



PROJECT

Weld County Road 49 Reconstruction

LOCATION

Weld County, Colorado

PRODUCT

TriAx Geogrid

QUANTITY

1,215,000 Sq yds

OWNERS

Weld County

CONTRACTOR

Interstate Highway Construction

INSTALLATION DATE

July 2016 – November 2017

TYPICAL PAVEMENT SECTION

11' PCCP on 6" RAP on TriAx Geogrid

PROJECT DETAILS

The Weld County Road 49 design-built project reconstructed approximately 20 miles of five lane, concrete roadway in rural Weld County. Tensar partnered with the contractor to replace 6" of conventional aggregate base and 24" of R-40 material with 6" of recycled asphalt product (RAP) and TriAx geogrid. Use of RAP allowed existing material to be processed onsite, eliminating over 200,000 tons of haul off and imported virgin aggregate. Elimination of the 24" of R-40 material eliminated 230,000 cubic yards of excavation and import. These reductions resulted in savings of 796,606 gallons of fuel and 8,908 tons of CO2 emissions by using TriAx geogrid.



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