IMPROVING PAVEMENT'S PROPERTIES USING THE AMIR II COMPACTOR

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ABSTRACT
AMIR II compactor was used in the construction of an asphalt pavement on a test section along with a set of conventional rollers in order to study the difference between the rollers. Field Permeability, compaction and density tests were carried out on the paved sections and the results were analyzed. The results supported the findings of earlier AMIR field trials and indicated that hot mix asphalt that is compacted with the AMIR II had a much lower permeability and equivalent density achieved with fewer roller passes. AMIR II roller is further able to provide surface texture that is tight and crack free which suggests a longer service life at no extra cost.