BEST PRACTICE GUIDE FOR RECYCLING INTO SURFACE COURSES

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ABSTRACT
The incorporation of suitable reclaimed asphalt in thin surfacing materials is becoming an important issue with the availability in high-quality aggregate resources depleting and with the greater emphasis being placed on sustainability by society. The feasibility of using up to at least 30% has already been demonstrated in trials and on contracts on major UK motorways whilst the potential for lower proportions of up to 10% being added on a regular basis has already been accepted for the UK Highway Authorities Product Approval Scheme. A guide has been prepared as to what is considered to be good practice when specifying, designing, producing and applying this approach and is offered in order to facilitate a relatively rapid change to its wider acceptance and use. A method of designing the asphalt mixture taking into account the binder content and binder properties of the reclaimed asphalt is provided. More general advice on the changes needed in the different operations is also given.

KEY WORDS: Recycling, thin surfacings, durability