

ELR:	AGB	Structure No:	3	Mileage:	Unknown	Examination date:	24/04/20
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 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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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 solum face

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Photo No.7. East elevation parapet girder road face



Photo No.8. East elevation parapet girder corrosion

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



Photo No.10. West elevation parapet girder solum face

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Photo No.11. West elevation parapet girder road face



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

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Photo No.13. Cross girders corrosion



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

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Photo No.15. Deck plate holed



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

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Photo No.17. South West elevation pilaster displaced



Photo No.18. Approach fences covered with vegetation