



ELR:	AGB	Structure No:	3	Mileage:	Unknown	Examination date:	01/05/19
Route:	Gullane to Longniddry					OS ref:	NT483797
Name:	Luffness Mains					Type:	Overbridge

#### 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 No8

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 No9 - Ph No10

##### CROSS GIRDERS

Moderate to severe corrosion at bearing on both abutments. Ph No11

Web plate holed at South west bearing on abutment at West elevation parapet main girder Ph No12

##### PLATE DECK

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

Plate deck holed at West elevation parapet girder Ph No13

##### WING WALLS

South East elevation, deep open joints under cope stones Ph No14

##### PILASTERS

South West elevation pilaster cap displaced Ph No15

##### APPROACH FENCES

All approach fences covered with vegetation Ph No16

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### Photographs of structure



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



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

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



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

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**Photo No.5. Deck**



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

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**Photo No.7. East elevation parapet girder corrosion**



**Photo No.8. East elevation parapet girder web plate holed**

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**Photo No.9. West elevation parapet girder**



**Photo No.10. West elevation parapet girder bottom flange notched**

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**Photo No.11. Cross girders corrosion at abutments**



**Photo No.12. Cross girders corrosion web plate holed**

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**Photo No.13. Deck plate holed**



**Photo No.14. South East elevation wing wall open joints**

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**Photo No.15. South West elevation pilaster displaced**



**Photo No.16. Approach fences covered with vegetation**