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„Future Cycling Facilities“
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Abstract

The present bachelor thesis deals with how cycling has changed during the last 20 years and which developments are still to come. From this knowledge it is deducted how the cycling infrastructure has to adapt to these developments. In addition, the mobility concept of the city of Schloß Holte-Stukenbrock is analyzed and the effects of the previously forecasted develop-ments on the cityscape are presented.

For answering the question how it is possible to meet the requirements for future bicycle traffic areas, the post-millenial development of quantitative bicycle use and vehicle technology are examined in detail. After that, the current research is taken to forecast further developments in bicycle traffic and their requirements for the infrastructure.

The quantitative development of bicycle use shows an increasing share of bicycle traffic. Ad-vances in vehicle technology have made it possible to increase both comfort and safety in cyc-ling. Due to the increasing presence of electric bicycles the distances and the average travel speeds of the total bicycle traffic increased. The growing differences in speed, on cycle paths in particular, make high demands on the traffic area. Due to the advancement of vehicle tech-nology, stationary bicycle traffic also places new demands on bicycle parking facilities. These requirements are summarized as an example in a draft of a bicycle parking facility in the town center of Schloß Holte-Stukenbrock.

By the use of the mobility concept analysis of SHS it can be shown which measures are neces-sary to provide bicylcle traffic with a suitable traffic area. The findings of the analysis were used to show how these infrastructure measures could have an exemplary effect on the town-scape of Schloß Holte-Stukenbrock.