

EVALUATION OF THE RIDE QUALITY FOR THE MAINTENANCE OF ASPHALT PAVEMENTS

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ABSTRACT

The present research work summarizes the major findings of a Roughness Experiment, concerning the evaluation of the ride quality of representative asphalt pavements of the Greek roadway network. The evaluation comprises subjective ratings as well as roughness measurements using the Bump Integrator of the Central Public Works Laboratory (KEDE). The statistical analysis of the collected data gave useful information for the existing pavement ride quality level. Based on the data analysis, a methodology was developed for the objective evaluation of the Need for Repair of the ride quality for both flexible and semirigid/semiflexible roadway pavements.