

FORTH ESTUARY TRANSPORT AUTHORITY. FORTH ROAD BRIDGE.

Suspended Span Outer (Slow lane) Carriageway Barrier component.

Introduction : During a meeting held on Tuesday 01/11/05 between the E.S.M. & F.e.t.a. Bridge inspectors, a request was made to carry out an inspection & investigation of details of suspended span outer carriageway barrier bracket fixings (main span). It was agreed by both parties that the principal inspection upper front platform staged area would be used (for safe access) and **PP.64 North E & W** would be the selected locations. Following further discussions, the E.S.M. asked if it would be possible to obtain the relevant information required from another six random locations. F.e.t.a. bridge inspectors chose locations **PP 101 E&W, PP 65 South E&W & PPs 76 & 72 South east** . These areas were selected as platform access was already in place.

N.B. For record purposes if required. **PPs. 64 E&W** were stripped of all protective coatings and a 100% liquid penetration inspection carried out on all relevant welds. (**PP 64 W**) only. All welds satisfactory.

Purpose of inspection / investigation. : To confirm actual site weld section dimensions & plate thickness against Consulting Engineers Flint & Neil drawing dimensions in as designed drawing **No 948/SB/002, detail "A", section 1-1, and plan on 3-3.**

Methods used to record actual information : Visual, written & Photographic. Weld dimensions taken using **E.S.A.B. welding gauge KL 2**. Plate thickness checks taken using a **Krautkramer model DM4 DL U.T. thickness gauge.& Vernier measurement gauge.**

Findings. : Please refer to photographic & written survey sheets attached for all relevant information required related to all selected locations.

Bridge Inspectors. :