

Problem:

Rutting

Success Story: Micro Surfacing

Solution:

Micro surfacing

Patches of road surrounding the intersection of La. 27 and La. 28 near Lake Charles, LA, were suffering from lane ruts that had been worsened by Hurricane Rita. The deep ruts made lane changes difficult and unsafe due to rainwater collection that caused hydroplaning. Traditionally, a mill and fill treatment using hot mix asphalt would be the preferred method, but it would be very costly. Conversely, micro surfacing provided solid, eco-efficient results with equal or better results for a fraction of the cost. The Louisiana Department of Transportation and Development (LADOTD) and the Federal Highway Administration funded a micro surfacing project to repair the ruts, and Vance Brothers, Inc. was commissioned to perform the construction.

The asphalt emulsion was specifically engineered by Ergon Asphalt & Emulsions to match the aggregate for the job. Construction was completed within 60 days, and because micro surfacing was able to support rolling traffic within one hour of application, the public experienced minimal delays.

There have been no signs of rutting since the successful completion of the micro surfacing project over two years ago.

For inquiries, contact:
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