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VIJADUKT BABINA RIJEKA ISTRAŽNI RADOVI U FUNKCIJI TEMELJENJA I GEOTEHNIČKA ANALIZA TEMELJA VIJADUKTA

Sažetak:

Za potrebe definisanja geotehničkih uslova temeljenja i izgradnje vijadukta Babina Rijeka izvedeni su istražni radovi. Na osnovu rezultata provedenih bušenja sagledana je i provjerena strukturna građa, međusobni odnosi i položaj različitih naslaga, te karakteristike prirodnih i vještačkih materijala. Prema rezultatima istražnih radova ustanovljeno je da će temeljenje stubova vijadukta Babina Rijeka biti u heterogenoj i anizotropnoj stijenskoj masi. Temeljenje stubova vijadukta treba izvršiti direktnim temeljenjem pri čemu je predviđeno da krajnji stubovi budu temeljeni na trakama debljine 2,0 m, a srednji stubovi koji su elastično uklješteni u nadkonstrukciju budu fundirani na masivnoj betonskoj konstrukciji tipa kružnog bunara. U radu su prezentovane geološke, hidrogeološke i inženjerskogeološke karakteristike terena, geotehnička analiza bunara, te način izvođenja bunara.

Ključne riječi:

geotehnički uslovi, geotehnička analiza bunara, stabilnost kosina

VIADUCT BABINA RIJEKA INVESTIGATION WORKS FOR THE FOUNDATIONS OF THE VIADUCT AND GEOTECHNICAL ANALYSIS OF THE FOUNDATIONS

Summary:

For the purpose of defining geotechnical conditions for the foundations and construction of the Babina Rijeka viaduct the investigation works have been performed. Based on the results of performed investigation works, the structure and the position of the different sediments is determined, as well as properties of the natural and artificial materials. According to the results of the investigation works, it is established that Babina Rijeka viaduct will be founded in heterogeneous and anisotropic rock mass. Viaduct piers foundation is to be performed in form of direct foundation where the abutments of the Babina Rijeka viaduct are expected to be founded on foundations stripes of 2,0 m thick and the piers, elasticly fixed into the superstructure, will be founded on massive concrete structure - circular wells. Geological, hydrogeological and engineering-geological properties of the terrain have been presented in the paper, as well as the geotechnical analysis of the wells and the construction technology.

Key words:

geotechnical conditions, geotechnical analysis of the wells, construction technology

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