



PROJECT LOCATION: Sarasota County, Florida

PROJECT SCOPE

The Presto Geoweb® Load Support System was specified on a roadway and parking project in an environmentally-sensitive wetlands parcel of the T. Mabry Carlton Jr. Memorial Reserve. The Geoweb system confines granular infill, significantly improving load distribution and offering environmental benefits.

The design specified a permeable pavement capable of supporting vehicular loads over non load-supporting soils plus functioning as a storm water retention system. The infill used was seven inches of #57 stone with 40% voids which yielded a storage capacity of 2.8 inches of water.



GEOSYNTHETIC COMPONENTS

- Geoweb GW20 6-inch depth
- Geotextile separation layer

GEOWEB® PERMEABLE PAVEMENT SYSTEM

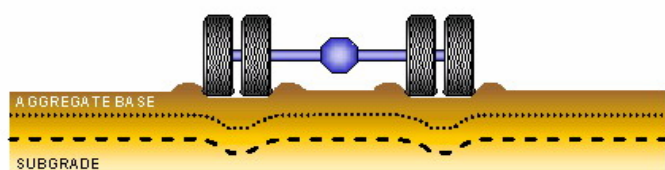
ENVIRONMENTAL BENEFITS

With aggregate infill, the system:

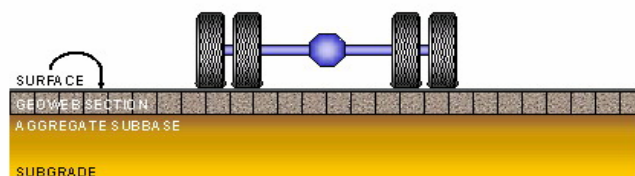
- Reduces storm water runoff, promoting groundwater replenishment.
- Functions as a natural storm water retention system, allowing water to fill the aggregate voids and permeate into the existing ground.
- Reduces the heat-island effect.

Other Benefits:

- Cell wall perforations facilitate lateral cell-to-cell drainage beneath traffic areas, resulting in better performance over saturated soils.
- Stability of the pavement surface translates to a reduction in maintenance costs.
- Offers a cost-effective alternative to hard-surface paving.



UNCONFINED GRANULAR PAVEMENT SYSTEM



THE GEOWEB GRANULAR PAVEMENT SYSTEM



FOR MORE INFORMATION:

Call Presto Ph: 800-548-3424 ■ www.prestogeo.com

LINKS OF INTEREST:

[Carlton Memorial Reserve](#) [Load Support Technical Overview](#)