



Salt Lake City, Utah

## PROJECT

Salt Lake City International Airport Expansion

## PRODUCT

Tensar TriAx TX7

## QUANTITY

77,000 square yards

## OWNER AND/OR DEVELOPER

Salt Lake City International Airport

## CONTRACTOR

Ames Construction

## ENGINEER

GSH Geotechnical, Inc.

Salt Lake City, Utah

## INSTALLATION DATE

April, 2017

## PROJECT DETAILS

The soft soils of the Salt Lake Valley create numerous construction difficulties. Before buildings could be erected for the Salt Lake City International Airport expansion project, significant site work challenges needed to be addressed on the massive 136-acre site. The native clay soils contained high amounts of silts and were saturated providing weak support characteristics (CBR 1%). This rendered traditional stabilization efforts incompatible with the heavy loads required to support the numerous crane operations needed for construction. The geotechnical engineer of record recommended creating a compacted, multi-layer system of TriAx TX7 geogrid and aggregate under the area to create a firm and unyielding platform to support the 600-ton crawler crane operations. Once the terminal expansion is completed, the geogrid will provide additional benefit during tarmac construction and serve as a more uniform subgrade to support future airplane and service vehicle loads.



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