



## InterAx® Geogrid Reduces Costs and Keeps Project on Schedule After Chemical Stabilization Failure

### CLIENT'S CHALLENGE

The contractor needed a solution to stabilize soft soils encountered on a building pad site. After reviewing the options, the contractor elected to cement treat the entire site. However, after a series of heavy rainstorms, the cement stabilization failed, with the site experiencing heavy deflections and rutting from construction traffic. The engineer, Youngdahl Consulting, needed to provide the contractor with a recommendation to stabilize the subgrade since the site would need to support heavy construction traffic and eventually heavy crane loading.

### TENSAR SOLUTION

Working with the engineer, a local Tensor representative visited the site to perform DCP testing in areas experiencing rutting. Using data from the DCP tests, the client was provided with several design scenarios incorporating InterAx geogrid. InterAx geogrid improves confinement of unbound aggregate materials, resulting in a stiffer, more durable working surface. Subgrade strength specific aggregate thicknesses ranging from 8-12" was placed on top of InterAx NX850 geogrid. This solution minimized planned over-excavation, reducing costs and allowing the project to stay on schedule.



Building Pad Site

📍 El Dorado Hills, CA

Youngdahl Consulting Group  
Engineer

Western Engineering  
Contractor

March 2024  
Installation

InterAx NX850 geogrid  
Product

