

PROJECT DETAILS

Customer:
CAN Ltd

Location:
Wales, UK

Project Duration:
11/2018 - Ongoing

Products Offered:

- R32(S) galvanised soil nails
- Steel bearing plates
- ATB500 galvanised solid bar

Industry Sector:
Construction - Infrastructure

Applications:
Soil nailing
Rock bolting



A465 HEADS OF THE VALLEY CASE STUDY.

The A465 Heads of the Valleys upgrade is the biggest road project in Wales and one of the biggest in the UK. Planning began in 1990; the project was given the go-ahead by the Welsh government in 1999 and work on the first of five phases began three years later.

CHALLENGE

As of December 2018, three sections have been completed, Abergavenny to Gilwern, Brynmawr to Tredegar and Tredegar to Dowlais.

The final two phases, Dowlais to A470 and the A470 junction to Hirwaun have commenced, with completion of the whole £223 m scheme scheduled for 2020.





SOLUTION

In total, over 11,000 soil nails will be installed across the 8km site, with a large quantity of R32S self-drilling nails with 76 mm and 110 mm tungsten carbide drill bits supplied by Minova UK.

Most of the drilling has been done with hydraulic drilling attachments mounted on an excavator boom. The excavator works downwards from the top of the slope as the roadside is progressively cut back.

Where access for drilling is more difficult, rope access techniques and bespoke A-frame cradles secured from above are utilised.

On rocky embankments, where the risk is less from landslip and more likely from loose rock falling onto the road below, steel mesh debris netting has been installed. Here, anchors are driven into the rockface at intervals (typically 1 m-2 m centres) before the steel mesh is unrolled from the top of the slope.

RESULT

Our steel products continue to provide a pivotal role in ensuring safety to the site and future success of the largest road scheme in Welsh history.

Minova wishes to thank CAN Ltd for their support and permission to publish this case study.

ACHIEVEMENTS

- Minova continues to supply materials to site on time.
- High quality products supplied with no issues reported.
- Customer requirements met at all times.

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PERFORMANCE.
TOGETHER.**