ABSTRACT

Preservation of road infrastructure requires a scientific approach for the great performance of roads keeping in mind the longer term condition and maintenance eventualities. Now-a-days pavements are subjected to numerous types of loading which affects the pavement performance condition that causes varied distresses. These distresses embrace rutting, fatigue cracking, and temperature cracking. Looking forward to the status, complete ban on plastic can’t be created. Thus, using of plastic as AN innovative technology not solely strengthened the building however additionally increase the road life. This paper includes the results of the various laboratory tests conducted on hydrocarbon, aggregates and bitumen-aggregate plastic combine.

Key words – Waste plastic, Aggregate, Bitumen, plastic bitumen-aggregate combine, plastic changed hydrocarbon and plastic changed combination.