



NORTH AND SOUTH VIADUCT ACCESS PLATFORMS **INSPECTION REPORT**

On Monday 12th January and Tuesday 13th January 2009 the underside inspections of the north and south viaduct access platforms were carried out with the use of a 44 tonne mewp.

The corrosion and paint breakdown was found to be the worst in the north west platform, where it was found to be heavy to medium. This is followed by the south west where it was found to be medium to light. The south east platform was found to be in the best condition of the four, with some light corrosion on some panels. The north east had more light corrosion, which was mainly on the westerly half of the platform. A random thickness check was carried out on the north platforms as these have the worst corrosion (4 panels on west side and 3 on east side). The panels checked are denoted on platform plans by this symbol  Where it was found that the thickness is 3mm - 4mm, and with this symbol  where it was found to be 5mm – 5.5mm thick.

As the photographs show there is a great deal of blooming of nuts, as shown in photograph 4. But when cleaned as in photograph 5 the corrosion is not as severe as first appears.

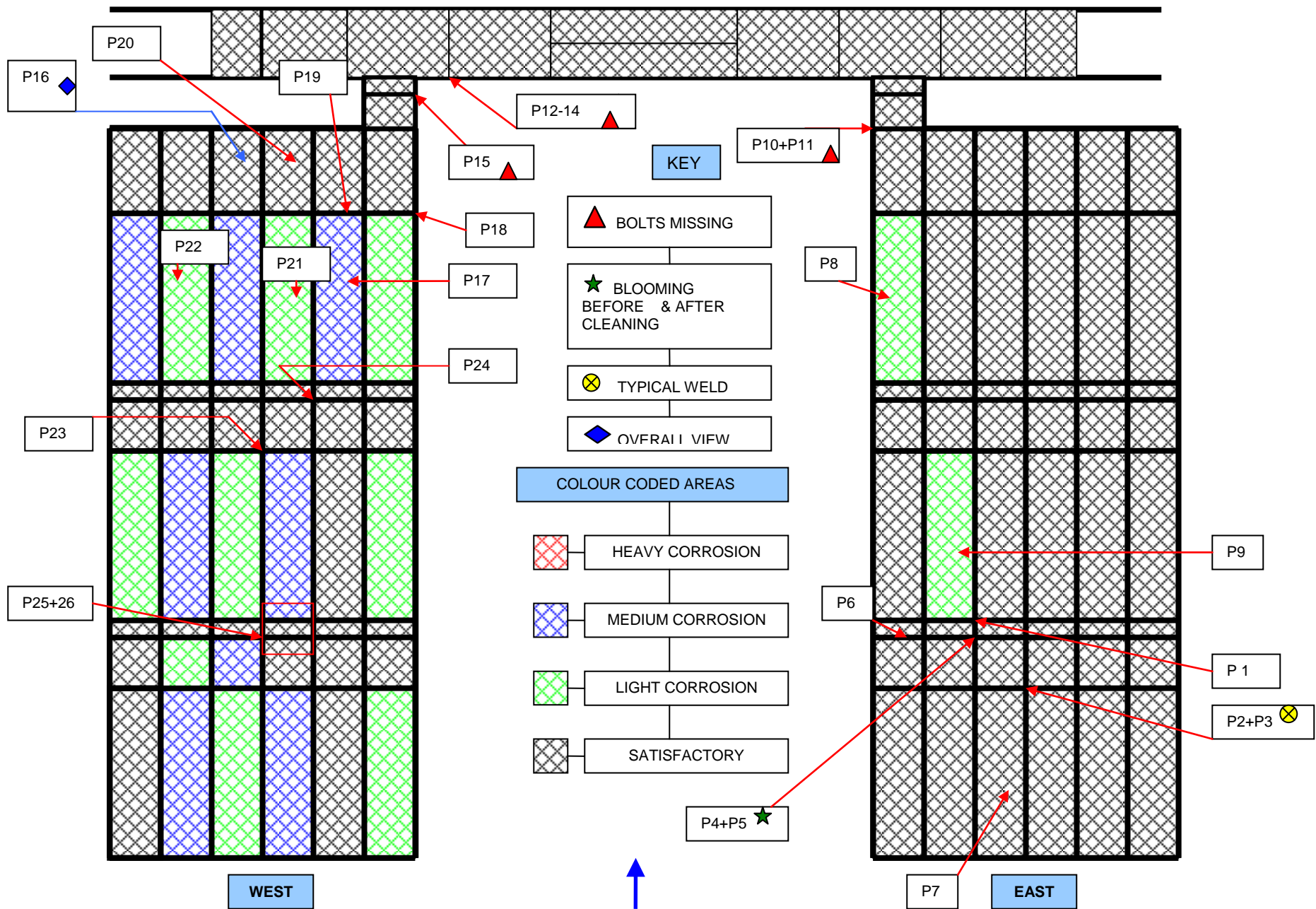
On the south platform it was found there were bolts missing or the remains of bolts after being cut with a burning torch, at three locations of intermediate steels. This is the result of the contractor C. Spencer removing handrail stanchions that also connected the beams, during the installation of the new viaduct gantries. As this was a safety issue the bridge inspectors secured the beams with twelve new bolts, whilst access was available.

