## Functional Evaluation of Existing Flexible Pavements to Strengthen Rehabilitation Procedures<sup>1</sup>

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## Abstract

Evaluating the conditions of roads to make appropriate rehabilitation decisions is of great importance in prolonging road's service life and enhancing its structural and functional status.

The focus of this research is experimenting concepts of maximum rehabilitation and highlighting causes of distresses as well as, methods of treatment. Moreover, the concept of roughness was linked to present serviceability rating. In the practical part of the research a condition surveys of the Damascus - Jordanian Border Highway has been performed and physical distresses were measured and road roughness was determined by means of roughometer. Measurements were conducted in order to support the decision - making process with regards to rehabilitation practices and develop prioritized list of required procedures.

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<sup>&</sup>lt;sup>1</sup> For the paper in Arabic see pages (143 - 165).