Experimental Project Status Report

County: Palm Beach
Section/Subsection No.: 93110-3543
State Road: 80
Project Description: Geosynthetic Reinforcement Evaluation
FIN: 229428-1-5201

State Materials Office
Gainesville, Florida

12/13/2005
OBJECTIVE:

The objective of this study is to evaluate the relative long-term field performance of a pavement section reinforced with a geosynthetic material (Geogrid). A test section was constructed with a Geogrid mat placed in the base layer adjacent to a control section (without reinforcement). The sections were constructed in 1994 and are located in the Eastbound and Westbound traffic lanes of SR 80, in Palm Beach County. Performance is evaluated in terms of Deflection, Ride, Rutting and Cracking.
Pavement Deflection

Project No. 93110-3543

FWD Basin Deflection
(Initial Deflection Test Data - 1996)

FWD Basin Deflection
(Most Recent Deflection Test Data - 2005)