

REFURBISHMENT OF JUBILEE BRIDGE

ASHTON-UNDER-LYNE, TAMESIDE, GREATER MANCHESTER

Client:

Tameside Council

Summary:

Refurbishment & Strengthening
Project of a 1935 Life-Expired
Bridge



PROJECT DETAILS

Innovative strengthening project involving the installation of 14 N° 1m wide 7.4m span Macrete pre-cast concrete 'flexi-arch units' underneath the existing bridge, filling the void between the ex structure and the arch with mass light-weight concrete, making the existing structure redundant. The arch was jacked, unit by unit, along reinforced in-situ concrete abutments ast inside the existing structure and sitting on ground beams supported by 28 N° 250mm bored piles installed under the bridge. This was the first time that 'flexi-arches' have been used in a bridge refurbishment / strengthening project, and AEY worked closely with supplier Macrete to plan / develop a safe installation method.



A. E. YATES Ltd. Cranfield Road, Lostock Industrial Estate, Lostock, Bolton, BL6 4SB ☎ 01204 696 175