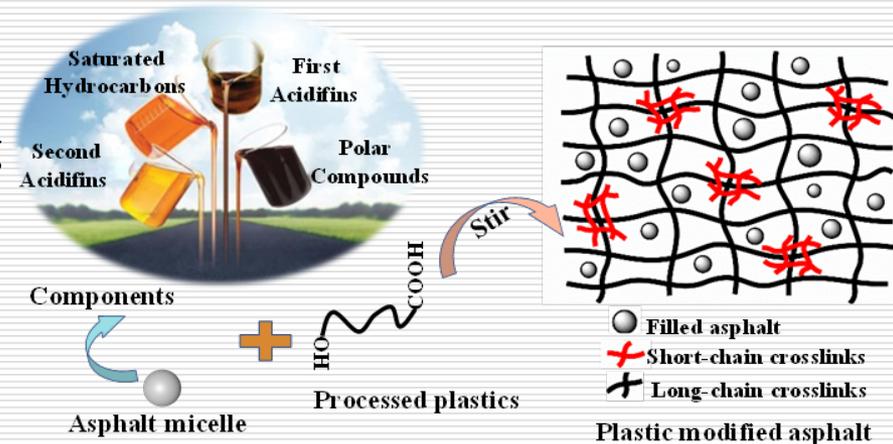
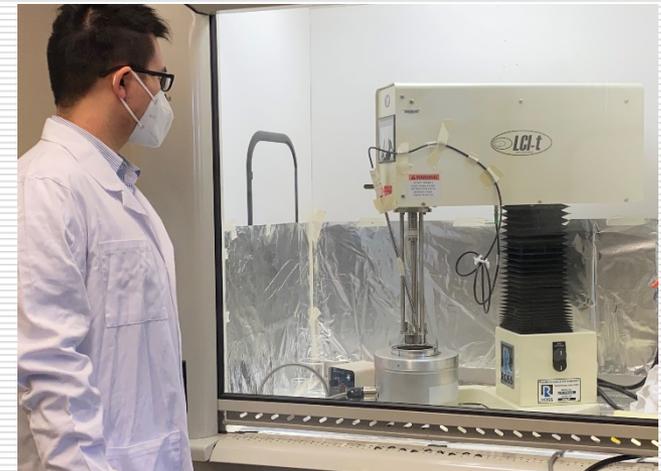


Use of Recycled Plastics in Asphalt Pavements (Year 2)

- ❑ Dual-disciplinary Research:
 - ❑ Dr. Jenny Liu, Civil Engineering
 - ❑ Dr. Xinhua Liang, Chemical Engineering
 - ❑ Missouri University of Science and Technology (S&T)



- ❑ Duration: July 2021 – June 2022
- ❑ TriDurLE \$67,472 & 1:1 match from Missouri S&T



Use of Recycled Plastics in Asphalt Pavements (Year 2)

- ❑ 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

- ❑ Objectives
 - ❑ Investigate the viability of using recycled plastics in asphalt
 - ❑ Investigate the effects of different recycled plastics on the properties/performances of asphalt binder/mixture
 - ❑ Identify potential issues of recycled plastics in asphalt

- ❑ Potential Benefits
 - ❑ Improved pavement performance with substantial saving on maintenance and repair
 - ❑ Eliminate the growing amount of waste plastics being landfilled or polluting the environment through litter.