

## THE FLEXIBLE PAVEMENTS IN FOREST ROADS AND THEIR ECONOMICAL THICKNESS DESIGN

### ABSTRACT

The construction of pavements forest areas is an expensive infrastructure work, with particular emphasis in the forest exploitation. For this reason, an investigation of the factors affecting the thickness design and determining the cost of the pavement is need. Such factors are : the traffic flow with particular interest to the type and loading of vehicles, the type and carrying capacity of the subgrade as well as its stabilization (with lime or cement). Given the above factors equation (4) determines the structural number (SN) for suitable forest pavements under greek conditions. From the comparison of the strength of the pavement and the cost of the alternative solutions, selection of the most economical solution is carried out.