



Support Crane Operations with Tensor® InterAx™ Geogrid

Parking Garage Deck Construction

CLIENT'S CHALLENGE

To support crane operations and provide an adequate factor of safety for bearing capacity during critical lift load cases, the project called for a working platform to be constructed over the existing soils at the site. The crane, a Liebherr LR 1280, was to impose loading in a triangular pressure distribution with a maximum applied ground pressure of 11,416 pounds per square foot.

TENSAR SOLUTION

After using Tensor+™ design software, a stabilized working platform using Tensor InterAx Foundation NXF Geogrid was recommended by the Engineer. The stabilized working platform consisted of 12 inches of compacted subgrade, a layer of InterAx NXF Geogrid, and 16 inches of aggregate.

By implementing this engineered solution, the stabilized working platform was constructed in less than a day and was ready to support the anticipated crane activity. It proved to be ideal for improving ground conditions and speeding up construction.

 Florida, USA

Installation: December 2021

Product: InterAx NXF geogrid

Project Size: 10,000 SF

Value: Provide additional support to the in-situ soil to provide an adequate bearing capacity factor of safety and accelerate construction

