

Varley and Gulliver Ltd.

(Contracts Division).

M4 Motorway Cardiff.

Scheme: M4 Coryton to Miskin, Baco Parapet Replacement.

Client: Cardiff County Council.

Contractor: Varley and Gulliver Ltd.

A first during 2003/04 for Varley and Gulliver was adopting the role of Principal Contractor for the replacement of Baco 300 parapets on three bridges over the M4 motorway. Establishing the construction phase, health and safety plan meant liaising with various statutory bodies and ensuring full compliance with CDM regulations.

Varley and Gulliver placed Varioguard temporary barrier before erecting the Combisafe Edge Protection and removing the sub-standard Baco 300 Parapet.

The existing SEETRU anchors failed the pull out and were overcored and replaced with HAPAS approved stainless steel resin anchors



Due to restrictions imposed by traffic management the majority of the work had to be carried out at night.

All work including new safety fencing on the approach and depart was completed within a 12 week period and on completion;

Chief Highways & Parks officer, Tony Williams said:

“Cardiff County Council acting as agent to the Welsh Assembly Government were very pleased with the success of the parapet replacement scheme. The use of “combi safe” edge protection and Varioguard temporary vehicle barrier both contributed towards ensuring the safety of the workforce and road users. Varley and Gulliver’s integrated approach to the works assisted greatly in minimising traffic management costs and delays to road users.”

Aluminium Bridge Parapets
- to EN 1317

Steel Bridge Parapets – to
EN 1317

Anchorage Units – Varley &
Gulliver’s partial Stainless
Steel Anchorage units for
bridge parapets are BBA
approved.

V & G Rail (Adjustable
Aluminium Pedestrian
Guardrail) - to BS 7818.

Steel Pedestrian Barriers –
to BS 7818.

**Aluminium Sign Support
Gantries** – to BD 51 and
BS 8118.

**Aluminium Walkway
Enclosures.**

**Aluminium Ladders and
anti access grills.**

Aluminium Scaffolding

Aluminium Access Units

Aluminium Beams

**Roof trusses & Stage
lighting trusses**

**Batch Products of general
aluminium, mild, steel and
stainless steel fabrications.**

**Aluminium pit inspection
covers and jacking beams.**

**General sheet metal
fabrications and brake press
work.**