

Chapter 31

Geosynthetic Design

The following are changes, additions or deletions to the January 2003, Topic #625-000-007, Plans Preparation Manual (PPM) - English, for use on Turnpike projects only:

31.5.2 Requirements

Revise Section as follows

2. Allowable Tension

T_{ult} = Ultimate wide-width tensile strength of a geosynthetic per ASTM D 4595

T_{creep} = Serviceability state reinforcement tensile load based on minimum 10,000-hour creep tests per ASTM D 5262

3. Soil Reinforcement Interaction

The Coefficient of Interaction, C_i , is also known as the “Soil-Geosynthetic Friction” on the Standard Index 501.