

PROCENA UTICAJA ŽIVOTNE SREDINE TRANSPORTA

EVALUATION OF THE ENVIRONMENTAL INFLUENCE OF TRANSPORT

Emil Jelezov¹, Elisa Malinova², Gergana Kirilova³

Summary

The sustainable development of transport is among the priorities of the common transport policy of EC. The transport sector generates a considerable part of the negative effects. The unveiling of opportunities for decreasing the negative external effects of the transport sector requires evaluation and comparative analysis. The paper presents quantitative and cost evaluation of the noxious emissions of transport as well as a comparative analysis of the environmental influence of road and railway transport. The evaluation is based upon official sources of statistical information on energy consumption, ozone precursors' emissions, fine dust particles, and the emissions of greenhouse gasses. The comparative analysis enhances the main streams and directions of road and railway carriages in Republic of Bulgaria by indicators of the harmful influence. The evaluation and analysis results prove that the priority development of railway transport should be a strategic goal of the national transport policy for the next program period 2014-2020.

Keywords: transport, transport policy, sustainable development, environment, external effects

¹ Higher School of Transport "Todor Kableshkov", Sofia, Bulgaria

² Higher School of Transport "Todor Kableshkov", Sofia, Bulgaria

³ Higher School of Transport "Todor Kableshkov", Sofia, Bulgaria
