

Research on the Influence of Public Buildings on Road Traffic Flow Operation Based on Traffic Performance Index

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Abstract

The Traffic Performance Index is an important reference data for the current traffic congestion assessment, and it mainly calculate by speed information. And traffic flow generated by the building will have a greater impact on the speed of the vehicle in traffic operation. Therefore, in order to explore the impact of buildings on the TPI index, this paper considers whether the number of different buildings around a road will be related to the traffic congestion index. The buildings mainly include the railway station, university, school, hospital and commercial area. After determining the correlation, SPSS software is applied to analyze the weights, and the degree of influence of different building types on TPI is judged according to the results.