



Category: Best use of innovation to build resilience - [SHORTLISTED](#)

MHA+ member name

Lancashire County Council

Supporting organisation(s)

Holcim

other partners involved in the development of this product/project/nomination

N/A

Summary

The trial site was the A577 Parliament Street Lancashire – The trial involved the use of Holcim supplied carbon neutral materials with a climate change resistant high-performance surface course. Each layer consisted of carbon neutral materials. The binder course layer consisted of Foamix Eco recycled formerly tar bound asphalt planings with a lignin aggregate additive. The surface course consisted of LCC high-performance PMB grade surface course with lignin aggregate additive. The surface course was adapted to provide resistance to climate change related extreme weather, heat, water ingress, and improved rut-resistance. Materials were installed by LCC Highways in-house operations team.

A significant cost reduction was experienced due to 90% recycled tar bound content in the Foamix binder layer, the avoidance of waste disposal costs and whole life costing durability. The trial was undertaken to demonstrated multiple physical, environmental, and economic benefits as explained within our presentation.