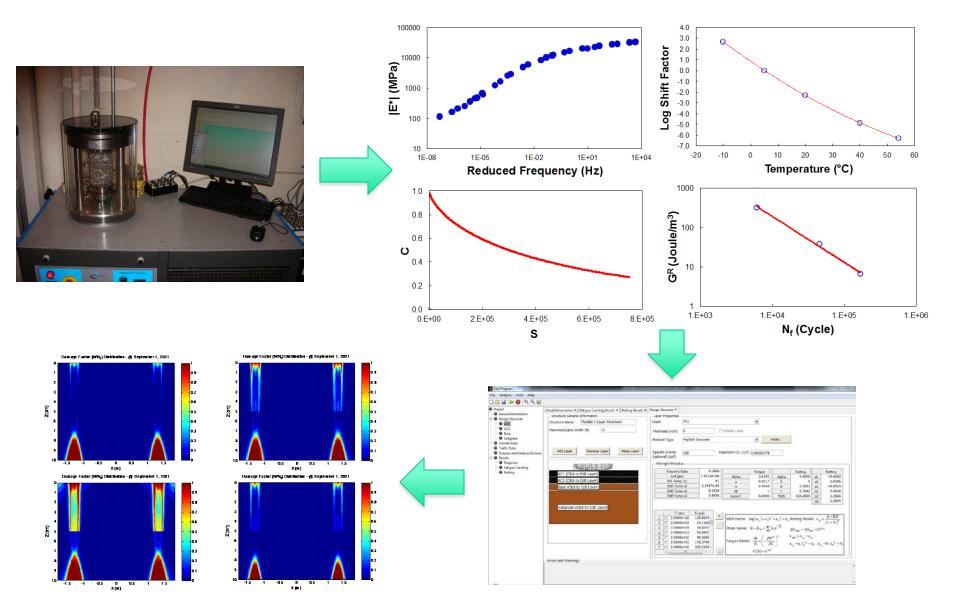
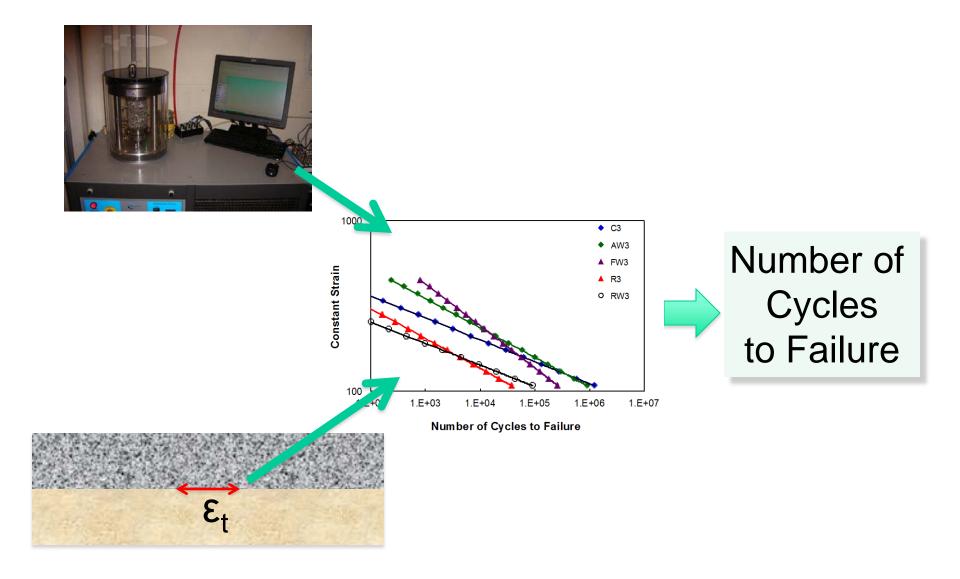
Evaluating Different Ways to Predict Pavement Cracking Performance

