

CASE STUDY

Roads | Surface Rehabilitation | N1 Bloemfontein

Apr 2012

Client SANRAL

Contractor N1 Construction

Consultant THM Engineers

Product **Sealmac[®] 200mm strips**

Rep Byron de Cramer

Problem

A section of the N1 required patch repairs which, if left untreated, could lead to the joints between old and new asphalt separating which in turn, could lead to the formation of potholes through base course softening and loss of fines.

Solution

A tack coat of CAT 65 bitumen emulsion was applied to the joints. **Sealmac[®]** strips were then placed into the tack coat with the joints lying along the centerline of each strip, thereby allowing equal widths of geotextile on either side. Usually a saturation coat of bitumen is then applied followed by a wearing course layer, but plans were already in place for resealing this particular section of the N1 and this pre-treatment of the cracks with **Sealmac[®]** strips would effectively be covered by the new full width surfacing.

Benefits

Lower construction and maintenance costs were gained.



*A bitumen emulsion is applied to the road surface before applying **Sealmac[®]** strips*



***Sealmac[®]** strips are rolled out over the tack coat and any creases removed by squeegee*



*The completed temporary repair work using **Sealmac[®]** strips*