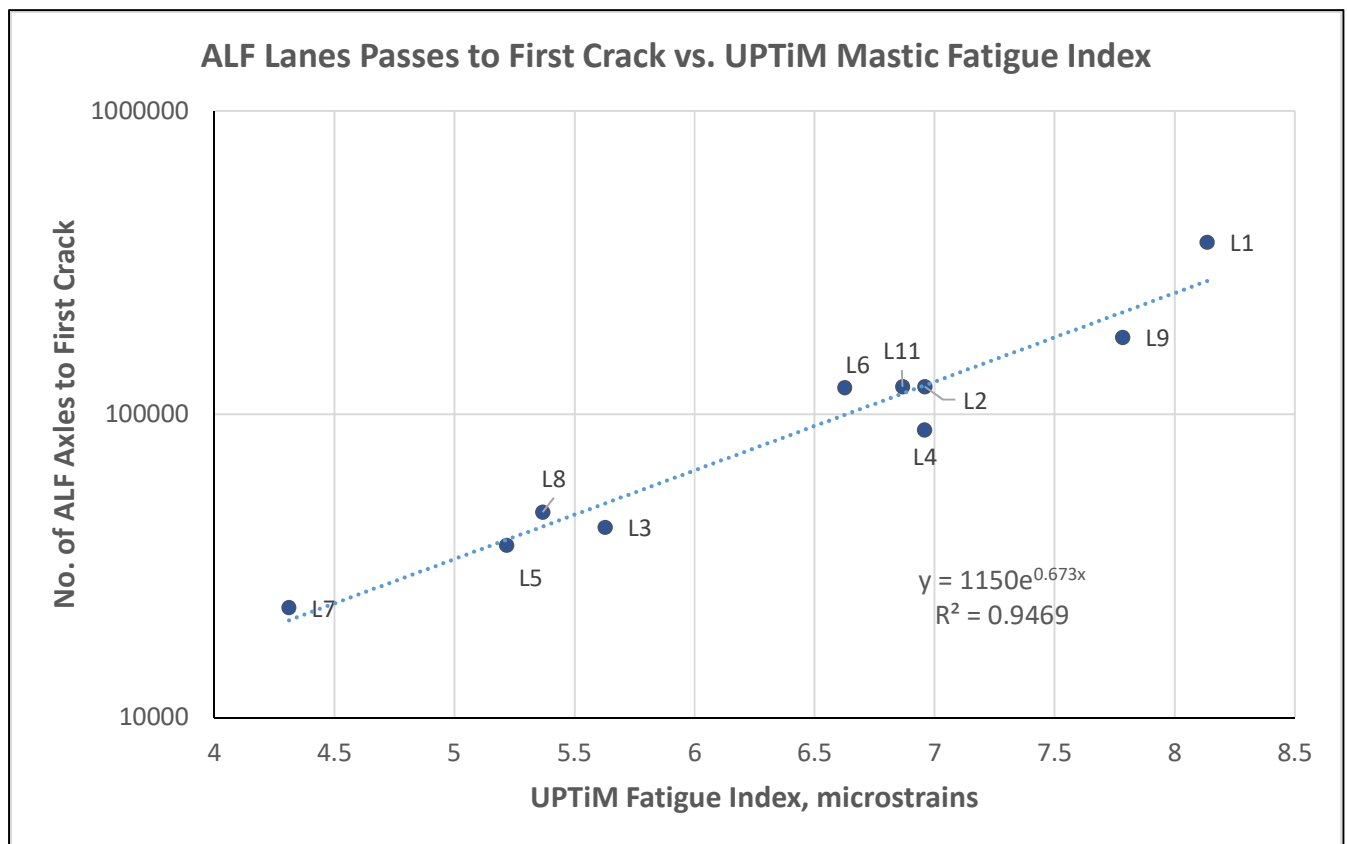


FIT-C: Composite Mastic Fatigue

(Fatigue at Intermediate Temperature for Comp. Mastic)

- Determines cracking resistance of asphalt mixture
- Conducted using Temperature Sweep and Pulse Load
- Provides two parameters at the same time: Intermediate Temperature (IT) and fatigue index (FI)
- Can determine effects of RAP, RAS, REOB, PPA, and Polymers
- Automated testing process, which takes less than 30 minutes



Applications

- correlates with the ALF Passes to Failure (above)
- correlates with Mixture Fatigue (below graph)
- CB could be tested for fatigue in place of testing mixture
- Provides estimate of allowable traffic before cracking

