

# TriAx®

## PROJECT

ADOT SR347 at Union Pacific Railroad

## LOCATION

Maricopa, Arizona

## PRODUCT

TriAx TX7 Geogrid

## QUANTITY

89,039 square yards

## OWNER AND/OR DEVELOPER

Arizona Department of Transportation

## CONTRACTOR

Ames Construction

## ENGINEER

Ninyo & Moore Geotechnical and Environmental Consultants

## INSTALLATION DATE

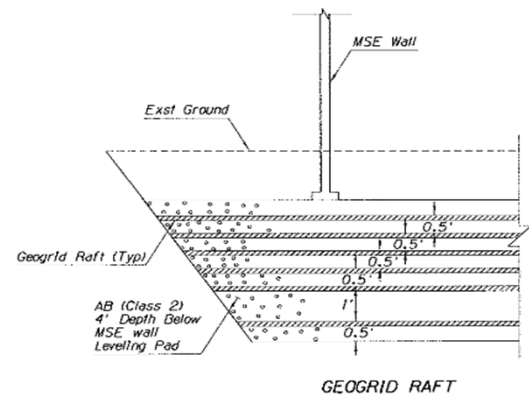
June 2018

## PROJECT DETAILS

SR 347 is Maricopa's main transportation corridor through the community, serving as a regional connector to major employment and recreation areas. Traffic averages over 31,000 vehicles per day and future projections show over 60,000 vehicles per day. Just south of the Maricopa-Casa Grande Highway, SR 347 crosses the existing UPRR where there are currently 40 to 60 trains per day. UPRR has plans to expand service, which would increase train traffic upwards of 100 trains per day. To address these growing demands, the Arizona Department of Transportation has constructed a new overpass to replace the at grade rail crossing, improving safety and lessening traffic congestion.

Tensar worked with the design team to provide an economical and time saving solution to support the MSE bridge abutments for the new overcrossing. Applying the pioneering T-Value design method, Tensar's TriAx geogrid RAFT system using multiple layers of TriAx TX7 geogrid, offered the design solution to reduce project geotechnical risks within the site constraints.

Maricopa, Arizona



# Tensar®

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