

## Research regarding soil quality strength constant determination of glide plane

### [ Point ]

In this research, we aimed determination of glide plane soil quality strength constant by soil quality test using boring core as sample, we made basic examinations, such as available range of boring core for the test, applicability of test specimen, which is smaller than standard size, and distribution and variability soil strength of glide plane, and the results are as follows. (1) Boring core is available for soil quality test sample. (2 ) It seemed difficult to introduce the result of soil quality test using the smaller sized test specimen, as design strength. (3) It's possible to use the vertex  $c',\phi'$  as average strength parameter of glide plane, the vertex  $c',\phi'$  is intersection of the line that connecting average points of perfect softening strength and residual strength from the results of many soil quality tests, and  $c'-\phi'$  line's, by reverse calculation.

Keyword : landslide, boring core, sample disturbance, test specimen, average glide plane strength parameter