

BC06)
REPORT No. 310.
EXPANSION JOINTS N & S VIADUCTS

DATE: 28/10/10 TO 28/10/10.

A visual inspection of the North & South viaduct expansion joints located at the north side tower & south pier S3 respectively were carried out on the above date, General findings and additional information are as follows.

Structural steelwork . : All structural steelwork appears to be intact and in a satisfactory condition.

Fixings. : Information with regards to missing nuts located on the underside of the relevant comb plates remain as past inspections. Spring pack damper units remain as past inspections heavy corrosion and road detritus evident on all units .
There is a slight noise apparent when heavier vehicles pass over plate No 2. in lane 1 on the east side (**Southbound**). There is also a slight noise apparent on plate No 2 in lane No1 on the west side (**Northbound**)when heavier vehicles pass over.

Drainage . : Expansion joint (**North**) carriageway surface rainwater trough from east to west requires to be cleaned out. Excessive road detritus evident at time of inspection. Expansion joint (Information only) (**South**) carriageway surface rainwater is now being carried by a temporary drainage system installed by contractors carrying out bearing replacement contract.

Housekeeping. : (**North**) remains in a satisfactory condition. (**South**) Works being carried out to pier top, installing strengthening corbelled concrete support for installation of new box girder bearings. Under control of contractors for duration of contract. On inspection in a satisfactory condition.

Information . : Abutment ledge protective barrier on the north side of the north expansion joint at the side tower (access east to west remains untouched temporary tube and fitting remains in place on the **east side** , through the **centre east to west** old protective barrier remains in place . Does not conform , gaps are approx 660mm between intermediate rails. On the **west side** old protective barrier remains in place Does not conform , gaps are in place . Does not conform , gaps are approx 660mm between intermediate rails. No stop end on **west side**.

(Photographs taken and all relevant information recorded on individual structure numbers.

Bridge Inspector . .:



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