



Recycled Materials and Infrastructure Sustainability

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Message from the Guest Editors

Recycled and reclaimed highway and construction materials have been used for some time in civil infrastructure. These include among other: recycled asphalt pavement, RAP; recycled concrete aggregate, RCA; fly ash, FA; foundry sand, FS; glass cullets; crumb rubber and tire chips; recycled plastics; dredge materials. The current emphasis on the design and construction of “green infrastructure” has generated additional interest in increasing their use for capturing the added sustainability benefits. However, increased amounts of recycled materials in infrastructure applications is often coupled with challenges in meeting performance requirements and standards. Furthermore, proper sustainability assessment tools are required in order to properly quantify the potential benefits in terms of economic and environmental impact...





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