



INSPECTION DEPARTMENT
Anchorage N&S. Report No. 453
Date: 2014.12.04

(E2.1 Bridge)
REPORT No. 453
ANCHORAGES (NORTH & SOUTH)

Both the North and South Anchorage Chambers were inspected on the above date in conjunction with the monthly inspection; all the chambers remain in a satisfactory condition throughout and the general findings are as follows:

Chamber External: All the external Correin block cladding and joints on all the anchorage chambers remain in a satisfactory condition. Edge protection which has been installed on the roof of the North West Chamber remains in a satisfactory condition. There is still evidence of moss accumulation on the South Anchorage Chamber roofs; an individual defect sheet was issued to operations to arrange the cleaning of these areas, to date this has not been attended to.

Chambers Internal: Generally the North and South Chambers remain in a dry condition. In the South East Chamber the drain is usually full of water which at times encroaches out onto the floor but not of any significant amount to raise alarm. In the North West Chamber salt presence on the east and west walls at the face of the chamber requires to be removed and cleaned; paint breakdown is becoming more prominent at each inspection in this chamber. These salts are carried and deposited into the sump on the east side of the chamber which is causing crystallisation and thus deposits build-up which in turn is inhibiting movement of the float. This is being checked at each inspection and cleared by the bridge inspectors. In the SW & SE chambers there remains evidence of paint breakdown on the face, blocks and sockets with the floors and walls having paint breakdown throughout.

Services: Dehumidifiers, pumps and lighting were all satisfactory in all chambers at time of inspection with all services operational.

The RH readings are as follows:

NE: 38% unit temp 15⁰ C, NW: 40% unit temp 100⁰ C, SE: 38% unit temp 15⁰ C,
SW: 39% unit temp 15⁰ C.

Fittings: All the fittings in the chambers were satisfactory at time of inspection.

Face Assemblies: At time of inspection all the saddles, shoes, blocks, rods and nuts were in a satisfactory condition.

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Main Cable Strands: All the strands remain satisfactory with the exception of the strand located on crosshead block R6 in the SE Chamber.

Crosshead Blocks, Poured Sockets and Strand Shoes: All these remain in a satisfactory condition with no evidence of any movement.

Chamber Access Doors: All chamber access outer metal access doors are beginning to show signs of corrosion on their exterior faces; since time of last inspection the doors at the North Anchorage have been painted.

Perimeter Fences: Since time of last inspection the fencing at the North Anchorage Chambers has been painted. At the South Anchorage a section of fencing has been removed and left lying behind the perimeter fence; on the west side there is no hard-standing in place for ladder access to the bottom door of the side tower as there is on the East side. The East fence line remains as previous inspection; although secure in position it still requires to be re-aligned.

Bridge Inspector: