

GEOWEB®

Intermodal Pavement SURFACE STABILIZATION



KCSM INTERMODAL Salinas, Mexico

GEOWEB® System Eliminates Concrete Requirements to Support Heavy Container Cranes.

Project Description

The railroad intermodal facility in Salinas, Mexico desired a less-expensive alternative to the commonly-used concrete structure for building good quality platforms in order to support their heavy container loading/unloading cranes. **The GEOWEB® soil confinement system is a proven alternative to concrete pavement.**

Design Criteria

The loading for the intermodal facility was called for cranes with wheel loads of 728 kN (160,000 lbs). The design evaluation was based on that loading and a contact pressure of 760 kPa.

- ◇ Subgrade CBR strength was factored at 10%.
- ◇ Geotextile separation was not required because of the firm subbase.
- ◇ A commonly-used crushed limestone with $\leq 20\%$ fines was used for the base and infill material.

The GEOWEB® Solution

A depth of 42 cm (16.5 in) of concrete was originally specified, but the GEOWEB GW30V6 (6-inch) allowed a replacement of the concrete with 8 cm (3.1 in) of compacted aggregate over the GEOWEB system. An asphalt tack coat was placed over the aggregate infill material as a surface stabilizer.



GEO SYSTEMS

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