

Comments-General

1. Showing very good understanding of the problems.
2. Lack of some details on specific methods, models and experiments.
3. Lack of integration WRI efforts with Texas A&M efforts, in modeling methods, experiment design, and data.

Comments-Specific

1. How the Unified Fatigue Damage Model differs from the Micromechanical Model or how they are related?
 2. Dynamic or cyclic loading?
3. Subtask F1c-3, F1c-4, on aging transport model and aging effect on viscoelastic, fracture and permanent deformation, WRI-Texas A&M coordination
4. Fundamental model at the atomic scale on healing, available in polymer area?

Comments-Specific

5. Would like to see generic models/test methods that can cover both modified and non-modified binders.
6. Suggestion for a comprehensive validation program to see how these models and experimental results upscale, from binder to mastics and from mastics/binder to mixture, and how these models are related.