

**Bridge Detailed Examination Report**

|                          |   |               |          |                              |             |
|--------------------------|---|---------------|----------|------------------------------|-------------|
| <b>ELR:</b> LJT2         | <b>Contract Mileage:</b> 024 m 0649 yds 29.50 chs |               |          | <b>Struc. Ref</b> 113        |             |
| <b>Examination Type:</b> | Bridge Detailed                                   | <b>NR ID:</b> | 12015187 | <b>Exam Date:</b>            | 13-Feb-2014 |
| <b>Area:</b>             | Central West                                      | <b>BRS:</b>   | 0        | <b>OS Ref:</b>               | SH70304480  |
| <b>Structure Name:</b>   | BR113   | <b>Type:</b>  | BO       | <b>Exam ID</b>               | 5026679     |
| <b>Route:</b>            | Blaneau Ffestiniog Branch                         |               |          | <b>Complete Examination:</b> | No          |

**Section A: To Be Completed By The Examining Organisation**

| HIDDEN PARTS NOT EXAMINED<br>(EXCLUDING FOUNDATIONS) |  | Part                                    | Reason                    |                    |          |          |             |            |                         |
|--|--|---|---------------------------|--------------------|----------|----------|-------------|------------|-------------------------|
| ITEM   | DESCRIPTION  | LOCATION                                | Est. Cost<br>£ +/-<br>20% | Priority<br>Within | Quantity | Severity | Probability | Risk Score | Works Category          |
| 1  | Prior to considering recommendation items below, review long term plan for this structure and consider replacement.  | Structure                               |                           | 1yr                | 1 unit   |          |             |            | Other                   |
| 2  | Carry out HCE examination to confirm condition of main girders hidden by jack arches and tie bar ends (JAS, BZ and CUFPO).   | Main girders and tie bars               | 2000.00                   | 1yr                | 1 unit   | 4        | 2           | E8         | Other                   |
| 3  | Carry out site investigation to determine remaining thickness to bottom flange of main girders with an ultrasonic meter and update level 0 assessment to determine current capacity. | Main girders                            | 2000.00                   | 1yr                | 1 unit   | 4        | 2           | E8         | Other                   |
| 4  | Remove defective paintwork throughout structure, clean exposed steel to sound surface, repair as necessary and apply an approved coating system.                                     | Main girders and tie bars.              | 10000.00                  | 1yr                | 1 unit   | 2        | 3           | E6         | Painting                |
| 5  | Rake out to sound material and re-point isolated areas of deep open joints. Replace isolates missing stones to abutment.   | Abutments, wingwalls and parapets       | 6000.00                   | 4yrs               | 40 m2    | 2        | 3           | M6         | Hand Pointing           |
| 6  | Replace parapet plates   | Both elevations                         | 5000.00                   | 6mths              | 1 unit   | 5        | 2           | M10        | Steelwork Repairs       |
| 7  | Remove fallen tree   | Trawsfynydd end of bridge               | 750.00                    | 1yr                | 1 unit   | 5        | 2           | M10        | Vegetation              |
| 8  | Replace and make good missing stonework.   | Upside high mileage wingwall/embankment | 750.00                    | 3yrs               | 0.15 m3  | 2        | 3           | S6         | Brickwork/Stone Repairs |
| 9  | Consider rewaterproofing the structure as part of programmed maintenance work.   | Deck                                    | 10000.00                  | 4yrs               | 1 unit   | 2        | 3           | E6         | Other                   |

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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   |
|----|---|------------------------------|-----------|---------------|-----------|------------|------------|--------------|------------------|----------|---------------------|---|
| 2  | Severely corroded and holed parapet screens | Parapets                     | 28/11/12  | Y             | V         | Y          | 6          | N            | Baseline         | N        | N                   | The corroded parapet panels could easily be damaged by farm vehicles and offer very little protection in thier current condition. |
| 2  | Severely corroded and holed parapet screens | Parapets                     | 13/02/14  | Y             | D         | Y          | 10         | N            | N                | N        | N                   | The corroded parapet panels could easily be damaged by farm vehicles and offer very little protection in thier current condition. |
| 3  | Fallen tree                                 | Trawsfynydd end of bridge    | 13/02/14  | Y             | D         | Y          | 10         | N            | Baseline         | N/A      | N                   | Remove  |
| 4  | Void in stonework                           | Upside high mileage wingwall | 13/02/14  | Y             | D         | Y          | 6          | N            | Baseline         | N/A      | N                   | 1.2m long x 0.4m wide x 0.3m deep at base of wall adjacent to embankment.   |

