



INSPECTION DEPARTMENT
South Side Span - Report No 378
DATE. 2012.11.28

(E2.1 Bridge)
REPORT No. 378
SIDE SPAN SOUTH

DATE: 26.10.12 to 28.11.12

The South Side Span was intermittently inspected over the above dates, other requested surveys and inspections delayed the completion time, and the general findings were as follows:

Structural Steelwork/Bolts: All structural steelwork on the South Side Span remains satisfactory with only 2 no. new missing bolts detected.

Cross Girders, Beams 8 & 3 E and W – Beam 4 and Top Lateral Upper Bolt Clusters: At time of inspection there was still evidence of road detritus in the beam rainwater passage channels at beams 8 & 3. This does not allow the natural flow of water from the upper levels; these require to be cleaned out. Also Beam 4 East and West as well as the top lateral bolt clusters have evidence of detritus and recommendation for a programme of works be organised to have these areas washed down would be beneficial.

Top Chords/Top Laterals: These are in a satisfactory condition with the exception of algae build up; therefore these areas require to be washed down.

End Trimmers: Weld crack detected above C line at PP42 SW. PP30 SW weld cracks originally detected in slow lane (Lane 1) further defects detected with broken bolt on stringer no. 1, weld cracks on stringers 1 & 2 – Temporary welding repairs carried out. Further works required to investigate probable cause of defects above, deck stiffener sub carriageway surface concrete to plate holding anchors (tang) to be excavated / inspected, repaired or replaced as required.

Stringer end Bearings (Half Joints): Since the last inspection, a trial replacement of the half joints was carried out at PP12 SW, this is now completed.

Carriageway Drainage: Road detritus still evident in drainage hoppers at various locations throughout both East and West sides.

Inner Balustrades/Air & Water Ringmain: Due to the half joint trial that was being carried out at PP12 SW a visual of the inner balustrade only was carried out as it was not possible to inspect this section of ringmain. At time of inspection the water was turned off for the winter period.

All defects recorded and entered on the structural report programme with all individual sheets distributed to the appropriate Maintenance Supervisor.

Bridge Inspectors

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