



INSPECTION DEPARTMENT
Main tower expansion joint ( South ) only
DATE. 23/01/11

(BC06)

REPORT No 317.

DATE: 23/01/11 to 23/01/11.

MAIN TOWER EXPANSION JOINTS ( South only )

A visual inspection of the South main tower expansion joints was carried out on the above date, Information and current status as follows.

**Information. :** It should be recorded that new under deck access to the main-tower expansion joints was installed during 2010. It should also be recorded that a new expansion joint plate train failsafe system was installed to eliminate the possibility of any type of failure that could occur through plate movement that may create an emergency situation at any time . This was installed following a decision that was taken informing us that there would be no replacement contract as was originally incorporated in the capital plan for replacement of the main tower expansion joints. It should also be recorded that there are sections of tube and fitting scaffold still located on the lower deck handrail on the south side of the main tower.

**Structural steelwork. :** All steelwork generally remains in a satisfactory condition.

**Structural fixings. :** All fixings remain intact and secure .Protective covering breakdown evident on bolt heads , medium to heavy corrosion evident at time of inspection.

**Pins & bushes . :** located in plate ends remain in a continued state of deterioration.

**Pins & springs. :** All springs and pins located on Rocker plates , and tongue plates replaced at all locations following installation of new plate failsafe system. All fixings remain in a satisfactory condition.

**Surface plates. :** All plates remain as past inspections, showing signs of surface wear-down. These plates are monitored on a weekly basis during inspection of structure platforms.

Bridge Inspector . ;



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