

Bridgwater West Quay Emergency Works – Stabilisation 2012 Fleming Award awarded to Scheme



Description:

Stabilisation of the carriageway which was washing away with each tide. The carriageway contained High Voltage cables, live sewer and other services. Work was completed between tides with a fast setting high strength shotcrete. The stabilisation works then allowed Engineers to devise a suitable long-term solution to the collapsed river wall and its eventual reconstruction.

With this short-term stabilisation, the carriageway would have continued to erode, resulting in the damage of the town's services and potential collapse of the riverside buildings.

Key aspects:

- Rapid response, the Shotcrete team and their specialist in-house equipment were on site within 12 hrs.
- Use of fast setting C40 shotcrete, reinforced with steel fibres, enabled works to be completed between tides.
- Use of suspended access reduced risk of operatives having to work in the collapsed area.
- Shotcrete stabilised the wall enough that it remained in place throughout the repair without it collapsing. This enabled the safe removal of the masonry and its subsequent reuse.

KEY ASPECTS:

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CLIENT
Crestmoor
Construction

COMPLETED
November 2011