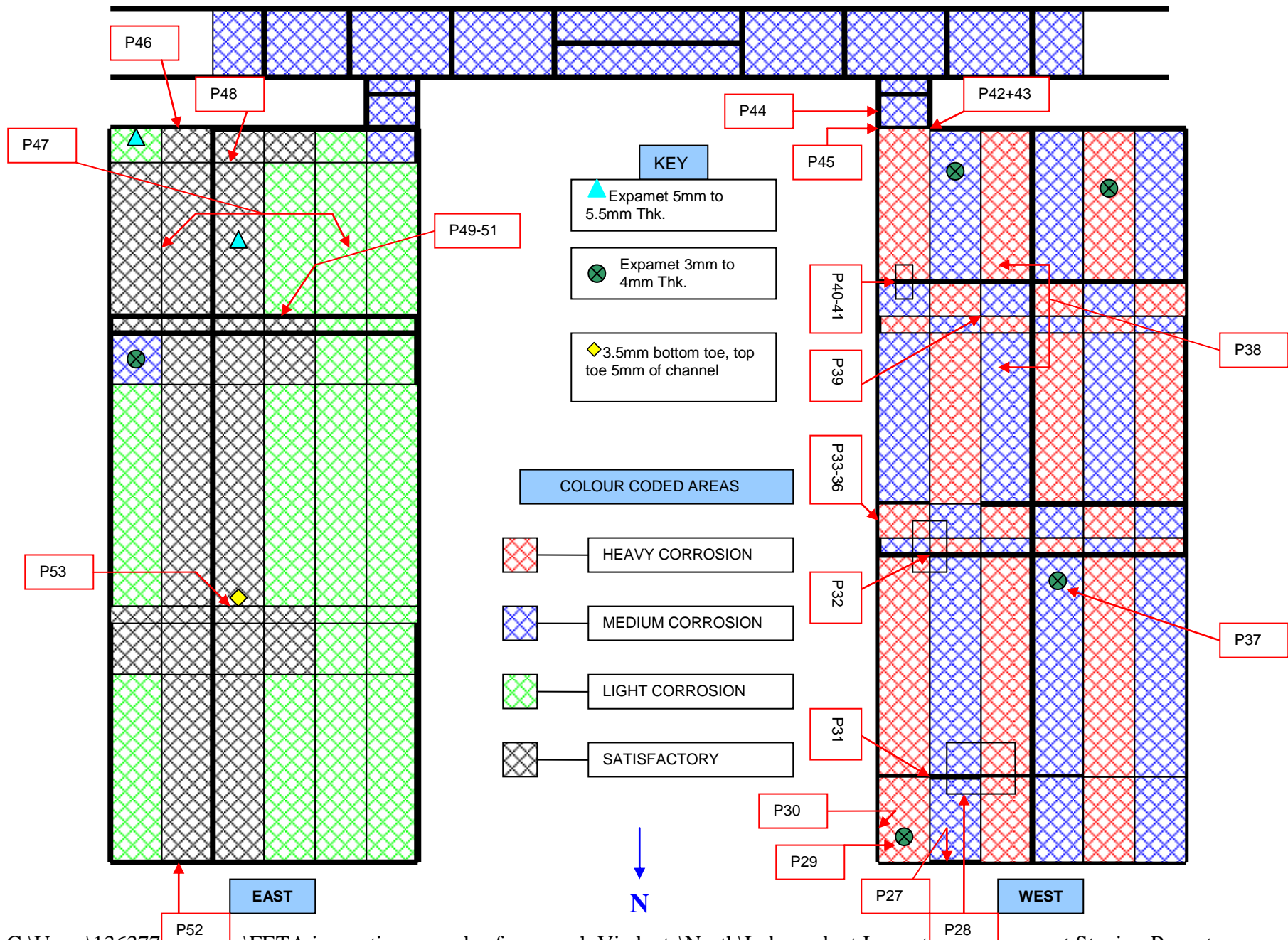
In P46 this photograph shows where the kick plate has corroded through, this is an isolated defect.

All welds appear visually to be in a satisfactory condition at the time of inspection. In general, the platforms are in reasonably good condition, with the exception of some of the expamet flooring panels.

The following platform plans denote corrosion areas, some points of interest and the location to where the photographs relate. Location and photograph run in sequence from P1 to P53.

Bridge Inspectors





SOUTH SIDE VIADUCT ACCESS PLATFORM



P1



P2 UNCLEANNED WELD



P3 WELD WIRE BRUSHED



P4 UNCLEANNED



P5 CLEANED



P6



P7 TYPICAL EASTSIDE EXPAMET



P8



P9



P10



P11



P12



P13



P14



P15



P16



P17



P18



P19



P20



P21



P22



P23



P24



P25



P26

NORTH SIDE VIADUCT ACCESS PLATFORM



P27



P28



P29



P30



P31



P32



P33



P34



P35



P36



P37



P38



P39



P42

P40



P43

P41



P44



P45



P46



P47



P48



P49



P50



P51



P52



P53