



INSPECTION DEPARTMENT
Viaduct Internal N & S Report No 454
DATE. 2014.12.09

(E2.1 Bridge)
REPORT No.454
VIADUCT INTERNALS N & S

DATE: 07.01.14 to 08.01.14

The North and South viaduct box girder internals were inspected in their entirety between the above dates; the general findings were as follows:

Structurally: Generally the viaduct box girder internals are in a satisfactory condition with some evidence of corrosion throughout all the box girders where previous areas of water pooling/water ingress have been recorded in past inspections. The bolt on the west face of section box 3x between outrigger beams 13/14x which was previously reported still requires to be replaced; this can be carried out from the center gantry.

Paintwork: In general the viaduct box girder internal paintwork in both the north and south remains in a satisfactory condition. There are location which have been previously recorded where remedial works still require to be carried to be carried out.

Pier S5: SW box girder, beam location 151/152; the previous problems with stagnant water collecting due to a bung being left in place by contractors in the downpipe and which was cleared by bridge staff, remains clear and dry.

North Box Girders: Both East and West boxes overall remain satisfactory; there is currently an electrical programme of works being undertaken and remains to be completed. In the North East box girder there is slight discolouration of the floor between beams 8X - 12X this was due to water residue from a blocked drain as previously reported, the section box remains in a satisfactory condition. **Housekeeping.: Information .** Following this inspection, operations supervisors have been instructed by bridge inspectors to organize a program of works to have both North east & west viaduct box girders cleared of all debris.

South Box Girders: Both East and West boxes remain in a satisfactory condition; there is currently an electrical programme of works being undertaken in the south box girders.

Fans: All fans checked and working; in satisfactory condition.

Lighting: A number of lights were found to be faulty at time of inspection and are as follows:

SW = 4, SE = 15, NW = 3, NE = 1 – this being a total of 23

Bridge Inspectors:



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