

Downstream Slope Protection with Open Stone Asphalt

A.BIEBERSTEIN, University of Karlsruhe, Karlsruhe, Germany.

N.LEGUIT, Bitumarin bv, Opijnen, The Netherlands.

J.QUEISSER, University of Karlsruhe, Karlsruhe, Germany.

R.SMITH, Hesselberg Hydro Ltd, Sheffield, UK.

SYNOPSIS

Present state of the investigations plus the results from executed tests to the performance of erosion protection systems in Open Stone Asphalt to man-made embankments during overtopping conditions are presented. Also given are State of the art mix-designs / compositions, installation routines and experience generated from projects in Northern Europe. An analytical statical concept for revetments is presented, which was developed in a research project at University of Karlsruhe, Germany.