

RODS

35 TONNES.

## **STAGE 1 OUTLINE PROCEDURE**

- THE FOLLOWING PROCEDURE SHALL BE CARRIED OUT IN THE PRESENCE OF THE PROJECT MANAGERS INSPECTOR.
- . INSTALL TEMPORARY CABLE BAND (See Drawing No. 47484/W/907) ON **LOWER** SIDE OF EXISTING CABLE BAND. SEE "TEMPORARY CABLE BAND INSTALLATION NOTES" 1 to 4, ON THIS DRAWING.
- 2. ALLOW F.E.TA. 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, DE-TENSION THE **LOWER** BOTTOM BOLT IN ¼ OF A TURN INCREMENTS, ALLOWING F.E.T.A. TO MEASURE THE LOAD / EXTENSION IN THE TWO UPPER 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/906 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.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**

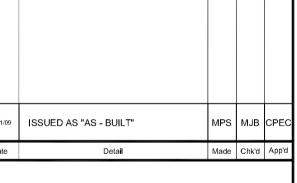
- . ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
- 2. DIMENSIONS MUST NOT BE SCALED FROM THIS DRAWING.
- 3. CHS TO BE S355J2H STEEL TO EN10210-1.
- 4. ALL STEEL PLATE TO BE \$355J2+N TO
- 5. PROTECTIVE TREATMENT -ALUMINIUM METAL SPRAY.
- 6. SEE DRAWING No. 47484/W/906

FOR STAGE 2 OUTLINE PROCEDURE.

7. SEE DRAWING No. 47484/W/907 FOR STEELWORK DETAILS.

## TEMPORARY CABLE BAND **INSTALLATION NOTES**

- . 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 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.



AS BUILT

Status :

Forth Estuary Transport Authority

FORTH ROAD BRIDGE **MAIN CABLE** DEHUMIDIFICATION SYSTEM

ADDITIONAL WORKS REPLACEMENT OF CABLE BAND BOLT AT PANEL POINT 24SW

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

**AECOM** 

5th Floor 2 City Walk, LEEDS, LS11 9AR

Tel: +44 (0) 113 391 6800 Fax: +44 (0) 113 391 6899 www.aecom.com

**No.** 47484/W/905