

Experimental Investigation of Bituminous Roads with Waste Plastic

Authors : Arjita Biswas, Sandeep Potnis

Abstract : Plastic roads (bituminous roads using waste plastic in the wearing course) have now become familiar in the Road Construction Sector in India. With the Indian Road Congress Code (IRC SP: 98 -2013), many agencies are coming forward to implement Plastic Roads in India. This paper discuss and compare about the various properties of bituminous mix with 8% waste plastic and normal bituminous mix. This paper also signifies the performance of both the types of roads after 4 months of age under loading conditions. Experiments were carried out to evaluate its performance. The result shows improved performance of plastic roads.

Keywords : bituminous roads, experiments, performance, plastic roads

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