**Engineers Notes**

**Signed**

For Employer



**Name**



**Date 24-Apr-2014**

Version 3.4 29-11-12

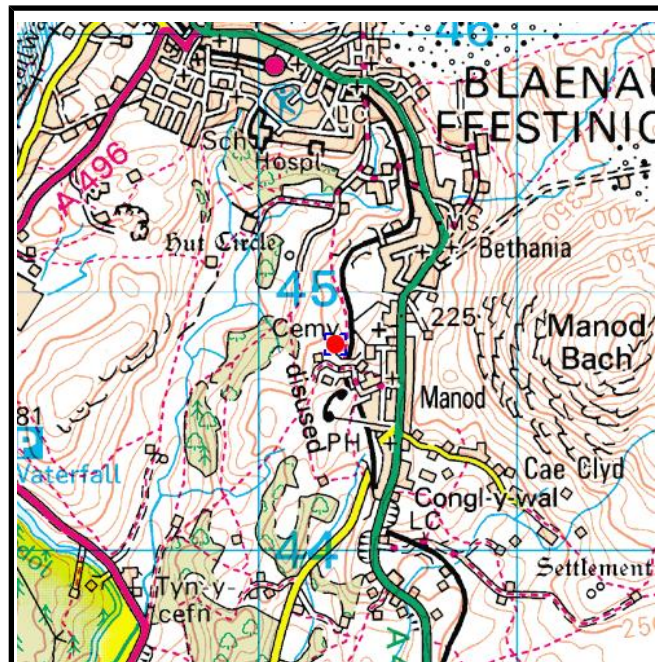
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|                                 |  |             |                 |   |
|---------------------------------|--|-------------|-----------------|---|
| ELR: LJT2                       | Contract Mileage: 024 m 0649 yds 29.50 chs |             |                 | Struc. Ref 113  |
| Structure Type BO               | NR ID 12015187                             | Rpt ID 6410 | Exam ID 5026679 |   |
| OS Ref: SH70304480              | Contract Mileage: 024 m 0649 yds 29.50 chs |             |                 | <b>Exam Date</b><br>13/2/2014<br>Last Detailed 14/10/2007<br>Last Visual 28/11/2012 |
| Primary Material: Not Recorded  | Secondary Material: Not Recorded           |             |                 |   |
| Line: Blaneau Ffestiniog Branch |  |             |                 |   |
| Name: BR113                     |  |             |                 |   |

Site Sketch / Elevation Photograph



Location Plan





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**Name of Part**

N/E = Not Examined  
N/A = Not Applicable

|                            |      |
|----------------------------|------|
| Main Girders               | Fair |
| Cross Girders              | -    |
| Rail Bearers               | -    |
| Jack Arch Floor            | Fair |
| Rivets & Bolts             | -    |
| Arch Ring                  | -    |
| Spandrels                  | -    |
| Abutments                  | Fair |
| Piers                      | -    |
| Wing & retaining Walls     | Fair |
| Pointing                   | Fair |
| Parapets & Pilasters       | -    |
| Columns & Cylinders        | -    |
| Trestles & Crossheads      | -    |
| Bedstones & Cills          | Fair |
| Bearings                   | -    |
| Ballast Plates/Boards      | -    |
| Longitudinal Timbers       | -    |
| Waterproofing              | Fair |
| Drainage                   | -    |
| Gutters & Downpipes        | -    |
| Handrails                  | -    |
| Painting                   | Poor |
| Track & Road Condition     | Poor |
| Revetment Walls            | -    |
| Vegetation                 | YES  |
| Debris                     | NO   |
| Visibility of Signs        | -    |
| Rubbish                    | NO   |
| Tie Bars                   | Poor |
| -                          | -    |
| -                          | -    |
| -                          | -    |
| Insert 'X' for             |      |
| Change of Construction     |      |
| Closed Line                | X    |
| C.W.R.                     |      |
| Rail Joints                | X    |
| 25T Axle/Abnormal Rd Loads |      |
| Weight Restriction Plates  | X    |
| Inaccessible Parts         | X    |
| Tell Tales/Avonguards      |      |
| Plumbing Points            |      |

**Examiner's General Comments**

Structure in fair condition at time of examination, but in need of repointing and painting.

Has all the structure been viewed? No

Underside of main girders only examined - remainder hidden by jack arches

Has the structure been viewed under load? Yes

No road vehicles using bridge at time of examination

SIGNED



EXAMINERS NAME



DATE

23-Apr-2014

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**STATUS OF PREVIOUSLY RECORDED SIGNIFICANT DEFECTS and STATUS OF RECOMMENDATIONS MADE AT PREVIOUS EXAMINATION**

DEFECT No: 1, Renew corroding tie bars between main girders., located at structure, STATUS: has not been actioned.

The Recommendation to Consideration should be given to the careful removal of the fallen tree., 1 unit, located at Trackside (Disused), has not been actioned.

The last detailed examination report was incomplete and the unexamined parts are identified below  
Underside of main girders only examined - remainder hidden by jack arches

I confirm that the last visual and detailed examination reports have been reviewed and the dates of the said report are given in this report.

**GENERAL DESCRIPTION**

This structure carries an occupation road leading to a farm on the upside, over a disused branch line.

