

A PROPOSAL FOR A SYSTEM OF STRUCTURE PAVEMENT MANAGEMENT IN BUS CORRIDORS OF SÃO PAULO

Rita Moura Fortes

João Virgilio Merighi

Alex Alves Bandeira

Professors PhD. of the Civil Engineering School, Mackenzie Presbyterian University (UPM)

José Augusto Pereira da Silva

Professor PhD. of Polytechnic School of the University of Sao Paulo (EPUSP) and Engineer of São Paulo Transport (SPTRANS)

Patrícia Beraldo Balestra

Engineer of São Paulo Transport (SPTRANS)

Rogério Bichoff

Architect of São Paulo Transport (SPTRANS), Rua Maranhão, 101 apto 72 – S. Paulo – SP – Brasil – CEP 01240-001; rmfortes@terra.com.br

ABSTRACT

São Paulo city, located in Southeast of Brazil, has 224 km of bus corridors, being approximately 86% of this net consisted in asphalt concrete pavements. The correct management is essential to provide a good maintenance, rehabilitation, a safe and comfortable transport of these corridors for the user. Due to this, it is necessary to consider the aspects in terms of comfort and smoothness of rolling, the structural performance and the peculiarities of the bus corridors that have traffic during 24 hours per day. This paper presents a proposal for a developing a system of structure pavement management and some recommendations for the rehabilitation.

KEY WORDS: Bus corridors, maintenance pavement, rehabilitation pavement, management, management system.