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VRIJEDNOST PARAMETARA ČVRSTOĆE SMICANJA FLIŠNIH SEDIMENATA DUŽ KOSINA PODDIONICE 4.1. AUTOPUTA SMOKOVAC - MATEŠEVO

Sažetak:

U Crnoj Gori je počela izgradnja prve dionice autoputa Smokovac-Mateševo u dužini od 41km. Polovina trase formira se u okviru flišnih sedimenata, duž kojih su se tokom izgradnje manifestovale brojne nestabilnosti terena. Tokom formiranja otvorene trse na poddionici 4.1, došlo je do globalnog loma na lijevoj kosini u dužini od 150m. Mjere osiguranja ove kosine podrazumjevale su formiranje gravitacionog potpornog zida, visine do 10m, kao i ugradnju SN sidara dužine 9m u rasteru 2x2m. Kosina je formirana u flišnim sedimentima koji su predstavljeni tankoslojevitim alevrolitima i pješčarima. Neposredno nakon početka formiranja treće etaže, nakon obilnih kiša, došlo je do pojave brojnih pukotina na licu ove kosine, takođe u tlu iznad došlo je do pojave pukotina. U radu su analizirane vrijednosti smičućih parametara čvrstoće flišnih sedimenata, pomoću programskog paketa RocLab za usvojene vrijednosti GSI indeksa stijenske mase.

Ključne riječi:

Kosine, fliš, SN ankeri,GSI indeks, RocLab.

SHEAR STRENGTH PROPERTIES OF FLYSCH ROCK MASS ALONG SLOPE OF THE SUB-SECTION 4.1 ON THE HIGHWAY SMOKOVAC - MATEŠEVO

Summary:

In Montenegro has started constructionfirst section of the highway Smokovac-Mateševo, a distance of 41km. Half of this route is formed in flysch sediments, along which are manifested many instability of the terrain, during construction. During the excavation open route in the sub-section 4.1, there was a global fracture on the left slopes, length over 150m. Slope assurance measures includ the formation of a gravity retaining wall, height of 10m, as well as the installation anchors of 9m lengthsat a distance 2x2m.The slopes were formed in flysch sediments, which were represented by the thin-walled alevrolites and sandstones. Immediately after the formation of thethird floor slopes, after heavy rain, numerous cracks appeared along the slopes line, also in the ground above the slopes there was a crack. The paper analyzes the values of shear strength parameters of flysch sediments, using the RocLab software package for the adopted values of the GSI index of rock mass.

Key words:

Slopes, flysch, SN anchors, GSI index, RocLab.

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