



**GLASGRID REHABILITATION
CARRICK ROAD**

CASE STUDY

PROJECT: Carrick Rd, Queensburgh, Kwa-Zulu Natal
CLIENT: Outer West City Council
CONSULTANT: A A Loudon & Partners
CONTRACTOR: National Asphalt (Pty) Ltd.

DATE: July 1999
QUANTITY:
PRODUCT: Glasgrid 8550

The original design consisted of milling out the existing surfacing and base course, which would be processed and re-applied as a foam bitumen base and then surfaced with a 30mm asphalt surface. This proved to be an expensive option and with insufficient funds available to carry out the proposal, **Glasgrid** reinforcement with an asphalt overlay, was recommended as a cost-effective alternative.

No crack sealing was carried out on the badly cracked areas (shown below) prior the installation, although this is generally recommended. The self-adhesive **Glasgrid** was rolled out by hand over the full width of the road. Only construction traffic was allowed on the exposed grid prior to paving. A 45 mm latex modified asphalt was then applied.

The contractor National Asphalt was impressed with the ease of placement and handling of the **Glasgrid**.



This photo shows the severely cracked road before rehabilitation.

The three stages of the rehabilitated road from right to left – The “damaged” road, the laid **Glasgrid**, and the Asphalt surface.

