



DETECTION AND ASSESSMENT OF SAFETY PROBLEMS WITHIN ROAD TRANSPORT DECISION-MAKING

Nikolay Georgiev

“Todor Kableshkov” University of Transport, Sofia, Bulgaria

Violina Velyova

“Todor Kableshkov” University of Transport, Sofia, Bulgaria

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Abstract

The transportation system safety in many countries often constitutes the largest public-sector problem. This problem is characterized by the presence of a variety of potential negative events that could occur (including their causal factors), the complexity of their detection and stochastic nature of their consequences. The planning and management process concerning transport safety requires that engineers collect and maintain traffic safety data, identify hazardous locations, conduct engineering studies, and establish project priorities. In this regard, the article discusses most common technical and technological factors affecting transport safety and the role of road infrastructure in road accident occurrence. For the purpose of design and maintenance of a successful transport management an exemplary procedure for estimation of transport infrastructure improvement on traffic safety is considered. All above-mentioned could be done in a successful manner just by the usage of scientific approaches and methods. The present paper discusses the essence of some scientific methods, and possibilities to be adapted for the purpose of a successful decision-making in the area of transport safety.

Keywords: traffic safety, hazardous locations, decision making, scientific approaches and methods

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The address of the corresponding author:

Nikolay Georgiev

[✉ ngeorgiev60@gmail.com](mailto:ngeorgiev60@gmail.com)

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