

ANALYSIS OVER THE USE OF REINFORCED FLEXIBLE PAVEMENT WITH STEEL MESH IN CLIMBING LANES

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ABSTRACT

The growth of the sugar alcohol sector in various regions of the São Paulo state, which has mostly one single lane highways, has motivated businessman in the industry to propose partnerships for the construction of climbing lanes, which would allow the transit of heavy vehicles to flow better in these highways. A review of the literature about steel mesh shows that the use of the same avoiding the appearance of cracks in the layers of asphalt layer, acting as a barrier against their spread keeping the uniform distribution of loads. The objective of this research was to develop this technology for construction and rehabilitation of climbing lanes in order to increase its service life through the use of steel mesh. For this, they were analyzed their performance, based on international best practices, using structural and functional evaluation tests in observing their behavior in a test section.