

Hampshire Overview



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- In June 2019 HCC declared a climate emergency
- Hampshire 2050 is a vision for the future
- Published 2020-25 Climate Change Strategy in which HCC undertook to “lead, empower and stimulate action on climate change”

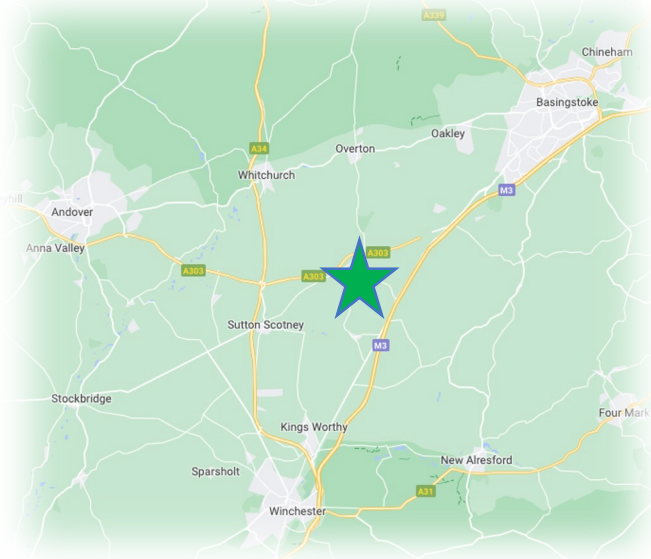
Infrastructure, an emissions giant – Big ticket sector for moving the needle.

In the UK today the construction, operation and maintenance of infrastructure assets results in approximately **16%** of **total** carbon emissions. This figure rises to **53%** when the use of infrastructure is incorporated

Hampshire Overview

One way in which HCC is combatting climate change is through the development of the Hampshire Highways Carbon Reduction Strategy and the opening of the Micheldever Highways Recycling Facility.

The recycling methods and green materials are now fully embedded in the day-to-day surfacing operations in Hampshire



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A partnership between Hampshire County Council, Milestone Infrastructure and specialist recycling contractor, OCL, has set up a new purpose-built recycling centre for road materials.

The plant in Micheldever reprocesses and recycles materials from road repairs, for re-use in road maintenance, leading to reduced carbon emissions, costs, and travel miles.



Here to help



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**Carbon
Savings**



**Cost
Savings**

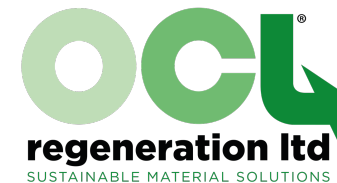


**Collaboration
Opportunities**

Here to Help - Toolkit



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Assessment

How can we use recycled or low carbon products in this scheme?



Design

Work up an equivalencies matrix for the alternative materials.



Planning

Integrate into the Annual Plan and optimise resources.



Programming

Balance the supply & demand, road space and weather constraints.



Delivery

Collaborating with specialist suppliers and supporting sub-contractors,

CRBM – Low Carbon Asphalt



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Specifications:

