







Project Title:	Graig Tunnel
Client:	Highways England
Date of Work:	Jan 2013

## Project description

The work involved the following:

- Traditional brickwork repairs.
- Re-pointing.
- Installation of Avonguards on fractures.
- Trial pits and trenches.
- 3no panels of sprayed concrete at 9ch.
- Cored holes for visual inspection with Endoscope.
- Ecological Work Fitting bat bricks, bat boards, excluders on refuge.
- Filling refuges with block-work and concrete.
- Installation of Mortar Tabs.
- Dressing back brickwork.
- Sprayed concrete lining from 5.5ch to 12.25ch.
- Ecological Work Fitting bat bricks, bat boards.
- Removal of south portal block-work wall and gat and installation of new steel gate system.

## **Project Constraints**

Ecology.

Public Interface.

Poor condition of structure.

3<sup>rd</sup> party negotiations (landowners).

High Level access.

Plant and Materials delivery logistics.

Site Security.

Confined Space Working.