



RODS
M36 Grade 8.8 RODS
EACH TENSIONED TO
35 TONNES.

WASHERS
SPHERICAL WASHERS.

STAGE 1 OUTLINE PROCEDURE

THE FOLLOWING PROCEDURE SHALL BE CARRIED OUT IN THE PRESENCE OF THE PROJECT MANAGERS INSPECTOR.

1. INSTALL TEMPORARY CABLE BAND (See Drawing No. 47484/W/902) ON LOWER SIDE OF EXISTING CABLE BAND.
SEE "TEMPORARY CABLE BAND INSTALLATION NOTES" 1 to 4, ON THIS DRAWING.
2. ALLOW F.E.T.A. TO REMOVE THE END CAPS AND MEASURE THE LOAD / EXTENSION IN EACH BOLT.
3. USING A PROPRIETARY TORQUE WRENCH AND MULTIPLIER ON THE UNDAMAGED NUT, HYDRATIGHT SHALL DE-TENSION THE TOP UPPER BOLT IN ¼ OF A TURN INCREMENTS, ALLOWING F.E.T.A. TO MEASURE THE LOAD / EXTENSION IN THE OTHER FIVE BOLTS BETWEEN INCREMENTS.
4. CAREFULLY ATTEMPT TO REMOVE THE EXISTING BOLT.
IF THE BOLT PROVES TO BE DIFFICULT TO REMOVE AND IT IS SUSPECTED THAT IT MAY BE DIFFICULT TO INSERT A NEW BOLT, THEN THE **STAGE 2** PROCEDURE WILL BE REQUIRED.

SEE DRAWING No. 47484/W/916 FOR STAGE 2 OUTLINE PROCEDURE.
5. IF THE EXISTING BOLT CAN BE REMOVED RELATIVELY EASILY, REPLACE IT WITH A NEW BOLT AND ALLOW F.E.T.A./HYDRATIGHT TO TENSION THE BOLT TO APPROX. 80 TONNES IN ACCORDANCE WITH THEIR EXISTING TENSIONING PROCEDURE. THE OTHER THREE BOLTS MAY ALSO NEED TO BE TIGHTENED.
6. REMOVE THE TEMPORARY CABLE BAND AND REINSTATE CABLE GUARD WRAPPING AND SEALING MATERIALS.

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. DIMENSIONS MUST NOT BE SCALED FROM THIS DRAWING.
3. CHS TO BE S355J2H STEEL TO EN10210-1.
4. ALL STEEL PLATE TO BE S355J2+N TO EN10025-2.
5. PROTECTIVE TREATMENT - ALUMINIUM METAL SPRAY.
6. SEE DRAWING No. 47484/W/902 FOR STEELWORK DETAILS.

TEMPORARY CABLE BAND INSTALLATION NOTES

1. CSL SHALL REMOVE CABLE GUARD WRAPPING AND INSTALL TEMPORARY BANDS ON TOP OF WIRE WRAPPING.
2. EACH TEMPORARY BAND WILL WEIGH APPROX. 600Kg.
3. THE TEMPORARY CABLE BAND THREADED RODS SHALL BE CAREFULLY TENSIONED BY HYDRATIGHT TO AN APPROVED SEQUENCE, IN ORDER TO MAINTAIN EVEN AND EQUAL GAPS BETWEEN TWO HALVES.
4. THE TIGHTENING OF THE TEMPORARY CABLE BAND THREADED RODS AND REMOVAL OF THE DAMAGED BOLT SHALL BE CARRIED OUT IN THE PRESENCE OF THE PROJECT MANAGER'S INSPECTOR.

B	11/11/09	ISSUED AS "AS - BUILT"	MPS	MJB	CPEC
A	26/06/08	ISSUED FOR CONSTRUCTION	MPS	MJB	CPEC

Rev Date Detail Made Chk'd App'd

Status :

AS BUILT

Client:

Forth Estuary Transport Authority

Project:
**FORTH ROAD BRIDGE
MAIN CABLE
DEHUMIDIFICATION SYSTEM**

Title:
**ADDITIONAL WORKS
REPLACEMENT OF
CABLE BAND BOLT AT
PANEL POINT 20NW**

Eng: MJB CAD: MPS
Chk'd: MJB App'd: CPEC
Date: JUNE 2008 Scale: AS SHOWN


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