

Abstract

Aggregates are the major constituent of bituminous mix. The properties of the aggregates significantly affect the characteristics of bituminous mix. In the present study, angle of repose of aggregates of different sizes and sources have been investigated. Further, an attempt has been made to study the effect of angle of repose to the strength of bituminous mix. Indirect tensile strength has been used as the measure of strength of bituminous mix, subsequently, statistical relationships have been proposed between the overall angle of repose of the aggregates used in the bituminous mix to its indirect tensile strength.

Keywords: Bituminous mix, Aggregate shape, Angle of repose, Indirect Tensile Strength.

