



# **GEOBLOCK®/GEOWEB®** *solutions for trails and greenways*

## CASE STUDY SUMMARY 1



### THE GEOWEB® AND GEOBLOCK® SOLUTIONS

As communities develop and expand greenway and trails into environmentally-sensitive areas, finding cost-effective ways to protect the surface and adjacent land with low impact solutions is crucial. The challenge is to maximize permeability and/or green space while maintaining a trail environment that is stable, aesthetically-pleasing, relatively low maintenance, and environmentally-sound.

The Geoweb® and Geoblock® systems offer solutions to numerous trail and greenway needs—some of which are illustrated in this case study summary.

- Trail surface and base stabilization
- Trail-hardening
- Vegetated earth retention
- Slope stabilization

### CASE STUDY 1

**The Back Woods at Museum of Science and Industry (MOSI)**  
*Tampa, Florida*

The Geoblock® system created a walking path suitable for wheelchairs through the wooded nature area at MOSI. This 1.2 m- (4 ft-) wide x 762 m- (2,500 ft-) long path is filled with low-maintenance 6 mm (1/4 in) river rock.



**CASE STUDY 1**  
Trenton Recreational Trail  
Trenton Air Force Base  
Ontario, Canada

The Geoweb® system provided stabilization and resistance to seasonal flooding through a reclaimed area on a 9 m (5.5 mile) recreational trail. The Geoweb sections were placed over a woven geotextile and infilled with crushed limestone.



Photos courtesy Soil Stabilization Products Company

**CASE STUDY 2**  
Tanner-Moffett Creeks Trail  
Columbia River Gorge  
The Dalles, Oregon

Plans for a new 160 km (100 mile) bike and pedestrian trail required a series of switchbacks to bring the path underneath Interstate 84. The vegetated Geoweb® earth retention system with green facia provided an aesthetically-pleasing solution for Oregon DOT.



Photos courtesy RCAA—NRS for Soil Stabilization Products Company

**CASE STUDY 3**  
Hammond Trail  
Vista Point North  
McKinleyville, California

The Redwood Community Action Agency (RCAA) utilized the Geoweb® earth retention system to stabilize silty sand embankments on the uphill and downslope sides of the Hammond Trail at Vista Point North. Tan-facia Geoweb sections were used for aesthetic appeal on the 1.2m- (4 ft-) high gravity walls.



Photos courtesy Geo-Synthetics, Inc.

**CASE STUDY 4**  
Kettle Moraine State Forest  
Palmyra, Wisconsin

On a popular mountain bike trail plagued with erosion problems, Wisconsin DNR officials repaired steep areas with the Geoblock® system, creating a stable and permeable load-bearing surface.



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