PRESTO | GEOSYSTEMS®

STRENGTH. FROM THE GROUND UP.

Since 1979

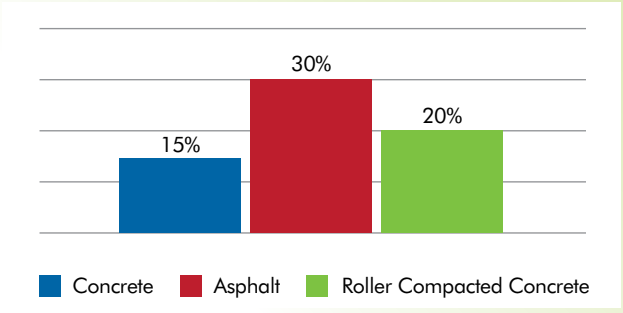
GEOWEB® GEOCELLS

Reduce pavement depth. Reduce costs.

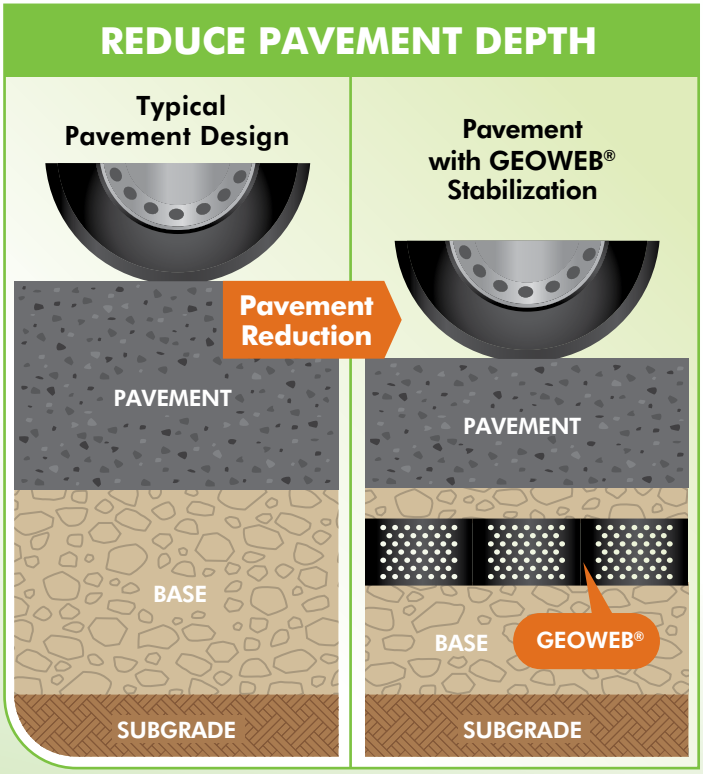
For 40+ years, engineers have employed the GEOWEB Soil Stabilization System to reduce subbase depths of pavements by improving the bearing capacity and base layer performance. The GEOWEB geocellular structure creates a stiffened base layer, and the resulting increase in bearing capacity can be used to **reduce the pavement depth.**

For a FREE analysis of your cost savings, complete the short Request for Project Evaluation Form located at www.prestogeo.com/free-project-design.

Reduce Your Pavement Thickness Up To:



REDUCE PAVEMENT DEPTH

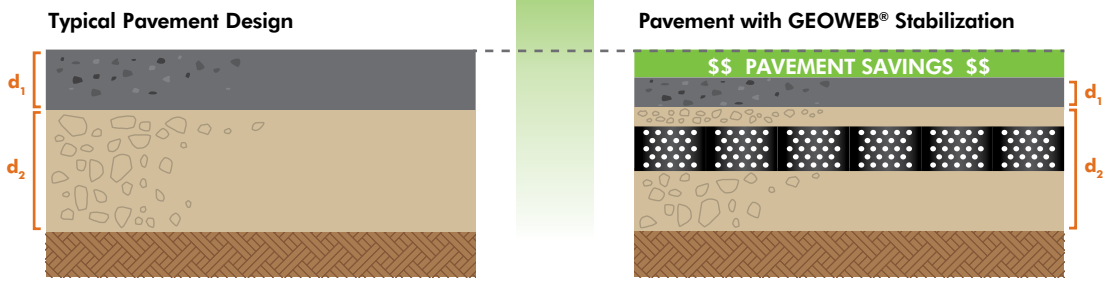


Example: Asphalt Cross-Section Calculations

$$a_2d_2 + a_1d_1 = SN = a_1d_1 + (a_2d_2 \times GW_{IF})$$

Pavement reduction calculations based on the following formulas and research:

- Asphalt
- GEOWEB®
- Base
- Subgrade
- **SN** Structural Number



a = Structural Layer Coefficient d = Depth

GW_{IF} = GEOWEB® Improvement Factor

References:

American Association of State Highway and Transportation Officials (AASHTO), "Guide for the Design of Pavement Structures," Washington, D.C., 1993.

"Structural Design of Roller Compacted Concrete for Industrial Pavements", Portland Cement Associations, 1987.

"Laboratory Evaluation of Geocell Reinforced Gravel Subbase Over Poor Subgrades, Geosynthetics International, 2013, 20, No. 2, Tanyu, Aydilek, Lau, Edil, Benson

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