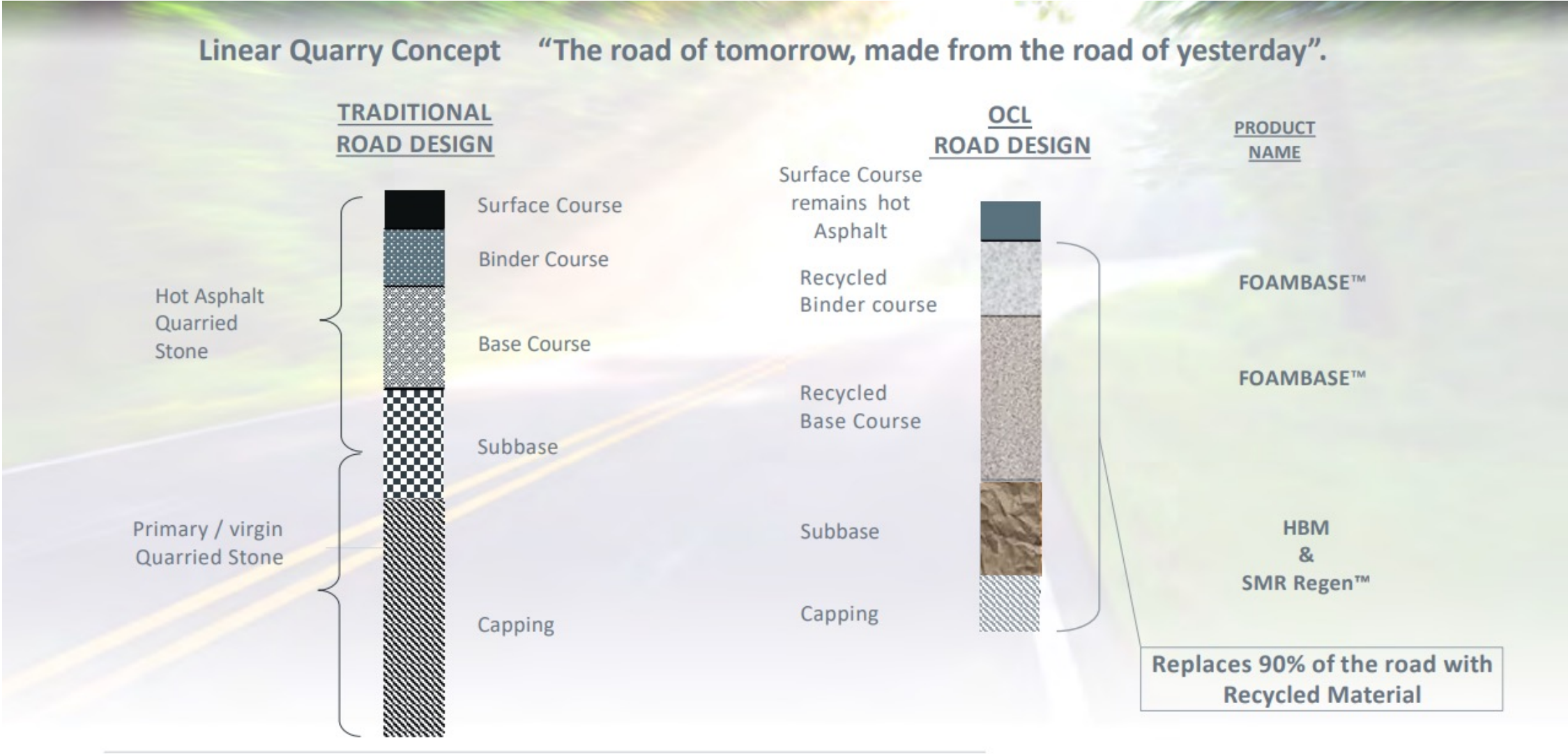
SHW Cl.948 and BS9228

- Designs for all surfaced assets
- HCC Standard Details
- HCC TG Notes 6.1 and 6.2
- HCC Guidance document for carriageway surfacing options



bsi.

Hampshire's own quarry – Its network.





Hampshire Case Study

Scheme: Hampshire CC Carriageway, Haunching and Footway Campaigns

Description: Foambase® CRBM as a low carbon asphalt that facilitates the re-use for highways wastes

Highlights:

- The supply of over 25,000t of CRBM.
- Avoiding disposal costs.
- Reducing the need for new aggregates
- Reducing caused carbon and transport miles
- Saving over 500t CO₂e p.a compared to traditional asphalt.





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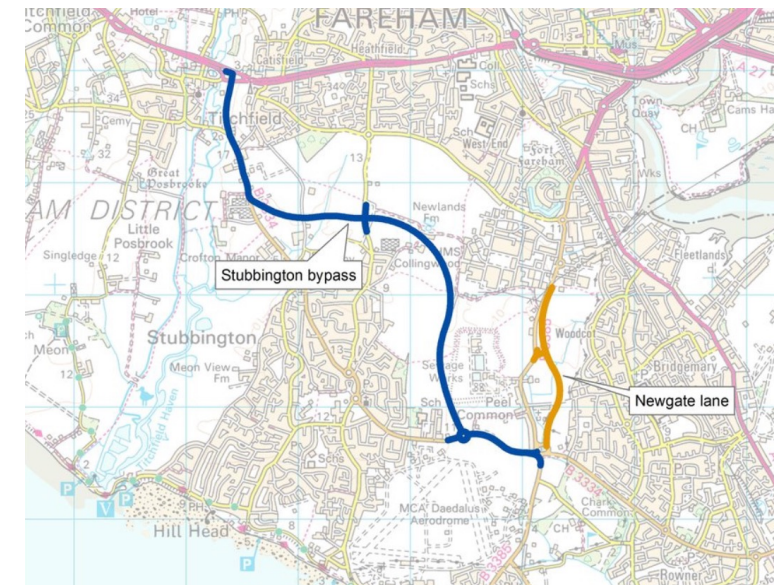


Hampshire Case Study

Scheme: Stubbington Bypass

Description: Large scale scheme through which HCC showed its support for the designing and construction of pavements using the material.

Highlights: The supply of 14,000t of CRBM. All through the recycling of HCC highways wastes. 4500t HBM also specified and adopted in the footways.





Hampshire Case Study

Wellesley, Aldershot for Grainger plc.

- Worked together to arrive at an integrated circular solution for the re-use of regeneration wastes in infrastructure.
- HCC have adopted the roads.
- A combination of on and off-site treatments – virtual quarry and Micheldever.
- Similar opportunities will come to the fore through brownfield redevelopment .





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Thank you for listening, we are around later if we can help with any questions.



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