



INSPECTION DEPARTMENT
Anchorage N&S. Report No. 474
Date: 2015.07.10

(E2.1 Bridge)
REPORT No. 474
ANCHORAGES (NORTH & SOUTH)

DATE: 08.07.15 to 10.07.15

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

Chambers External: All the external Corenne block cladding and joints on all the anchorage chambers remains 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. At time of inspection there was excessive heavy rain falling outside, there was evidence of very slight rain ingress coming through roof (i.e. water dripping down onto steps) returned the following day while it was raining and there was no water dripping into chamber, will continue to monitor for any future ingress. 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: 41% unit temp 25⁰ C, NW: 41% unit temp 115⁰ C, SE: 37% unit temp 25⁰ C,
SW: 40% unit temp 5⁰ C.

Fittings: All the fittings in the chambers remain in a satisfactory condition.

Face Assemblies: All the saddles, shoes, blocks, rods and nuts remain in a satisfactory condition.

Main Cable Strands: All the strands remain satisfactory with the exception of the strand located on crosshead block R6 in the SE Chamber which was temporarily secured with cable ties, no further breakages detected.



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

Chamber Access Doors: Since time of last inspection the doors at the North Anchorage have been painted.

Perimeter Fences: 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.

General Information: At present there is scaffolding erected in both chambers this is to allow the electricians to install the new gas alarm system. Since time of last inspection, Stanley Alarms have been on site and there is now a new alarm system in place and operational in all anchorage chambers.

Bridge Inspector: