

# Physical Presence is Required

## Laboratory Evaluation of Fiber Reinforced Asphalt Mix Using Lab and Plant Mixed Materials

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**Goal** is to evaluate the performance of fiber reinforced asphalt mixtures for cold regions. Plant and lab mixed materials will be evaluated to figure out the low temperature cracking, fatigue cracking and rutting. **(4 CEE Students)**

In this work, following tasks will be performed over the next academic year:

- Performance measurement of lab and plant mixed material: Cracking performance at 25° C (IDEAL-CT, Texas Overlay), Cracking performance at intermediate temperature (SCB), Low-temperature cracking at -18° C (DCT), Fatigue at 20° C (4-point bending beam test) and rutting performance at 64° C (APA) calibration.
- Data compilation and analysis
- Rank performance for different fiber types.
- Write up and Analysis

