

## عنوان مقاله:

Making Flexible Pavements with the use of Waste Disposable Dishes

## محل انتشار:

سومین کنفرانس بین المللی حوادث رانندگی و جاده ای (سال: 1391)

تعداد صفحات اصل مقاله: 12

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## خلاصه مقاله:

In this project, PS-prepared mixtures' mechanical properties will be compared with the control sample. In this study, parameters such as bitumen's penetration degree, softening point and ductility and marshal stability, marshal flow, marshal ratio (stability/flow) and asphalt specific gravity will be investigated. PS materials are used in four methods too: 1-added to bitumen, 2-bitumen replaced with PS, 3-added to aggregates & 4- one-sized soft aggregates replaced with PS. More disposable dishes make from PS. Since PS is not usually polar and has no affinity toward absorbing and reacting to water, it is a hydrophobic combination and forces the water off the surface. Therefore, PS can dissolve major problems of water penetration and drainage in asphalt surfaces. Therefore, obtained asphalt mixture has more strength and resistance to control sample. Thus, while using obtained mixture improves asphalt mixtures properties and reduces the consumption of aggregates, it spends large amounts of PS wastages in civil engineering constructions

## کلمات کلیدی:

Asphalt surfaces, disposable dishes, Polystyrene (PS), wastage, Environment

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/169543>

