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STABILIZACIJA KOSINE 3, LOT 1, DEONICA GORNJE POLJE – CARIČINA DOLINA NA AUTOPUTU E-75, BEOGRAD – NIŠ, FAZA II, KONSTRUKCIJA OD ARMIRANE ZEMLJE

Sažetak:

Tokom izvođenja radova na autoputu E-75, Beograd-Niš – granica sa BJR Makedonija, deonica Gornje Polje - Caričina Dolina, LOT 1, kosina 3 od km 876+ 325 do km 876 + 825 došlo je do narušavanja stabilnosti uslovno stabilne kosine koja je ugrozila trasu autoputa.

Prema rezultatima obimnih geotehničkih istraživanja radilo se o ogromnom lizištu sa kompleksnim mehanizmom klizanja.

U okviru faze II predviđeni su radovi na stabilizaciji nožice klizišta u zoni leve obale reke Južna Morava, u dužini od 300,50 m, od km 3 + 592 do km 3 + 900.35 (duž ose reke), ili od km 876 + 739,23 do km 876 + 485 (duž ose autoputa). Ovi radovi obuhvatali su izgradnju nasip od armirane zemlje, visine do 12.5m u zoni nožice klizišta. Nasip treba da doprinese stabilizaciji kosine kao ballast, kao i da posluži za redistribuciju zemljane mase nakon iskopa neophodnog za izvođenje devijacije puta.

Ključne riječi:

Klizište, geosintetika, geomreža, stabilizacija kosine, autoput.

STABILISATION OF CUT 3, LOT 1, SECTION GORNJE POLJE – CARIČINA DOLINA, E-75 HIGHWAY, BELGRADE – NIŠ, PHASE II, REINFORCED SOIL CONSTRUCTION

Summary:

During the execution of works on the E-75 highway, Belgrade-Niš - the border with FYR Macedonia, on section Gornje Polje - Caričina Dolina, LOT 1, on the Cut 3 from km 876+ 325 to km 876 + 825 there was a violation of the stability of a conditionally stable slope that jeopardizes the highway route. According results of extensive geotechnical investigations it is a huge landslide with a complex slip mechanism.

Within the Phase II works on the stabilization of the landslide toe in the zone of the left bank of the South Morava River, in the length of 300,50 m, from km 3 + 592 to km 3 + 900.35 (along the axis of the river), or from km 876 + 739,23 to km 876 + 485 (along the axis of the highway) are foreseen. These works consist of constructing the reinforced soil embankment, up to 12.5 m height in the zone of toe of the landslide. The embankment shall contribute to the stabilization of the slope as a ballast, as well as redistribution of the mass after the excavation necessary for the road deviation.

Key words:

Landslide, geosynthetics, geogrid, slope stabilization, highway.

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