



## Cost and time savings achieved with Tensor<sup>®</sup> InterAx<sup>®</sup> Geogrid

Tranquillo Subdivision  
Oro Valley, AZ

### CLIENT'S CHALLENGE

Soft subgrades became a challenge during the construction of a subdivision. Poor quality silty subgrade and a very wet winter/spring created moisture at depth. This caused instability and a solution was needed to better support construction and in-service traffic. Both cement stabilization and an unstabilized design with additional aggregate proved to be expensive.

### TENSAR SOLUTION

The Lees Approach (LAAMS) for unpaved roads was used to design a solution using InterAx NX850 geogrid and 9" of AB. LAAMS offers more precision in the design since it incorporates the true behavior of a geogrid-stabilized design when subjected to dynamic stresses from vehicular loading. This solution resulted in 44% cost savings, saved a day of construction and reduced carbon by 49% when compared to an unstabilized design with additional aggregate.

**Installation:** June 2023

**Product:** InterAx NX850 geogrid

**Project Size:** 9,000 SY

**Value:** The InterAx stabilized subgrade design provided cost and time savings on the project.

