

عنوان مقاله:

The effect of rice husk ash on the rutting performance of asphalt mixtures

محل انتشار:

سومین کنفرانس بین المللی پژوهشهای کاربردی در مهندسی عمران، معماری و مدیریت شهری (سال: 1394)

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خلاصه مقاله:

Nowadays, saving energy and recycling materials are becoming priorities in the road construction Industry. This paper presents the experimental results on the utilization of rice hush ash (RHA) as a replacement for mineral filler in hot mix asphalt (HMA) mixture. Five different HMA mixtures were and to determine the optimal asphalt binder content. HMA mixtures containing RHA was changed with mineral filler in the rate of 25%, 50%, 75%, and 100%. The results of a laboratory study for evaluating the properties of HMA mixtures were investigated using Marshall stability and dynamic creep tests. As a result, it has come in view that RHA can be used as mineral filler in the asphalt mixture

کلمات کلیدی:

Filler, Rice husk ash, Marshall stability, Dynamic creep

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