Slope Stabilisation Works:

Aberdeen Council’s Projects team have begun works to deliver Option C identified in the Gardenstown Landslide Temporary Landslide Management Options Appraisal, dated 05 April 2018.

This option comprises preliminary stabilisation of the landslide in the form of soil nailing and meshing to restrict slope movements/degradation and deposition of material behind existing blockwork wall and onto road.

The aim of this option is to continue to provide unsupervised road openings.

BAM Ritchies have been employed by Aberdeen Council to undertake the design and construction of these preliminary stabilisation measures and Atkins have been appointed by Aberdeen Council as contract supervisor for the duration of the works.

BAM Ritchies are now on site and, following delivery of plant and materials, have commenced work to install the mesh netting on the slope.

A narrow width drill rig is located at the top of the slope requiring the removal of the decking around the North face of the Gardenstown New Church and the removal of a large section of the boundary wall.

The drill rig is powered by compressed air which is fed from a compressor situated at the toe of the slope in a layby on Harbour Road. Supply lines are run from this up the slope to the drill rig.

Works at the top edge of the slope have commenced with the drilling of vertical boreholes to establish depth to bedrock.

Upon reaching bedrock the boreholes are continued to an average depth of 4m into competent rock allowing the installation of the top line of vertical anchors.

It is anticipated that 11 crest level anchorages are required.

As well as anchoring the top of the mesh these anchors are to be utilised for supporting the wire to suspend the ‘skid rig’ drill down the face of the slip to allow the installation of the anchors in the face to tension the TECCO mesh.

Additional protection has been provided at the base of the slope in the form of Heras panel fencing and netting installed along the back of the block work wall. This has allowed for the continued De-vegetation of the crest of slope and clearing of loose debris in preparation for the installation of the soil nails, grout and TECCO mesh.
Road Openings:

Harbour Road was re-opened to 24hr full access as of 12.00pm on Friday 27th April 2018.
A temporary traffic light system is on stand-by during the initial period of de-scaling the slope. These temporary lights do not operate like normal traffic lights and only the red light will be utilised.

When the motion sensors on the slope detect any abnormal movement that could pose a risk to road users, the red light will be switched on.
In this instance, road users should not pass through the lights until an inspection has been carried out by BAM Ritchies’ rope access team and the lights reset.

During normal working periods the red (road closed) light is not activated and drivers should, as was previously the case prior to the landslip, operate a “give and take” system due to the narrow width of the carriageway.

Once the slope descaling is complete a fully automated system will be installed for the remaining period of the works details of which will follow in the next update.

It should be noted that during the works, there may be periods of time where access may be delayed due to delivery/movement of plant and equipment or where it is deemed necessary to lower loose material down the slope.

Site Working Hours:

Working hours on site are 0800 – 1800 daily.

Works will continue on a 12 day rotation with every second weekend designated as a non-work period.

Exceptions to the working hours above are on Sundays where we have prohibited drilling during the Church’s morning service between 1030 – 1230 and evening service between 1730 – 1930.

Our intention is to permit staff to undertake other activities which do not involve excessive noise (e.g. clipping mesh, fixing head plates etc.).

Further information can be found on our website at: http://bit.ly/gardenstownslip

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