Development of Holistic Methodologies for Improving Asphalt Mix Durability (Year 2)

- Multiple-institute collaboration
 - ☐ Dr. Jenny Liu, Missouri University of Science and Technology
 - Dr. Fujie Zhou, Texas A&M University
 - Dr. Pedro Romero, the University of Utah
- ☐ Duration: July 2021 June 2022
- ☐ TriDurLE \$175,362 & 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
- By the end of Year 2, this project will develop (1) a systematic methodology for designing durable mixes in the laboratory, (2) a performance-related methodology for production quality control and quality assurance (QC/QA) at asphalt plants, and (3) an innovative methodology for placement acceptance in the field.
- □ Potential Benefit DOTs and contractors can use these methodologies to improve mix durability and extend pavement lives by at least 15%.

