





Surface Course - hot rolled asphalt



Binder Course - dense bitumen macadam



Base - concrete (the majority of roads have an asphalt base)

Mystery object? No! It's a road core Still baffled?

Imagine having a giant apple-corer, and coring down through a road, down through the *surface course*, made of 'hot rolled asphalt' (which wears away as we drive on it, and then a new layer of asphalt is spread and rolled), then down through the *binder course* of 'dense bitumen macadam',

then through the *base* - which supports the weight of the traffic. Below the base is a layer of crushed material resting on the compacted and shaped soil surface.

This 24cm long core comes from the A39, the 'Atlantic Highway', which runs along the west side of Bodmin Moor.

Roads are made of aggregate - crushed rock such as granite, dolerite and limestone - bound together with either bitumen or cement.

Some aggregate came from **Bodmin Moor**. You can download a booklet about the Moor (in 5 languages!) from:

www.bodminmoor.co.uk
www.southeastcornwall.co.uk
www.cornwallwildlifetrust.org.uk

In the UK we each 'use' some 4 tonnes of aggregate a year!

Project funded by



Concept/words: John Macadam/Earthwords www.earthwords.co.uk
Design: Aawen Design Studio www.aawen.com



Granite from Bodmin Moor gets everywhere!

1880s lighthouse

1850s lighthouse

Find out more on the Moor at:

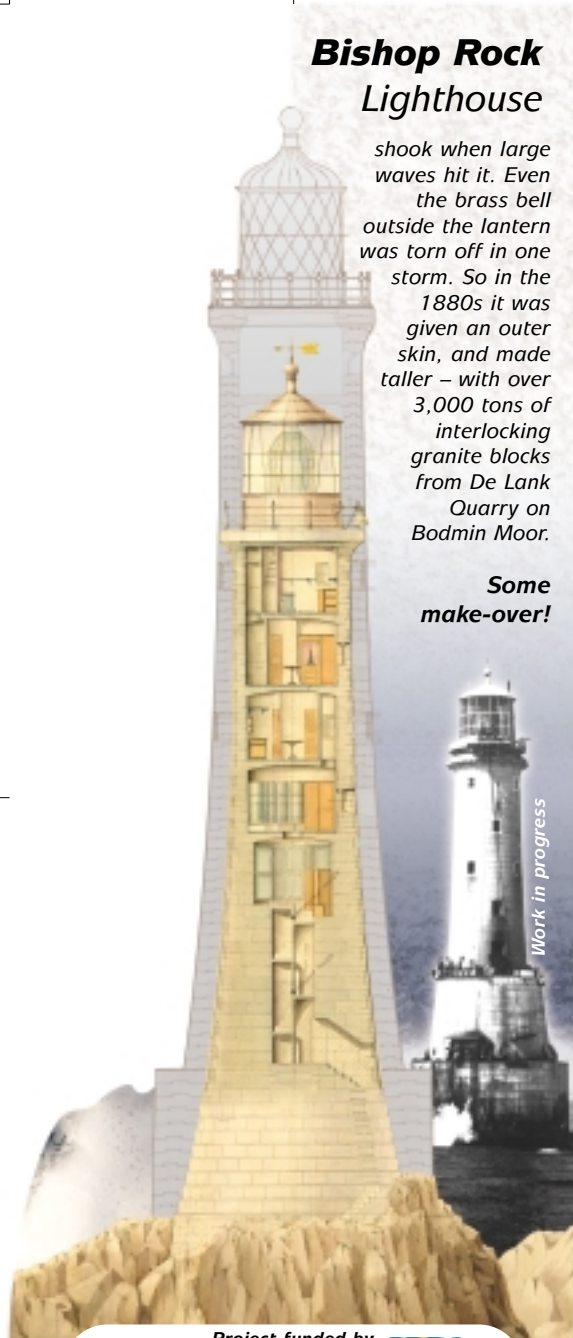
www.bodminmoor.co.uk



Bishop Rock Lighthouse

shook when large waves hit it. Even the brass bell outside the lantern was torn off in one storm. So in the 1880s it was given an outer skin, and made taller – with over 3,000 tons of interlocking granite blocks from De Lank Quarry on Bodmin Moor.

**Some
make-over!**



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Images: Trinity House, Gibsons of Scilly, Bren Unwin & John Macadam
Concept/words: John Macadam / Earthwords www.earthwords.co.uk
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