



### DEPENDABLE EQUIPMENT ACCESS

### Traditional Approach for Maintenance Roads

Roads built to access electrical utility lines are typically unpaved with gravel surfaces and may cross over extremely soft ground, through environmentally-sensitive areas and over low-water crossings. Maintaining a stable driving surface for heavy maintenance vehicles and frequent passes can be a challenge. Deep ruts are common creating a slow and hazardous driving surface. Expensive maintenance follows as the result of degraded and impassable road surfaces.

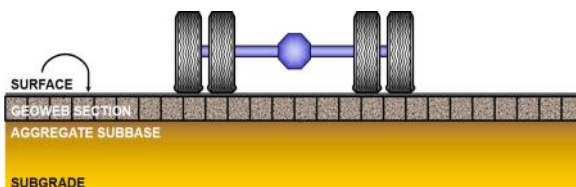
### GEOWEB® 3D CONFINEMENT TECHNOLOGY Method



To combat these challenges, roads built with GEOWEB 3D geocells and sand or aggregate infill are extremely stable and well-equipped to support heavy maintenance truck and equipment access. The confined aggregate surface provides a **high resistance to rutting** and **requires virtually no maintenance**. Local, low-cost fill may be used and GEOWEB road sections are easy to deploy and install, even in remote or difficult-access locations.

### BENEFITS of GEOWEB®-Confined Aggregate

- Creates a stiff load distribution system that prevents infill movement and deep rutting from vehicle and equipment access stresses-even over soft, wet ground.
- Reduces structural support systems 50% or more. Over soft ground, a single GEOWEB layer can accomplish that of 2-3 layers required by geogrids.
- Confined infill requires virtually no surface maintenance.
- Safe & easy to install with field crews and no need for heavy equipment.
- A low-environmental impact solution for environmentally-sensitive areas.



THE GEOWEB GRANULAR PAVEMENT SYSTEM



# GEOWEB®

## TRANSMISSION MAINTENANCE ROADS

### GEOWEB® 3D CONFINEMENT TECHNOLOGY

**GEOWEB System 'transforms' aggregate through confinement technology.**

GEOWEB-confined aggregate is stable, and resistant to shoving and movement common of unpaved aggregate roads under heavy load stresses.

The GEOWEB road system is easy to deploy and install-even in remote or difficult-access locations. GEOWEB roads are built with 50% less cross section of aggregate, even allowing use of locally-available, low-cost fill to support heavy vehicles with minimal environmental impact. For optimal drainage and to reduce water accumulation on the surface, OGBC (open-graded base course) can be used.

### Easy Installation, Low Maintenance Solution

A geotextile separation fabric is first installed over the subgrade, followed by the GEOWEB sections. Infill is placed into the GEOWEB 3D network of cells and then compacted. The road is ready for immediate traffic!

**Ideal for maintenance vehicle access across undeveloped land to service utility and power lines, the GEOWEB system is an economical surface stabilization solution that is easy to deploy, easy to install, and requires virtually no maintenance.**



Ideas that will  
work for your  
Project?



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Project Evaluation

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