

Excessive undercutting avoided
and construction time saved with
InterAx® design



Substation Project

Oklahoma

CLIENT'S CHALLENGE

The contractor encountered extremely soft subgrade conditions (<1% CBR) at the substation site due to recent heavy rainfall. These poor soil conditions posed a significant challenge to constructing a stable working platform, threatening delays and increased costs due to deep undercutting and excessive aggregate use.

TENSAR SOLUTION

Tensar and its distribution partner Ferguson worked together to address the soft subgrade issue. Tensar mobilized quickly, performing DCP testing on-site the next day alongside the contractor. Following the testing, Tensar provided a design recommendation that eliminated the need for an undercut and hefty aggregate section. The implemented solution was InterAx® NX850 geogrid placed directly on the subgrade followed by 12" of aggregate installed on top.

This approach delivered substantial cost savings by eliminating excavation and reducing the aggregate thickness. In addition to the financial impact, the solution significantly reduced construction time, helping the contractor stay on schedule. Tensar and Ferguson provided on-site assistance throughout the installation to ensure a successful completion.

"Saved the project and worked well."

Mark Brown | Hammer Construction
VP Operations

Tensar
A Division of CMC

PROJECT DETAILS

Contractor
Hammer Construction

Distributor
Ferguson

Installation
July 2025



The site went from excessive rutting to a smooth, finished surface without excessive undercutting.

let us help you with your next challenge: [TensarCorp.com](https://www.tensarcorp.com) email: TensarMarketing-WH@cmc.com



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