



| INSPECTION DEPARTMENT              |
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| Viaduct expansion joint.<br>N & S. |
| DATE. 2015.03.30                   |

(E2.1 Bridge)  
REPORT No. 466  
EXPANSION JOINTS N & S VIADUCTS

DATE: 30.03.15

A visual inspection of the North and South Viaduct expansion joints located at the north side tower and at the south pier S3 respectively were carried out on the above date; the general findings are as follows:

**South Pier S3:** The current status is as follows:

West Side: Combe plate no. 1 repairs previously carried out 06.01.15 by Engineers but noise still evident on the east side of SW1; spring packs were replaced on SW1 and SW2

East Side: Combe plate no. 2 – there is still slight movement on the west side. Combe plate no. 4 there is movement and noise evident when heavy vehicles pass over.

**Spring Damper Packs:** All spring damper packs which are in place remain intact, secure and with mild corrosion still evident on locking nuts and on packers which have not been replaced recently.

**Drainage Trough:** Throughout both carriageways heavy corrosion remains evident with paint breakdown still evident on troughs.

**North:** On the east side there appears to be slight movement on combe no. 4, on the west side combe plate no. 2 requires to be repaired with noise evident when heavy loads pass over; all the underside plate fixings continue to show signs of paint breakdown and heavy corrosion.

**Spring Damper Packs:** All spring damper packs remain intact and secure with mild corrosion evident on the locking nuts and packers which have not been replaced recently.

**Drainage:** Expansion joint (North) carriageway surface rainwater trough east to west has a build-up of road dirt/detritus evident.

**General Information:** Top side of all combe plates are in satisfactory condition with all bolts remaining in position.

All defects have been recorded and entered on the structural report programme under the relevant structure nos. 8209/8210

Bridge Inspectors:

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