



Glassfiber Geogrid *—Main Traffic Road in Colombia, South America*

Introduction :

The main road surface had been damaged due to high axle loads or increased traffic in Colombia, South America. The original pavement carriageway was showing extensive reflective cracking, which is major drawback of asphalt pavements. Commonly a paved road becomes a candidate for maintenance when its surface shows significant cracks and potholes. Reflective cracking in the pavement surface cause numerous problem, such as discomfort for the users, lower safety, added the infiltration water and reduction of bearing capacity. Therefore, the government would like to choose economical and long-term performance way to solution the cracks on the pavement.



Project Description :

GA100-II is being increasingly used at asphalt overlay base level to enhance the overall performance. The asphalt reinforcement with GA100-II(a) has advantage that it can be placed in the asphalt layer to restrict reflective cracks and ease of installation. In this project, after milling of the original pavement, it can be installed directly and overlaying with hot mix asphalt.

After the construction is completed, the performance of reinforced pavement showed very good condition. No reflective cracking and pothole are discovered. On the other hand, the depth of ruts is also decreased and has well serviceability.