

Sustainable Use of Demolished Waste Material in Highway Construction: A Comprehensive Review

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Abstract: *The sustainable use of disposed of waste products in road building is investigated in this review paper. expanding interest in using building and demolition debris (C&D waste) for infrastructure development results from the expanding worldwide attention on sustainability and circular economy ideas. Focussing on material properties, processing methods, performance assessments, environmental effects, and economic viability, this study synthesises present research and methods in employing demolished waste materials for highway building. The study emphasises in several highway building uses the possibilities of several demolished waste materials, including concrete, asphalt, bricks, and mixed C&D waste. In this field, it also covers difficulties, prospects, and future paths of research*

Keywords: building and demolition debris.