PROVEN PERFORMANCE

Ultimate resistance to reflective cracking and pavement deformation
B4267, Barry, Wales
THE CHALLENGE
The surface of a main commuter route into Cardiff was suffering from acute deformation. Vale of Glamorgan Council required a durable and faster alternative to hot-rolled asphalt to ensure minimum disruption for local road users.

The B4267 Sully Moors Road near Barry is a busy road, used by commuters, parents taking children to school and heavy goods vehicles. The sizeable strain on the road had resulted in subsidence and severe rutting in the road surface, made worse by the large number of utilities trenches running through it.

Surfacing issues on the road were made worse by its tendency to flood since it runs through wet moorlands.

OUR SOLUTION
Working in partnership with the authorities engineers we conducted a full survey of road conditions. The solution supplied had to allow the road to remain fully open at peak times. ULTILAYER offered the flexibility and performance required. It is formulated using a combination of specialist additive technology together with high quality rheologically-enhanced bitumen that is designed to increase the asphalt’s elastic and cohesive performance.

The new 45mm thick ULTILAYER was laid on a planed surface using a 10mm hardwearing polymer modified surface course to provide a closed finish. The design compensated for variations in the depth of the construction of the road. This helped to address minor reflective cracking outside the entrance to the chemical plant where the road had a further 100mm of inlay applied with 0/20mm heavy duty binder course on top.

RESULTS AND BENEFITS
As well as being trafficable within an hour of laying, the new ULTILAYER surface was laid in one application, reducing the project construction time by half. This saving, coupled with the need for less labour and plant to carry out the resurfacing, ensured that costs were cut by around 30 per cent.

For more details contact your enquires@tarmac.com or call 0800 1 218 218