

Development of Holistic Methodologies for Improving Asphalt Mix Durability (Year 1)

- ❑ Multiple-institute collaboration
 - ❑ Missouri University of Science and Technology (S&T, Jenny Liu)
 - ❑ Dr. Fujie Zhou, Texas A&M University (Fujie Zhou)
 - ❑ Dr., the University of Utah (Pedro Romero)

- ❑ Duration: May 2020 – June 2021

- ❑ TriDurLE \$\$178,102 & 1:1 match from Missouri S&T, Texas A&M University, and the University of Utah



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- ❑ Relevant to the thrust area 4 — addressing aging and other materials-related durability distresses of transportation infrastructure through the use of new materials, technologies, and construction methodologies
- ❑ Objective - develop three holistic and implementable methodologies for durable lab mix design, plant production and field placement
- ❑ Potential Benefit - DOTs and contractors can use these methodologies to improve mix durability and extend pavement lives by at least 15%.