



INSPECTION DEPARTMENT
Viaduct expansion joint. N & S.
DATE. 2014.09.03

(E2.1 Bridge)
REPORT No. 446
EXPANSION JOINTS N & S VIADUCTS

DATE: 03.09.14

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 plates 1 & 2 there is movement and noise still evident when heavy loads pass over; Combe plate no. 2 still requires east side of spring pack to be fitted with washers.

East Side: Combe plate no. 2 is still requiring further works to be carried out.

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 still appears to be slight movement on combe no. 2 (west side); 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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