It is constructed of four steel main girders with three brick jack arches in between on stone abutments and wing walls the parapets on the span are of mild steel panels.

The examination was tactile and carried out utilising ladders, prodders and hammers.

**DIMENSIONS**

Running edge of down rail to downside parapet – 1m.

Running edge of up rail to upside parapet – 1m.

Height – 4.5m

Length of abutment – 4m

Span – 4.1m

**MAIN GIRDERS 305mm high x 130mm wide**

Both outer main girders – severe corrosion with knife edging throughout outer edge of top flange Photo 6,

Both outer and both inner main girders – extensive moderate/severe corrosion sores throughout bottom face of bottom flange. Photo 7,

**JACK ARCHES**

All 3no brick jack arches in generally good condition, apart from water seepage - see Waterproofing item.

**ABUTMENTS**

Both abutments – similar, 1mm wide vertical, stepped bed joint fractures, from ground level to top, at centre of abutments – as last detailed examination. Photos 8,9

Open joints/missing stones to 150mm deep, generally throughout both abutments – 20m.sq total. Photos 10,11

Occasional, isolated missing stones, to 150mm sq., generally throughout upside abutment. Photo 11

**WING WALLS**

Upside, Blaenau end wing wall – area of void, 1.2m. long x 400mm wide x 300mm deep, at connection between base of wall and embankment – suspect washout to embankment, beneath the base of the wall, of longstanding. Photo 12

Occasional, isolated open joints, to 100mm deep, generally throughout all 4no wing walls – 8m.sq total. Photo 13

**PARAPETS** 10mm thick steel plate panels on 75mm.sq. angle stiffeners, over branch, line both sides. Masonry walls on approaches.

All 3no plate panels on each parapet severely corroded, with numerous holes, to 50mm diameter, and knife edging around, mainly at connection with angle stiffeners. Photos 14,15

Occasional, isolated open joints, to 100mm deep, generally throughout all 4no parapet approach walls – 8.sq total. Photo 16

**POINTING**

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See open joints at abutments, wing walls and parapet approach walls – 40m sq total.

**PAD STONES**

All pad stones carrying main inner and outer girders in generally good condition, apart from water staining – see Waterproofing item

**WATER PROOFING**

Areas of moderate/heavy water seepage, generally throughout all 3no jack arches, mainly at connection with main girders, and down inner face of both abutments and all 8no pad stones Photos 17, 18, 19

**PAINTING**

Paint cover generally broken down, and now largely non-existent - allowing extensive corrosion throughout superstructure. Photo 20.

**TRACK/ROAD OVER**

Tarmac surfaced road over, leading to farm on upside – in generally satisfactory condition, although with grass verges on each side, growing against steel parapets.

Note- this (freight only) line has not carried rail traffic for approximately 20 years, with the line in the vicinity of this structure now heavily overgrown with brambles, saplings etc., with a fallen tree partially blocking the branch line, 10m towards the Trawsfynydd end Photos 21, 22

**VEGETATION**

Bushes/saplings growing in embankment within 2m of all 4no wing walls. Photo 23

**TIE BARS 1no. at centre of each jack arch**

All 3no. tie bars severely corroded at connection with jack arches, wasted to 10mm out of original 35mm. Photo 24

**WEIGHT RESTRICTION PLATES**

10 Ton weight restriction plates on both approaches to span – clear and visible with no evidence of non-compliance. Photo 25

