



INSPECTION DEPARTMENT
Cable band bolt nut inspection.
DATE. 02/04/12 to 06/04/12

Following the main cable inspection which was carried from Tuesday 28/02/12 to Friday 02/03/12. where throughout the structure a total of 15 bolt locations were recorded as having a total of 16 defective ( cracked nuts ), a requested monthly ongoing inspection regime to monitor the existing defects and to inspect and record any further defective locations found during these inspections was imposed.

Recorded are the general findings of this inspection carried out intermittently between dates Monday 02/04/12 to Friday 06/04/12.

#### North west side span.



PP. 20 North west side span.  
Bolt " B " Live side.  
1 crack in nut

During main cable inspection cable band Bolt "D" was found to be defective on the live side. ( this means that there are now two defective bolt locations at this position which is a cable band containing 6 bolts. )

This nut defect was not apparent at time of inspection carried out on main cable inspection carried out between dates 28/02/12 and 01/03/12. Slight indication below protective paint coating on inner edge of nut led to the removal of paint on this face which exposed the full extent of crack.

No other defects found.

All other photographic records and locations of nut defects are recorded in BC 04 , cable bands, FRB inspections, cable band nut defects 28/02/12 - 01/03/12. suspended structure defective nuts.

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### **North east side span.**

No other defects found. No change to defective nut condition. All defective nuts recorded on the North east side span remain intact and secure. No evidence of cable band slide or movement evident at time of inspection.

All other photographic records and locations of nut defects are recorded in BC 04 , cable bands, FRB inspections, cable band nut defects 28/02/12 - 01/03/12. suspended structure defective nuts.

### **Mainspan north east.**

It should be recorded that defective bolts were replaced on Sunday 25/03/12, Bolt "D" Live & Bolt "B" dead side were replaced at PP. 54 N/E..

No other defects found. No change to defective nut condition. All defective nuts recorded on the North east side span remain intact and secure. No evidence of cable band slide or movement evident at time of inspection.

All other photographic records and locations of nut defects are recorded in BC 04 , cable bands, FRB inspections, cable band nut defects 28/02/12 - 01/03/12. suspended structure defective nuts.

### **Mainspan north west.**

No other defects found. No change to defective nut condition. All defective nuts recorded on the North east side span remain intact and secure. No evidence of cable band slide or movement evident at time of inspection.

All other photographic records and locations of nut defects are recorded in BC 04 , cable bands, FRB inspections, cable band nut defects 28/02/12 - 01/03/12. suspended structure defective nuts.

### **Mainspan south west.**

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#### **Mainspan south east.**

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All other photographic records and locations of nut defects are recorded in BC 04 , cable bands, FRB inspections, cable band nut defects 28/02/12 - 01/03/12. suspended structure defective nuts.

#### **South west side span.**

No other defects found. No change to defective nut condition. All defective nuts recorded on the North east side span remain intact and secure. No evidence of cable band slide or movement evident at time of inspection.

All other photographic records and locations of nut defects are recorded in BC 04 , cable bands, FRB inspections, cable band nut defects 28/02/12 - 01/03/12. suspended structure defective nuts.

#### **South east side span.**

No defects were found during the main cable inspection carried out 28/02/12 - 01/03/12. This remains the current status ,no defects to be recorded.

This brings the total defects recorded to 16 bolt locations with 17 defective nuts over completed inspections.

As mentioned at PP 54 N/E defective bolts were replaced, therefore current status on suspended structure is 14 bolt locations with 15 defective nuts

Bridge Inspector