

<b>ANALIZA FUNKCIONALNIH KARAKTERISTIKA DIONICE MAGISTRALNE CESTE M18 "ŠIĆKI BROD - ĐURĐEVİK"</b>	
Kandidat:	Amila Salihović
Mentori:	Prof.dr. Sanjin Albinović, dipl.ing.građ. Prof.dr. Suada Sulejmanović, dipl.inž.građ.
Odsjek/katedra	Saobraćajnice
Datum odbrane:	Na osnovu zapisnika
Sažetak:	Rad obrađuje analizu funkcionalnih karakteristika dionice magistralne ceste M18 i projektovane obilaznice „Šićki Brod – Đurđevik“ u Bosni i Hercegovini. Izvršena je analiza propusne moći dionice korištenjem HCM, HBS i IHSDM (Design Consistency i Traffic Analysis) metodologije i provjera sigurnosti odvijanja saobraćaja prema IHSDM metodologiji (Design Consistency i Crash Prediction). Nakon analize izvršena je uporedba rezultata prema različitim metodologijama, kao i analiza uticaja izgradnje obilaznice na propusnu moć i sigurnost dionice postojeće magistralne ceste, uzimajući u obzir distribuciju saobraćajnog opterećenja. Identifikovane su tačne lokacije sa lošim uslovima odvijanja saobraćaja sa aspekta usklađenosti projektnih elemenata, saobraćajne analize i prognoze saobraćajnih nesreća.
Ključne riječi:	funkcionalne karakteristike, kapacitet, saobraćajna infrastruktura, saobraćajna sigurnost
<b>PERFORMANCE ANALYSIS OF THE SECTION OF M18 HIGHWAY "ŠIĆKI BROD - ĐURĐEVİK"</b>	
Summary:	The master's thesis deals with the performance analysis of the section of the M18 highway and the projected bypass "Šićki Brod - Đurđevik" in Bosnia and Herzegovina. An analysis of the capacity of the section was performed using HCM, HBS and IHSDM (Design Consistency and Traffic Analysis) methodology and an analysis of traffic safety was made according to the IHSDM methodology (Design Consistency and Crash Prediction). After the analysis, a comparison of the results according to different methodologies was performed, as well as an analysis of the impact of the bypass solution on the level of service and safety of the existing main road, taking into account the distribution of the traffic load. Exact locations with poor traffic conditions were identified from the aspect of design consistency, traffic analysis and crash prediction.
Keywords:	performance, capacity, traffic infrastructure, traffic safety