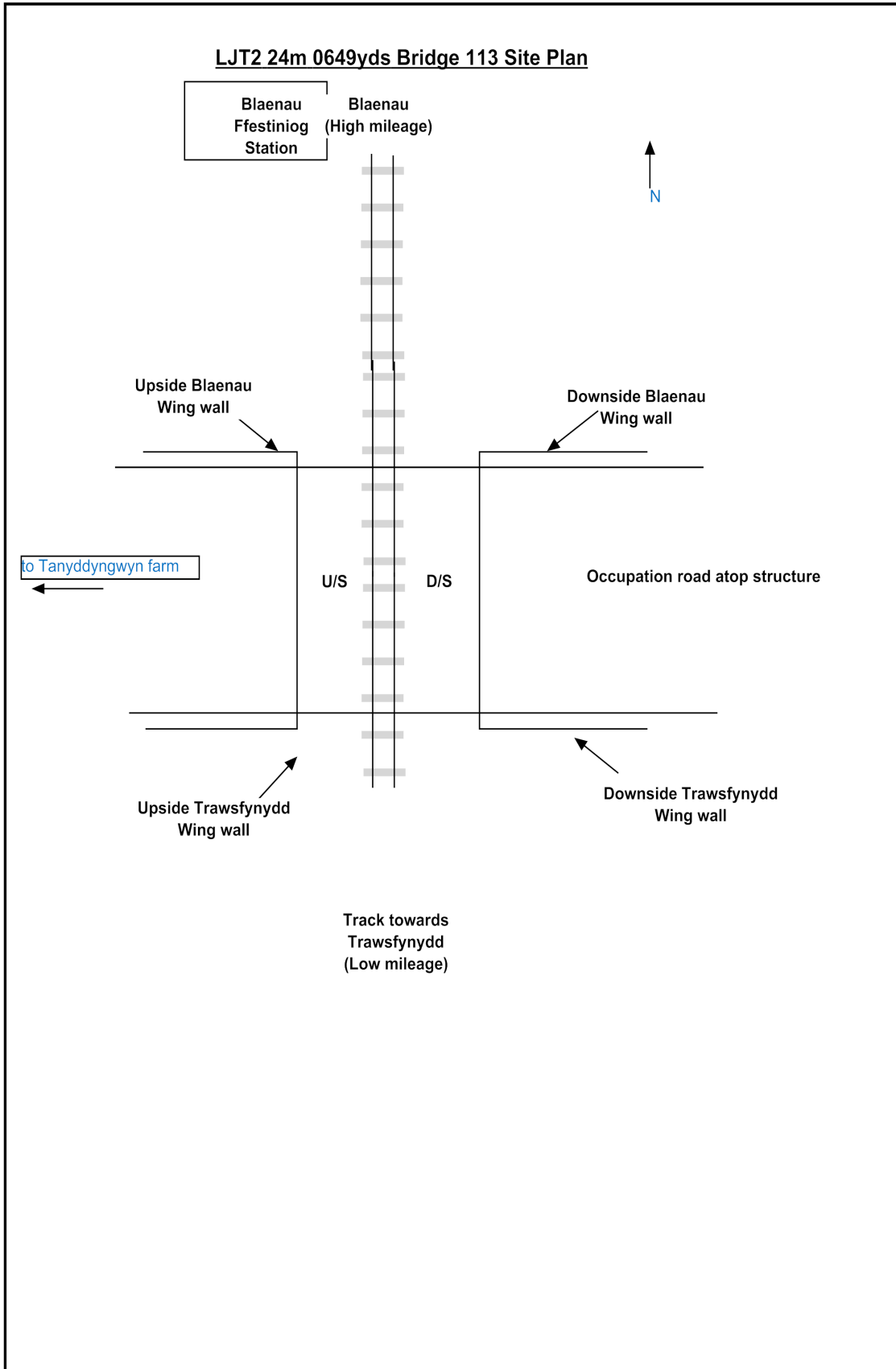
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Photo 1 Trawsfynydd end elevation 13/02/2014



Photo 2 Blaenau end elevation 13/02/2014



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Photo 3 road over looking towards upside 13/02/2014



Photo 4 road over looking towards downside 13/02/2014

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Photo 5 general view of soffit 13/02/2014



Photo 6 typical corrosion to outer main girders 13/02/2014

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Photo 7 typical corrosion to inner main girders 13/02/2014



Photo 8 fracture at downside abutment 13/02/2014

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Photo 9 fracture at upside abutment 13/02/2014



Photo 10 open joints at downside abutment 13/02/2014

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Photo 11 open joints at upside abutment 13/02/2014



Photo 12 void at upside Blaenau end wing wall 13/02/2014

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Photo 13 typical open joint at wing walls 13/02/2014



Photo 14 corrosion to Blaenau end parapet 13/02/2014

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Photo 15 corrosion to Trawsfynydd end parapet 13/02/2014



Photo 16 typical open joints at parapets 13/02/2014

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Photo 17 typical water staining at jack arches 13/02/2014



Photo 18 typical water staining at abutments 13/02/2014



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Photo 19 typical water staining at pad stones 13/02/2014



Photo 20 typical paint break down at parapets 13/02/2014

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Photo 21 track view looking towards Blaenau 13/02/2014



Photo 22 track view looking towards Trawsfynydd 13/02/2014

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Photo 23 vegetation at wing walls 13/02/2014



Photo 24 corroded tie bar 13/02/2014

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Photo 25 signage 13/02/2014

**NETWORK RAIL BCMI EXAMINATION REPORT FORM**

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| Territory | ELR  | Structure No | Start Mileage | Group | Type | RAR ID | Structure Name | Exam Date  | Task Year | Exam Type | Examiners Name | Weather |
|-----------|------|--------------|---------------|-------|------|--------|----------------|------------|-----------|-----------|----------------|---------|
| TWES      | LJT2 | 113          | 24.0649       | BB    | BBO  |        | NEADD DDU      | 13/02/2014 | 13_14     | D         |                | FAIR    |

