

Case Study

GLOUCESTER SOUTH WEST BY-PASS

Client: Gloucestershire County Council

Consultant: Halcrow

Main Contractor: Norwest Holst

Anchor Installer: [Smith's \(Gloucester\) Ltd](#)



PROJECT SPECIFICATION

A stream feeding the Gloucester and Sharpness Ship Canal needed to be redirected as part of the overall construction of the by-pass. A new channel was cut and erosion protection measures were required.

SOLUTION

Several layers of material were used to create a water tight base in the channel. S6 Geo anchors were installed and proof tested to 5kN, using hand held equipment, to secure Maccaferri MacMatR in position and provide an easily installed erosion protection scheme. The redirected section of the river was then linked up with the Ship Canal.

Anchor System: S06EA aluminium alloy anchor c/w 2m of 4mm Ø stainless steel wire tendon, 92mm Ø polyethylene load plate & 4mm recessed wedge grip.

Quantity: 72

Anchor Design Life: 20 yrs

Soil Type: Clay overlying sand

