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„Traffic Turnaround made visible using the Example of the Redesign of the Nordhof- / Bahnhof- / Brandstraße Junction in Enger“

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Abstract

The change in traffic has meanwhile become a megatrend in society and encompasses many areas of life, including traffic planning.

The task of the bachelor thesis aims to examine the current regulation of the Forschungsgesellschaft für Straßen- und Verkehrswesen e. V. (FGSV) in the context of the change in traffic as well as the elaboration of further considerations. Furthermore, these newly gained knowledge should be applied in an exemplarily own planning.

For this purpose, an analysis of the current situation of the intersection Nordhofstraße/Bahnhofstraße/ Brandstraße in Enger and the connection crosssections will be carried out.

In the second step, the procedure of the current Richtlinie für die Anlage von Stadtstraßen (RASt) is worked out.

Moreover, the change in traffic and its effects will be explained. Based on this, a critical examination of the individual traffic modes and urban planning is carried out in the RASt and further approaches and considerations are elaborated.

For the concrete planning, feasibility studies of the different intersection forms will be prepared, evaluated and weighed up. The recommended variant will finally be implemented in a planning.

Finally, the consequence for the FGSV regulation is shown, where the connection between the actuality of the regulation and the traffic safety of the traffic facility, due to new safety requirements, is particularly striking.