



INSPECTION DEPARTMENT
General Report – Main Cable Backstays North & South
DATE. 18.01.12

(BC07)
REPORT No 344.
MAIN CABLE BACKSTAYS N & S

DATE: 17.01.12 to 18.01.12

The main cable dehumidification programme of works was completed in 2010 and all snagging and remedial works were carried out in 2011. No inspections were carried out since the last inspection due to works being carried out and personnel access procedures.

A full visual inspection of the main cable backstays was carried out on this inspection and the general findings are as follows:

Paintwork: In general the paintwork remains in a satisfactory condition.

Cable Bands: All cable bands throughout the length of the backstays are in a satisfactory condition.

Cable Band Bolts: All cable bands throughout the length remain in a satisfactory condition with only slight to medium corrosion evident on the exposed faces, threads of bolts.

Cable Band Bolt Nuts: **NO** cracks were found on any of the cable band bolt nut faces although paint breakdown and corrosion was evident on certain nuts (predominately the prevailing weather element faces). Remedial works were recommended at the time of the last inspection to replace protective coating on damaged paintwork to prevent any further deterioration; to date this has not been implemented.

Handstrand Stanchions: There are no changes to the condition of the stanchions and they remain satisfactory.

Anchorage Sleeves: As part of the main cable de-humidification programme of works, anchorage sleeves or cable cover plates were removed, refurbished, replaced and resealed to ensure prevention of possible ingress of water between exterior face of corrennie cladding and interior of chambers main cable strands. All sleeves remain in a satisfactory condition.

Side Tower Sleeves: These sleeves as at the last inspection had been removed, repainted and re-sealed and at the time of the inspection all defects were recorded. There are no outstanding defects and are in a satisfactory condition.

Bridge Inspectors:



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