

URBAN PAVEMENT MATERIALS: NEW STANDARDS APPROACHES IN SÃO PAULO CITY HALL

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ABSTRACT

This paper presents standards approaches to pavement materials as well as the environmentally friendly materials appropriated by São Paulo City Hall.

An outline of urban road network of São Paulo City is given, and the need of specifications mainly directed to urban environments is justified by comparison of some aspects of brazilian highway standards and some characteristics of São Paulo urban road network.

Aspects of foamed recycled RAP layers, recycled aggregate courses, rubber-asphalt binder used in asphalt mixture coating and permeable pavements are presented.

It is important to remark that Infrastructure and Public Works Office is not a research institute, we are an executive department with the aim to contract built and maintenance of urban road and drainage network. Because of that, our standards are designed to be used as guidelines, being mostly a consensus – built, repeatable way of doing pavement layers with criterium and quality, not mention the new approaches of environmentally friendly use of materials.

KEY WORDS: Urban pavements, recycled materials, sustainable pavement.