Forth Estuary Transport Authority

FORTH ROAD BRIDGE

| INSPECTION DEPARTMENT |
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| Mainspan N & S. General report. |
| DATE. 03/08/10 |

(BC08)
REPORT No.304 DATE: 04/07/10 TO 03/08/10.
MAIN SPAN N & S

The main span north & south were inspected over the above dates, general findings were as follows. :

**Structural steelwork.** : Generally steelwork remains in a satisfactory condition. Areas of salts beginning to become more prominent on the deck soffit steelwork & deck stiffeners ( troughs ). This inspection produced a further 7 in No bolts taking the total to which are either broken, sheared or missing outstanding to 67.

**Walkways. :** "A" Lines Still remains an issue , very little or no progress with previous inspection reports related to loose splice plate bolt , mesh repairs and other fixings. There are several areas throughout main-span south where now where the " c" line support verticals ( west side )are through movement & vibration beginning to wear on the stringer No2.

**Ducts & conduits. :** On the North east main-span on the inner balustrade service ducts which are located under the cycle track there is a section of pipe-work from approx PP67 north east to PP. 80 south east ( detail of pipe-work changes at this location ) where a total of 38 in No pipe clamps ( handcuff style ) are broken supports required. There are several locations where the pipe-work is being supported by ropes. This has been commented on in past inspections and included in the MSPI. Inspection sheet.. This work can be carried out via the rolling upper front principal inspection remedial repair works .

**Inner balustrade . :** Advitam main cable dehumidification sensor power boxes located at PP 48 N/E & PP48S/E appear to have been damaged by contractors will require attention . No damage evident to power cable supply cables at time of inspection. ( "e " mail sent with attachment photographs of damage to project manager )

**Carriageway drains. :** Drain gully pots at edge of carriageway both east & west now beginning to gather road debris. Various locations throughout the mainspan now have different objects being wedged in rainwater outlet preventing self cleaning removal by rainwater.

All defects recorded & entered on structural report programme. All individual sheets distributed to appropriate maintenance inspectors.

Bridge inspectors .