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(57) Abstract :

Reclaimed asphalt means adding the recycled asphalt to new asphalt mixes, with the aggregates and the old bitumen performing the same function as in their original application. Reclaimed Asphalt Pavement (RAP) is the largest reclaimed Asphalt mixtures are created at 135°C in a typical asphalt plant. However at 135°C not all binder from RAP materials may not become effective for coating aggregates. In this invention we visualize the amount of effective binder available from RAP inside the asphalt plant. The 100% RAP combines have aged binder that can alter combined designs and interaction with fresh binder. The temperature cracking resistance and fatigue performance, samples were prepared exploitation a 100 percent RAP mix with no fresh binder and a 100 percent RAP mix with fresh asphalt binder to understand the optimum binder content of the mix. The effectiveness of binder from RAP materials, compaction tests were performed by heating RAP materials at various temperatures. Additional heating is needed to extend the effectiveness of asphalt binder from RAP materials

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