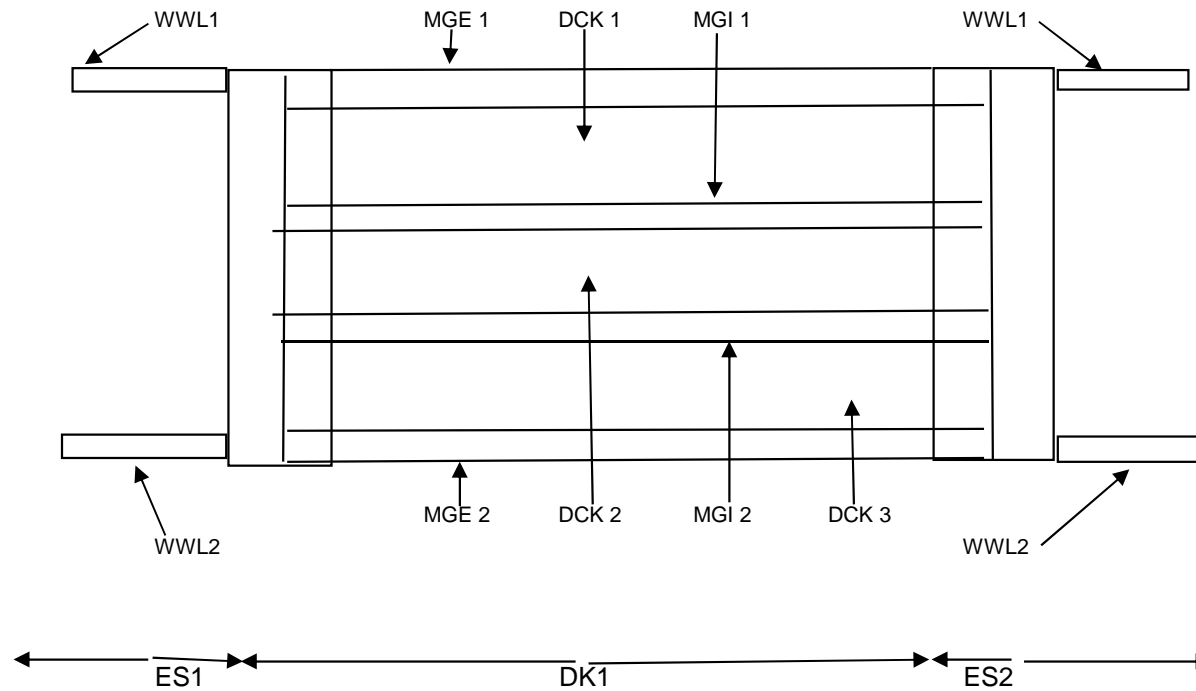
| Major Element   |    | Minor Element |    |          | Metal / Masonry / Concrete / Timber |        | Coated Metal / Cracked Masonry |        | V | Comments  |
|---|----|---------------|----|----------|-------------------------------------|--------|--------------------------------|--------|---|---|
| Code  | No | Code          | No | Material | S/Ex 1                              | S/Ex 2 | S/Ex 1                         | S/Ex 2 |   |   |
| <b>Note: This free text area of the report should be used extensively and can be enlarged as necessary.</b> |    |               |    |          |                                     |        |                                |        |   |   |
| ES  | 1  | WWL           | 1  | B        | C3                                  | B3     | A1                             | A1     | ✓ | Occasional isolated open joints to 100mm deep. Areas of slight water staining throughout.   |
| ES  | 1  | WWL           | 2  | B        | C3                                  | B3     | A1                             | A1     | ✓ | Occasional isolated open joints to 100mm deep. Areas of slight water staining throughout.   |
| ES  | 1  | ABT           | 1  | B        | Ex3                                 | C3     | J7                             | A1     | ✓ | Occasional isolated missing stones, open joints to 150mm deep. Areas of heavy water staining throughout. 1No vertical bed joint fracture of longstanding. |
| ES  | 1  | PCL           | 1  | B        | B5                                  | A1     | A1                             | A1     | ✓ | Moderate water staining throughout inner face of pad stones   |
| ES  | 2  | WWL           | 1  | B        | C3                                  | B3     | A1                             | A1     | ✓ | Occasional isolated open joints to 50mm deep. Areas of slight water staining throughout.  |
| ES  | 2  | WWL           | 2  | B        | C3                                  | B3     | A1                             | A1     | ✓ | Occasional isolated open joints to 100mm deep. Areas of slight water staining throughout.   |
| ES  | 2  | ABT           | 1  | B        | Ex3                                 | C3     | J7                             | A1     | ✓ | Occasional isolated missing stones, open joints to 150mm deep. Areas of heavy water staining throughout. 1No vertical bed joint fracture of longstanding. |
| ES  | 2  | PCL           | 1  | B        | B5                                  | A1     | A1                             | A1     | ✓ | Moderate water staining throughout inner face.  |
| DK  | 1  | PPT           | 1  | M        | F4                                  | D6     | L6                             | A1     | ✓ | Holed, knife edging. Extensive surface corrosion throughout parapet panels. Paint cover broken down.  |
| DK  | 1  | PPT           | 2  | M        | F4                                  | D6     | L6                             | A1     | ✓ | Holed, knife edging. Extensive surface corrosion throughout parapet panels. Paint cover broken down.  |
| ES  | 1  | PPT           | 1  | B        | C3                                  | B3     | A1                             | A1     | ✓ | Occasional isolated open joints to 100mm deep. Areas of slight water staining throughout  |
| ES  | 1  | PPT           | 2  | B        | C3                                  | B3     | A1                             | A1     | ✓ | Occasional isolated open joints to 100mm deep. Areas of slight water staining throughout  |
| ES  | 2  | PPT           | 1  | B        | C3                                  | B3     | A1                             | A1     | ✓ | Occasional isolated open joints to 100mm deep. Areas of slight water staining throughout  |
| ES  | 2  | PPT           | 2  | B        | C3                                  | B3     | A1                             | A1     | ✓ | Occasional isolated open joints to 100mm deep. Areas of slight water staining throughout  |
| DK  | 1  | MGE           | 1  | M        | F3                                  | D5     | L6                             | A1     | ✓ | Extensive corrosion with loss of section throughout outer edges. Moderate corrosion sores throughout bottom flange. Paint cover broken down.              |
| DK  | 1  | DCK           | 1  | B        | B5                                  | A1     | A1                             | A1     | ✓ | Moderate water staining throughout jack arch  |
| DK  | 1  | MGI           | 1  | M        | D5                                  | C5     | L6                             | A1     | ✓ | Extensive moderate surface corrosion sores throughout bottom flange. Paint cover broken down.   |
| DK  | 1  | DCK           | 2  | B        | B5                                  | A1     | A1                             | A1     | ✓ | Moderate water staining throughout jack arch  |
| DK  | 1  | MGI           | 2  | M        | D5                                  | C5     | L6                             | A1     | ✓ | Extensive moderate surface corrosion sores throughout bottom flange. Paint cover broken down.   |
| DK  | 1  | DCK           | 3  | B        | B5                                  | A1     | A1                             | A1     | ✓ | Moderate water staining throughout jack arch  |
| DK  | 1  | MGE           | 2  | M        | F3                                  | D5     | L6                             | A1     | ✓ | Extensive corrosion with loss of section throughout outer edges. Moderate corrosion sores throughout bottom flange. Paint cover broken down.              |
| DK  | 1  | BRG           | 1  | M        | E5                                  | D5     | L6                             | K5     | ✓ | Extensive section loss, only 10mm remaining in places, no paint cover.  |
| DK  | 1  | BRG           | 2  | M        | E5                                  | D5     | L6                             | K5     | ✓ | Extensive section loss, only 10mm remaining in places, no paint cover.  |
| DK  | 1  | BRG           | 3  | M        | E5                                  | D5     | L6                             | K5     | ✓ | Extensive section loss, only 10mm remaining in places, no paint cover.  |

