



INSPECTION DEPARTMENT
Viaduct expansion joint. N & S.
DATE. 2013.06.25

(E2.1 Bridge)
REPORT No. 399
EXPANSION JOINTS N & S VIADUCTS

DATE: 25.06.13 to 25.06.13

A visual inspection of the North and South Viaduct expansion joints located at the north side tower and at south pier S3 respectively were carried out on the above date. This is the first inspection since 2011 due to the viaduct bearing replacement contract. In the respective period, defects have been noted and passed to the respective Maintenance Supervisor; the general findings are as follows:

South Pier S3: Expansion joint remains in an overall satisfactory condition; however Combe Plate nos. 1 & 2 on both East and West sides and both noisy and movement detected at time of inspection.

Spring Damper Packs: All remain located and intact and secure with mild corrosion evident throughout on the packers and the locking nuts.

Drainage Trough: Heavy corrosion evident, paint breakdown also evident on trough throughout both carriageways.

Important Information: As previously reported the following should be noted: Both platforms located on the north and south faces of pier S3 have been removed, therefore **no access to the pier top is now possible via the central reserve access hatch.** Access to pier S3 is **only permissible via the box girders.** Temporary scaffold tube & fitting safety barriers remain in place.

North: Expansion joint remains overall in a satisfactory condition; however combe plate no. 4 is noisy and has evidence of movement.

Spring Damper Packs: As with the south all remain intact and secure with evidence of mild corrosion throughout on the packers and the locking nuts.

Drainage: Expansion joint (North) carriageway surface rainwater trough east to west, indication of mild build up of road dirt/detritus; this trough has been cleared since the last inspection.

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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