

PROBLEMS AND FAILURES IN CONCRETE PAVEMENTS CONSTRUCTED IN FOREST AREAS OF EPIRUS

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ABSTRACT

The common practice for the construction of roads in the forests of the Region of Epirus in Greece usually involves the stabilization of unbound soil so as to serve as traffic layer. Concrete pavement layers are used only in particular parts of the road where water drainage causes significant loss of material and reduces vehicle circulation ability. These concrete pavement layers usually do not follow any specifications and are constructed based on the experience of the contractor. The present article regards the documentation and investigation of such concrete pavements in forest areas of Epirus, mostly in the National Park of Northern Pindos, the Mount Kasidiaris in Pogoni and the area of Mesounta in Arta. Many concrete pavements in forests have been identified in altitudes between 4 m and 1290 m and their performance and durability problems have been investigated.

KEY WORDS: Forest roads, concrete pavements.