

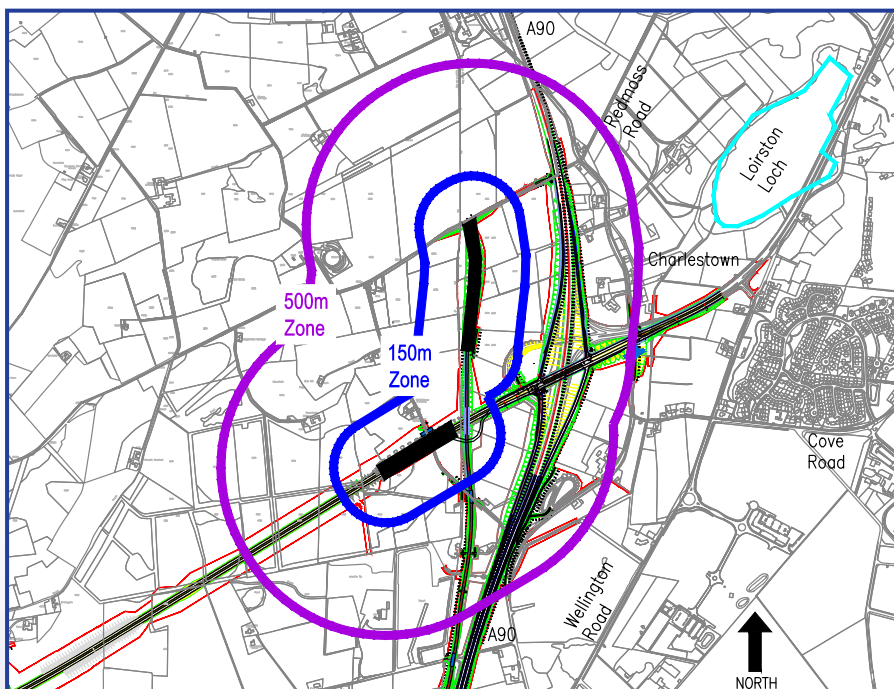
Rock Excavation – Charleston (Update May 2016)

The AWPR/B-T is the largest roads project currently under construction in the UK. Along the 58 km route a sustainable approach to the works is being undertaken with an emphasis on reusing and recycling materials wherever possible. It involves the excavation and transportation of some 10 million cubic metres of earthworks of which 3 million cubic metres or 7 million tonnes is hard rock. Some of these earthworks will require drilling and blasting works.

What does this mean for you?

The second phase of blasting works in the Charleston area will continue until around **6 June 2016**. These works will take place between 10am and 4pm Monday to Friday with the aim of one blast each day. These works will enable rock to be removed from the area to lower the ground to the level of the new road. This is the second of several phases of blasting in this area. Information on subsequent phases of blasting will be provided shortly before each phase commences.

The map shows the location of the works and highlights two separate zones. Prior to the blasting works properties within 150 metres of the blast site will have a pre-condition survey carried out and those within 500 metres will be informed of the work by letter. All necessary health and safety precautions have been taken.



Blasting in Hard Rock

Where hard rock is encountered it will be removed with careful use of explosives by a specialist company. Aberdeen Roads Limited would like to assure you that this work is being undertaken by experienced professionals who have safely undertaken similar work across the UK in the past. The site will be carefully managed and under the control of a supervisor at all times during this work.

Drilling and blasting is used frequently on road projects where hard rock is present. No explosives will be stored on site overnight.

Rock Excavation – Charleston (Update May 2016)

Blasting Procedure

A number of holes will be drilled into the rock for each separate blast. Following each blast, the rock will be removed using excavators, broken up and then transported by dump trucks to designated processing areas.

The amount of explosive used will be carefully calculated and the blast sequence will be controlled to keep any vibration on nearby properties, structures and services to a minimum. Equipment will be set up at specific locations to record and monitor the data from each blast.

Safety Controls

There will be close liaison to ensure that the surrounding area is cleared prior to each blast. The blasting supervisor will post safety officers at strategic locations around the area to ensure it is safe to proceed before blasting can take place.

The following procedure will apply for each blast:

- (1) The blasting supervisor will check with safety officers to ensure that the area is clear;
- (2) **Three** minutes prior to firing the blast a siren will be sounded for **30** seconds;
- (3) Immediately prior to firing there will be **three** short sounds on the siren;
- (4) When the blast has been fired and after inspection by the blasting supervisor the all-clear will be given by **two** short sounds on the siren.

What you will see and hear

On firing of the blast a plume of dust may be seen followed by a 'dull thud'.

Sustainability

Recycled material will be used to form embankments or be processed to make aggregates for concrete, road and drainage purposes. This will minimise the need to transport materials on public roads and reduce the carbon footprint of the project.

Traffic Management

Safety officers will be on roads as required to ensure the safety of road users in the vicinity of the blast area.

This may affect the following roads:

C5K Lochton-Auchlunies-Nigg road and access tracks to properties adjacent to the planned works.

Further Information

Further information on the project can be obtained from the project website

www.transportscotland.gov.co.uk/awpr-bt

Any queries in regards to these works may be raised via the enquiries helpline on

0800 058 8350 or **enquiries@aberdeenroads.com**