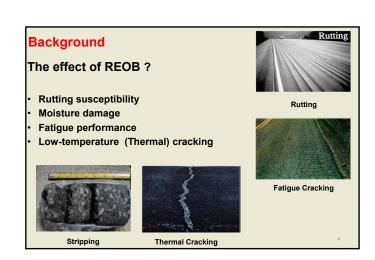
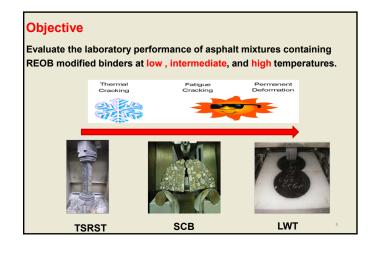
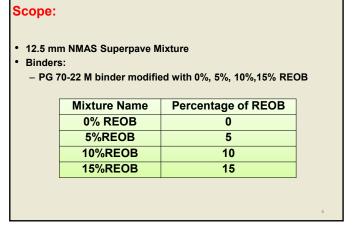


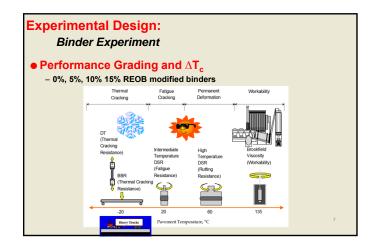
Outline Background Objective Scope Experimental Design Results Conclusions

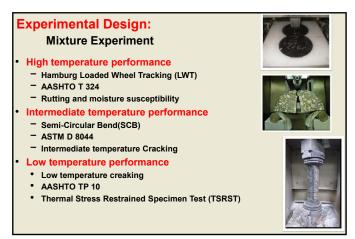
Background What is REOB? • Re-refined Engine Oil Bottoms • Or Vacuum Tower Asphalt Extender (VTAE) • Non-distillable residuum from a vacuum tower • Used as a softening agent with the increasing use of RAP/RAS This is NOT REOB [Safety-Kleen]

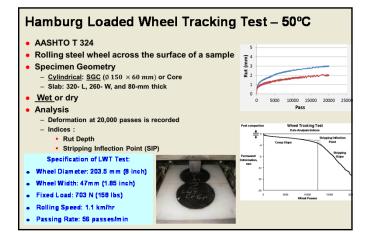


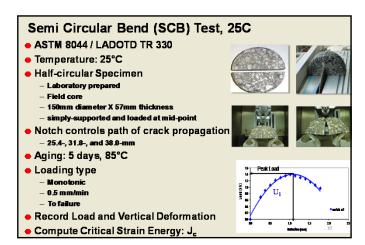


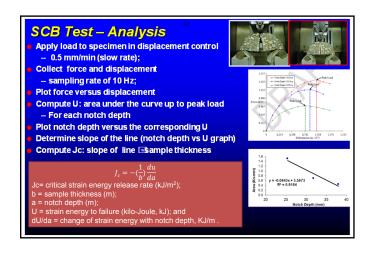


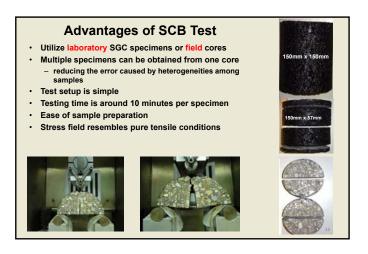




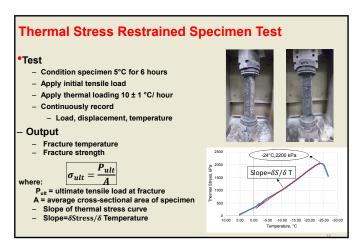


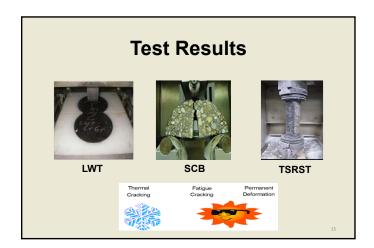


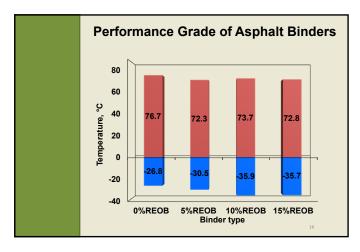


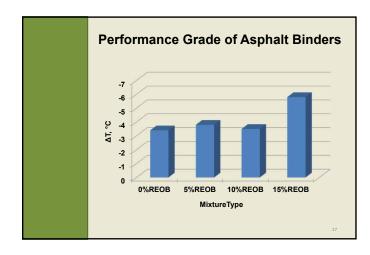


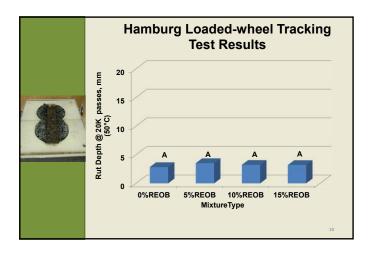


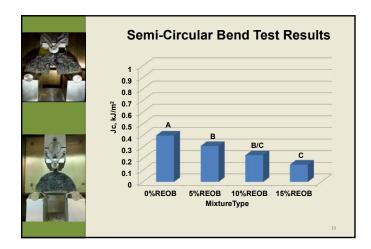


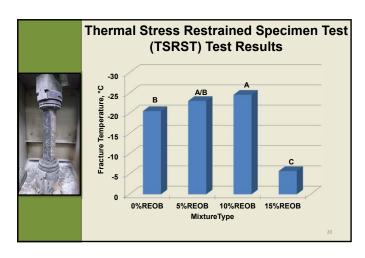


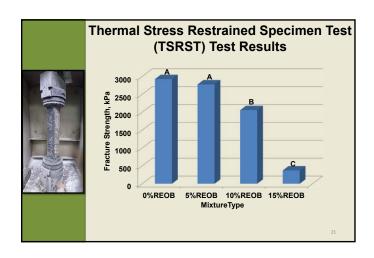


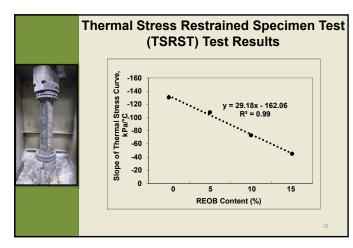












Laboratory Performance Test Results of Mixtures containing various percentages of REOB High Temp Intermediate Low Temp **Mixture Type** Temp (SCB) (TSRST) (LWT) 0% REOB A Α В 5%REOB Α В A/B 10%REOB Α B/C Α 15%REOB Α C C Note: The letter A was assigned to the best performer followed by the other letters in appropriate order.

