

CAPACITY AND EFFICIENCY OF INLETS WITHIN DRAINAGE OF RAINFALL WATER FROM PAVEMENT

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SUMMARY

This article should be considered as an introduction for a certain highlighting of the role and position of inlets within storm drainage of streets, roads, highways or/and airfields. The least known component of drainage system is capacity of inlet which is usually set in pavement or gutter. Regarding the inlet is a certain "control section" (when drainage system is considered hydraulically) investigation of inlet capacity, and estimation of its efficiency have been analysed for years. For the purpose of the investigation, the laboratory model was built at the Institute of Hydraulic Engineering at the Faculty of Civil Engineering in Belgrade. Most interesting and instructive results of the undertaken research of inlet capacity, obtained so far, are presented and taken as the evidence for the conclusions and recommendations.

Keywords: Rainfall; runoff; surfaces; pavements; roads; airfields; slopes - longitudinal and cross; inlets; capacity; efficiency.