## NETWORK RAIL BCMI EXAMINATION REPORT FORM

| Major Element |    |          |         |   |
|---------------|----|----------|---------|---|
| Code          | No | Material | Span No | V |
| ES            | 1  | B        | 1       | ✓ |
| DK            | 1  | M        | 1       | ✓ |
| ES            | 2  | B        | 1       | ✓ |
|               |    |          |         |   |
|               |    |          |         |   |
|               |    |          |         |   |
|               |    |          |         |   |
|               |    |          |         |   |
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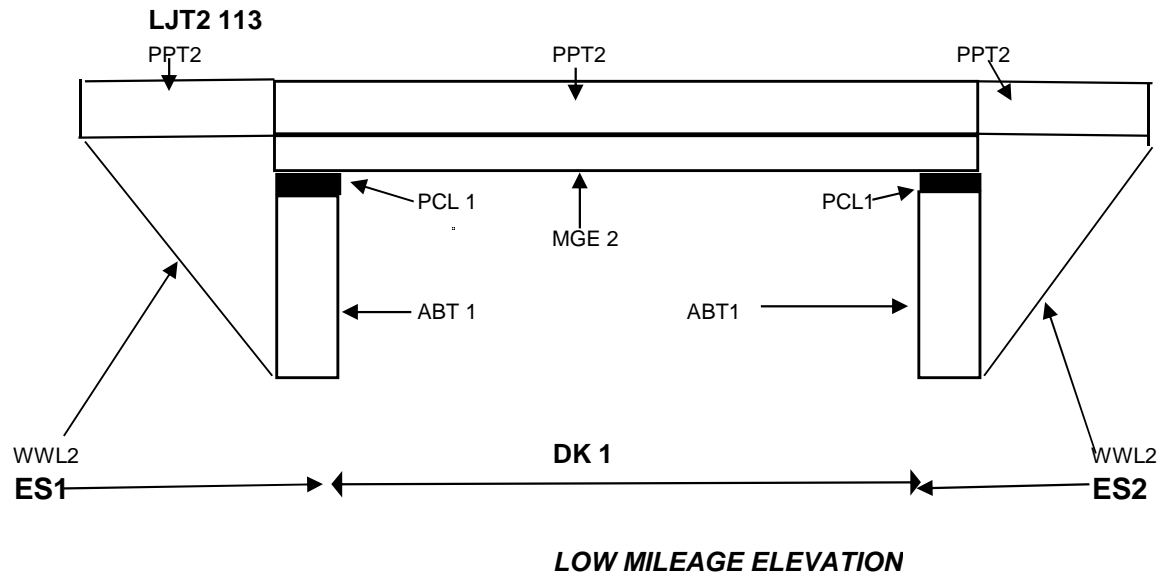
# NETWORK RAIL BCMI EXAMINATION REPORT FORM

