

WIE STRASSENRAUMBILDER DEN VERKEHR BEEINFLUSSEN

**Der Durchfahrtswiderstand als Arbeitsinstrument
bei der städtebaulichen Gestaltung von Strassenräumen**

L'influence de l'aménagement de l'espace de la route sur le trafic
La résistance de passage du trafic comme instrument de travail
pour la conception urbaine de zone routière

How streetscape perception can influence traffic
Through-traffic resistance as a working tool
for the urban design of streetscapes

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SUMMARY

Through-traffic resistance is defined as the way car drivers react to their perception of the streetscape. Through-traffic resistance results from the interaction between various individual elements.

In previous studies, a research concept was developed to investigate the relation between the perceived image of the street, the various elements of the streetscape, and the driving behaviour of automobilists. This concept is based on a model of traffic-related mobility acts and on the emotional operating system (EOS), originating from neurobiological research.

The results from the surveys and the analyses were summarized in a working tool with evaluation criteria. Applying this tool in a situation analysis, we can capture, quantify and represent through-traffic resistance of specific street sections in an integrated way. In addition to this, we can specify (oder identify) those elements of design and traffic organisation (oder elements of design and operation) which can raise through-traffic resistance to the aspired level.