

# Case Study – Safeguarding Highway and Properties

## Project

- Over 200T of rock failed from a face in Wicklow, Ireland resulting in structural damage to properties below. The failure also undermined a section of highway resulting in its partial collapse.

## Client Requirements

- Inspection and design of remedial measures along the full length of the road was specified to ensure that the client's capped funds were allocated to the most high-risk areas.
- Robust re-construction was demanded to enable the road to be re-opened to traffic and to safeguard the residents below whilst minimising disruption.

## CAN Solution

- Following an inspection of the site by CAN Geotechnical, a comprehensive design package was produced for the stabilisation of several high risk areas that were in very close proximity to residential and commercial properties.
- The design called upon a range of stabilisation techniques including rock bolts, DCP anchors, sprayed concrete and r.c. works (both in situ and pre-cast) and installation of rockfall netting.



- Specialist plant and equipment was utilised to enable safe but effective working within the extremely tight space constraints.
- CAN remained flexible in its approach to the works revising design and working methods to suit the changing site conditions throughout the duration of the contract.

