

## PROJECT SUMMARY

# Tire Products Grant



## Georgia Southern University - FY24 Awardee

Georgia Southern University Research and Service Foundation (GS) was awarded a Tire Products Grant of \$199,838 to improve the durability of modified asphalt mixtures of Ground Tire Rubber (GTR) in pavements in Georgia. GTR can be mixed in asphalt pavement and provides a sustainable solution to reuse scrap tires.

The research project seeks to determine the effectiveness of using a higher percentage of GTR in asphalt compared to the current standard. Increasing the GTR percentage in asphalt, could result in the beneficial reuse of scrap tires and reduce the use of virgin materials in paving products.

GS's research evaluates the long-term performance of an asphalt mixture with a higher GTR content by rutting resistance testing, crack testing, and fatigue life testing.

These tests help determine the optimum mix ratio of GTR in asphalt mixtures to assess environmental and economic benefits such as road life expectancy and load strength.