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**FLEXIBLE AND RIGID PAVEMENTS-
TECHNICOECONOMICAL COMPARISON
FOR CONSTRUCTION IN GREEK MOTORWAYS**

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ABSTRACT

Until today the use of concrete pavements in the greek motorway network has not yet been introduced as an alternate solution versus the asphalt pavements. In a research project, the summary of which constitutes the content of the present publication, the economical aspect of the use of rigid instead of the flexible pavements for greek motorways is investigated, and the comparison of their costs is made, for initial construction cost, as well as for both, initial and maintenance costs considered for a period of 30 years. The comparison is made based on market prices for the required equipment to be used, and the marked prices for materials and labour, for the period 1991-2000.

A special for this case software has been created, based on which the calculation of the several costs, and the printing of the results, can be obtained, as soon as a considerable number of parameters concerning the cost of materials, the labour costs, and the cost of equipment for the year in consideration, is stored in the memory of the program. Thus, with the results obtained immediately, the selection between the considered alternative solutions is also greatly facilitated.

KEY WORDS: *Flexible and rigid pavements, cost comparison, software.*