## PLAN



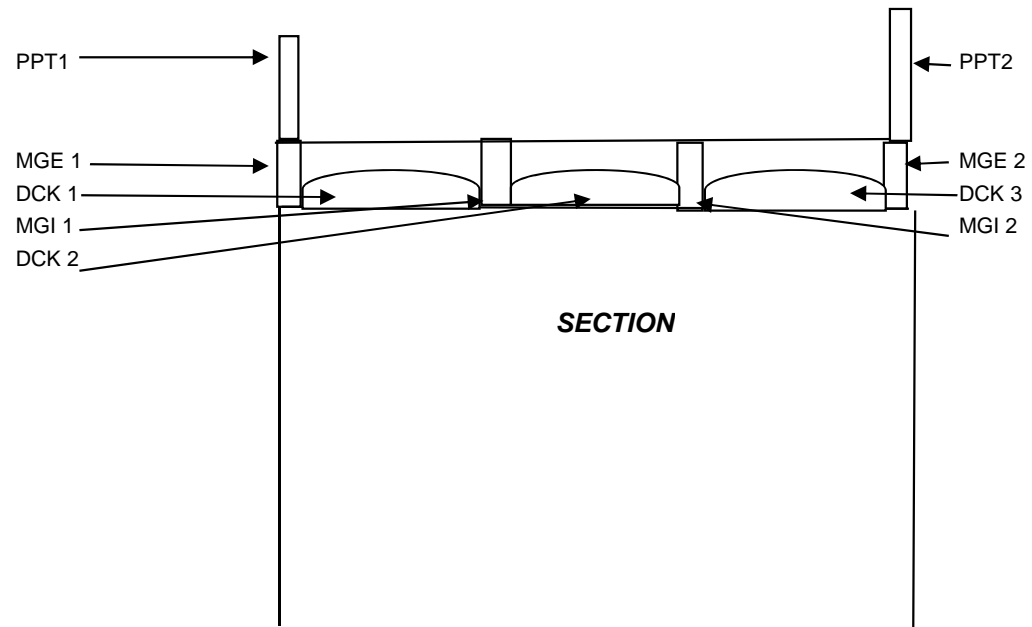
## LOW MILEAGE

# NETWORK RAIL BCMI EXAMINATION REPORT FORM





# NETWORK RAIL BCMI EXAMINATION REPORT FORM



NETWORK RAIL BCMI EXAMINATION REPORT FORM

| Territory | ELR  | Structure No | Start Mileage | Group | Type | RAR ID | Structure Name | Exam Date  | Task Year | Exam Type | Examiners Name | Weather |
|-----------|------|--------------|---------------|-------|------|--------|----------------|------------|-----------|-----------|----------------|---------|
| TWES      | LJT2 | 113          | 24.0649       | BB    | BBO  |        | NEADD DDU      | 13/02/2014 | 13_14     | D         |                | FAIR    |

