# **PROJECT** PROFILE



Page, Arizona

PROJECT US Highway 89/ SR 98/ Navajo Route 20

LOCATION Page, Arizona

PRODUCT Tensar TriAx<sup>®</sup> 130s

**QUANTITY** 583,000 square yards

#### OWNER

Arizona Department of Transportation

**CONTRACTOR** FNF Construction

**ENGINEER** Arizona Department of Transportation Materials

### **INSTALLATION DATE** June/ July 2013

# **PROJECT DETAILS**

After a land slide occurred in the spring of 2013 the Federal Highway Administration funded this emergency bypass route so that repairs could begin on the collapsed portion of Highway 89. Navajo Route 20, the new bypass needed 13 miles of asphalt overlay and 27 miles of newly constructed road. The subgrade on the project was mostly a poorly graded sugar/ blow sand that became highly collapsible without the presence of moisture. The layer of TX130s was designed into the road section by ADOT's Materials and Pavement group in order to accomplish several things. First it aided in construction by locking the thin aggregate base layer together, bridging the unstable areas and providing for a stable consistent construction platform. Material costs on this large project were a driving factor as well. Using the TX130s geogrid saved over 2 million dollars in aggregate base and trucking costs. Lastly the structural benefit of the grid will increase the design life of the road by over 3 times.



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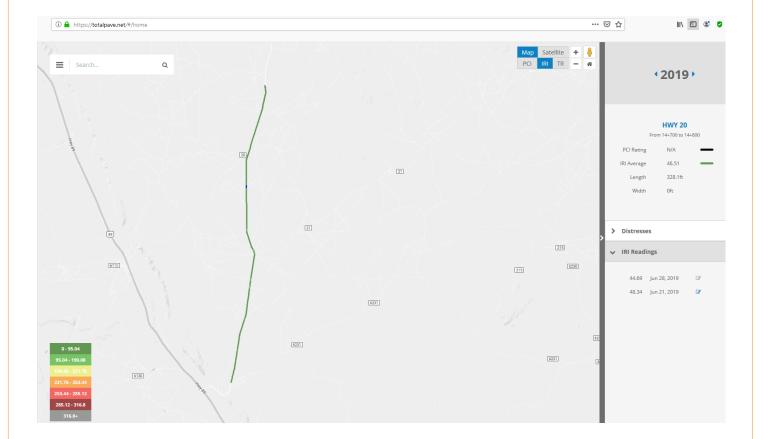




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## **PROJECT PERFORMANCE**

As part of Tensar's continued validation the TotalPave<sup>®</sup> is used to measure the performance of the projects. In 2019 after 6 years in service measurements indicate that the roadway is performing well with good PCI readings and IRI reading typically below 100 inches per mile.



# **Tensar**