

IDEJNO RJEŠENJE RASKRSNICE ULICA HAMDJE Č. ČEMERLIĆA – ZVORNIČKA - GRBAVIČKA	
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Odsjek/katedra	Saobraćajnice
Datum odbrane:	Na osnovu zapisnika
Sažetak:	<p>Predmet rada je izrada idejnog rješenja rekonstrukcije raskrsnice ulica Hamdije Čemerlića - Zvornička - Grbavička na primarnoj gradskoj saobraćajnici „Južnoj longitudinali“ u naselju Grbavica, Sarajevo. Osnovni problem na predmetnoj raskrsnici predstavlja neposredna blizina stambenih objekata, a koje se nalaze u samom profilu raskrsnice i onemogućavaju njenu rekonstrukciju u projektom predviđeni puni profil saobraćajnice.</p> <p>U cilju poboljšanja uslova odvijanja saobraćaja na ovom lokalitetu, izrađeno je više varijantnih rješenja. Predložena varijantna rješenja usklađena su sa planiranim tehničkim i saobraćajnim karakteristikama ostalih dijelova južne longitudinale, koja je projektovana kao četverotračna saobraćajnica. Posebno su razmatrani prostorni aspekti, propusna moć i ekonomičnost, te je predloženo optimalno rješenje raskrsnice.</p> <p>Specifičnost predloženih rješenja je u tome što se puni profil saobraćajnice od četiri trake ostvario izradom denivelisane raskrsnice kod koje je veći dio glavnog saobraćajnog toka izmješten u podzemni dio raskrsnice.</p> <p>Ovakav pristup rješavanju problema omogućio je zadržavanje postojećih stambenih objekata, a istovremeno doveo do značajnog poboljšanja u pogledu propusne moći i sigurnosti na raskrsnici, te efikasnijem funkcionisanju saobraćaja na ovoj ključnoj dionici u gradu.</p>
Ključne riječi:	Propusna moć, Projektovanje, Vrednovanje, Gradske saobraćajnice
CONCEPTUAL SOLUTION OF THE INTERSECTION OF HAMDJE STREET NO. – ZVORNIČKA - GRBAVIČKA	
Summary:	<p>The subject of this paper is developing a conceptual design for the reconstruction of the intersection of Hamdije Čemerlića, Zvornička, and Grbavička streets on the primary city road, the "Southern Longitudinal," in the Grbavica neighborhood of Sarajevo. The main issue with this intersection is the proximity of residential buildings within its profile, which prevents its reconstruction in the roadway profile envisioned by the project.</p> <p>In order to improve traffic conditions at this location, several variant solutions have been developed. The proposed variant solutions are aligned with the planned technical and traffic characteristics of other parts of the Southern Longitudinal, which is designed as a four-lane road.</p>

	<p>Special consideration was given to spatial aspects, traffic capacity, and cost-effectiveness, leading to the proposal of the optimal intersection solution.</p> <p>The specificity of the proposed solutions lies in the fact that the full four-lane roadway profile was achieved by creating a grade-separated intersection, where the majority of the main traffic flow is redirected to an underground section of the intersection.</p> <p>This approach to problem-solving allowed for the retention of existing residential buildings while simultaneously leading to significant improvements in terms of traffic capacity and safety at the intersection, as well as more efficient traffic flow on this key city segment.</p>
Keywords:	Traffic capacity, Project Design, Evaluation, Urban roads