| Major Element  |    | Minor Element |    |          | Metal / Masonry / Concrete / Timber |        | Coated Metal / Cracked Masonry |        | V | Comments   | Scores         |                |      |
|--|----|---------------|----|----------|-------------------------------------|--------|--------------------------------|--------|---|--|----------------|----------------|------|
| Code   | No | Code          | No | Material | S/Ex 1                              | S/Ex 2 | S/Ex 1                         | S/Ex 2 |   |  | Min EI<br>BCMI | Maj EI<br>BCMI | BCMI |
| Note: This free text area of the report should be used extensively and can be enlarged as necessary. |    |               |    |          |                                     |        |                                |        |   |  |                |                |      |
| DK   | 1  | BRG           | 1  | M        | E5                                  | D5     | L6                             | K5     | ✓ | Extensive section loss, only 10mm remaining in places, no paint cover.   | 15             | 40             | 64   |
| DK   | 1  | BRG           | 2  | M        | E5                                  | D5     | L6                             | K5     | ✓ | Extensive section loss, only 10mm remaining in places, no paint cover.   | 15             |                |      |
| DK   | 1  | BRG           | 3  | M        | E5                                  | D5     | L6                             | K5     | ✓ | Extensive section loss, only 10mm remaining in places, no paint cover.   | 15             |                |      |
| DK   | 1  | DCK           | 1  | B        | B5                                  | A1     | A1                             | A1     | ✓ | Moderate water staining throughout jack arch   | 85             |                |      |
| DK   | 1  | DCK           | 2  | B        | B5                                  | A1     | A1                             | A1     | ✓ | Moderate water staining throughout jack arch   | 85             |                |      |
| DK   | 1  | DCK           | 3  | B        | B5                                  | A1     | A1                             | A1     | ✓ | Moderate water staining throughout jack arch   | 85             |                |      |
| DK   | 1  | MGE           | 1  | M        | F3                                  | D5     | L6                             | A1     | ✓ | Extensive corrosion with loss of section throughout outer edges. Moderate corrosion sores throughout bottom flange. Paint cover broken down.     | 30             |                |      |
| DK   | 1  | MGE           | 2  | M        | F3                                  | D5     | L6                             | A1     | ✓ | Extensive corrosion with loss of section throughout outer edges. Moderate corrosion sores throughout bottom flange. Paint cover broken down.     | 30             |                |      |
| DK   | 1  | MGI           | 1  | M        | D5                                  | C5     | L6                             | A1     | ✓ | Extensive moderate surface corrosion sores throughout bottom flange. Paint cover broken down.  | 35             |                |      |
| DK   | 1  | MGI           | 2  | M        | D5                                  | C5     | L6                             | A1     | ✓ | Extensive moderate surface corrosion sores throughout bottom flange. Paint cover broken down.  | 35             |                |      |
| DK   | 1  | PPT           | 1  | M        | F4                                  | D6     | L6                             | A1     | ✓ | Holed, knife edging. Extensive surface corrosion throughout parapet panels. Paint cover broken down.   | 10             |                |      |
| DK   | 1  | PPT           | 2  | M        | F4                                  | D6     | L6                             | A1     | ✓ | Holed, knife edging. Extensive surface corrosion throughout parapet panels. Paint cover broken down.   | 10             |                |      |
| ES   | 1  | ABT           | 1  | B        | Ex3                                 | C3     | J7                             | A1     | ✓ | Occasional isolated missing stones, open joints to 150mm deep. Areas of heavy water staining throughout. 1No vertical bed joint fracture of long | 60             | 77             |      |
| ES   | 1  | PCL           | 1  | B        | B5                                  | A1     | A1                             | A1     | ✓ | Moderate water staining throughout inner face of pad stones  | 85             |                |      |
| ES   | 1  | PPT           | 1  | B        | C3                                  | B3     | A1                             | A1     | ✓ | Occasional isolated open joints to 100mm deep. Areas of slight water staining throughout   | 85             |                |      |
| ES   | 1  | PPT           | 2  | B        | C3                                  | B3     | A1                             | A1     | ✓ | Occasional isolated open joints to 100mm deep. Areas of slight water staining throughout   | 85             |                |      |
| ES   | 1  | WWL           | 1  | B        | C3                                  | B3     | A1                             | A1     | ✓ | Occasional isolated open joints to 100mm deep. Areas of slight water staining throughout.  | 85             |                |      |
| ES   | 1  | WWL           | 2  | B        | C3                                  | B3     | A1                             | A1     | ✓ | Occasional isolated open joints to 100mm deep. Areas of slight water staining throughout.  | 85             |                |      |
| ES   | 2  | ABT           | 1  | B        | Ex3                                 | C3     | J7                             | A1     | ✓ | Occasional isolated missing stones, open joints to 150mm deep. Areas of heavy water staining throughout. 1No vertical bed joint fracture of long | 60             | 77             |      |
| ES   | 2  | PCL           | 1  | B        | B5                                  | A1     | A1                             | A1     | ✓ | Moderate water staining throughout inner face.   | 85             |                |      |
| ES   | 2  | PPT           | 1  | B        | C3                                  | B3     | A1                             | A1     | ✓ | Occasional isolated open joints to 100mm deep. Areas of slight water staining throughout   | 85             |                |      |
| ES   | 2  | PPT           | 2  | B        | C3                                  | B3     | A1                             | A1     | ✓ | Occasional isolated open joints to 100mm deep. Areas of slight water staining throughout   | 85             |                |      |
| ES   | 2  | WWL           | 1  | B        | C3                                  | B3     | A1                             | A1     | ✓ | Occasional isolated open joints to 50mm deep. Areas of slight water staining throughout.   | 85             |                |      |
| ES   | 2  | WWL           | 2  | B        | C3                                  | B3     | A1                             | A1     | ✓ | Occasional isolated open joints to 100mm deep. Areas of slight water staining throughout.  | 85             |                |      |
|  |    |               |    |          |                                     |        |                                |        |   |  |                |                |      |
|  |    |               |    |          |                                     |        |                                |        |   |  |                |                |      |
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