. Cross girders corrosion web plate holed at abutment**

|        |                       |               |   |          |         |                   |            |
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**Photographs of structure**



**Photo No.15. Deck plate holed**



**Photo No.16. South East elevation wing wall open joints**

|        |                       |               |   |          |         |                   |            |
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| Route: | Gullane to Longniddry |               |   |          |         | OS ref:           | NT483797   |
| Name:  | Luffness Mains        |               |   |          |         | Type:             | Overbridge |

**Photographs of structure**



**Photo No.17. South West elevation pilaster displaced**



**Photo No.18. Approach fences covered with vegetation**