NCAT Test Track Pavements (7-inch)
FHWA ALF Pavements (4-inch)

S-VECD/LVECD Prediction

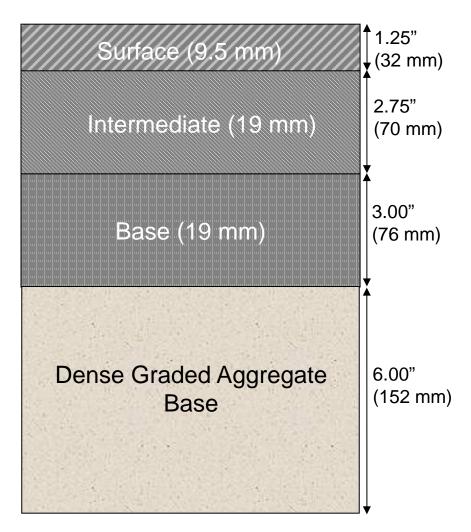


Constant Stress/Strain Based Prediction



NCAT Mixtures & Test Sections

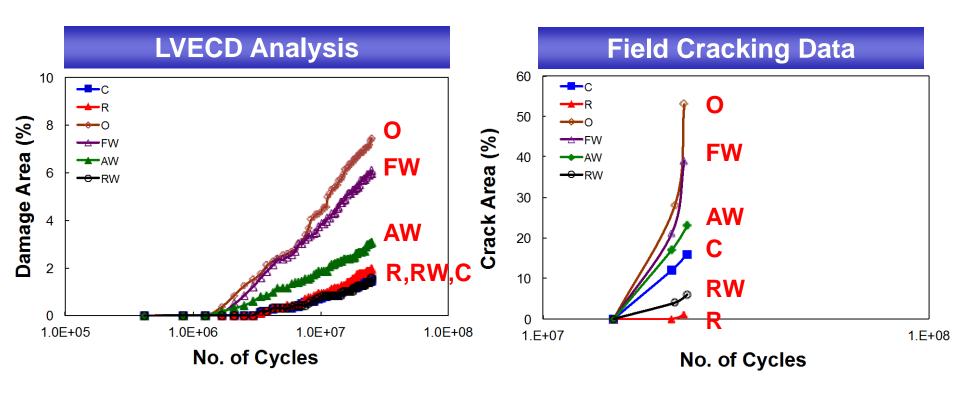
Mixtures	Label
Control	С
OGFC	0
High RAP	R
RAP+WMA	RW
Foam WMA	FW
Evotherm WMA	AW



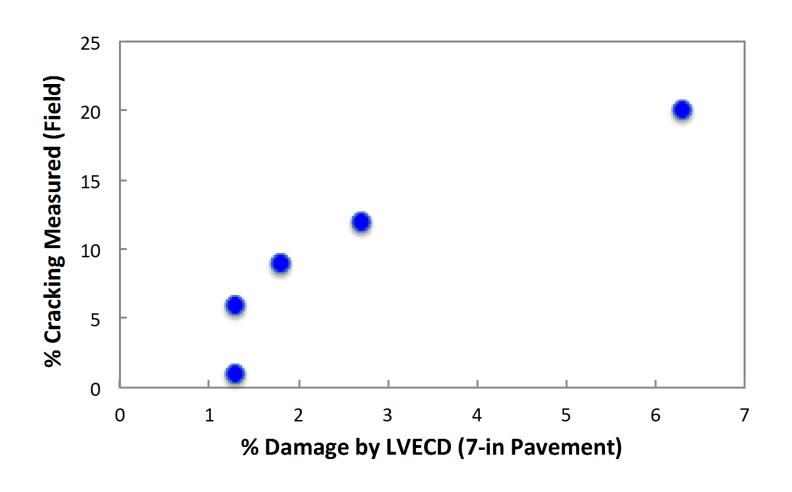
Stiff Subgrade

Laboratory-to-Field Correlation

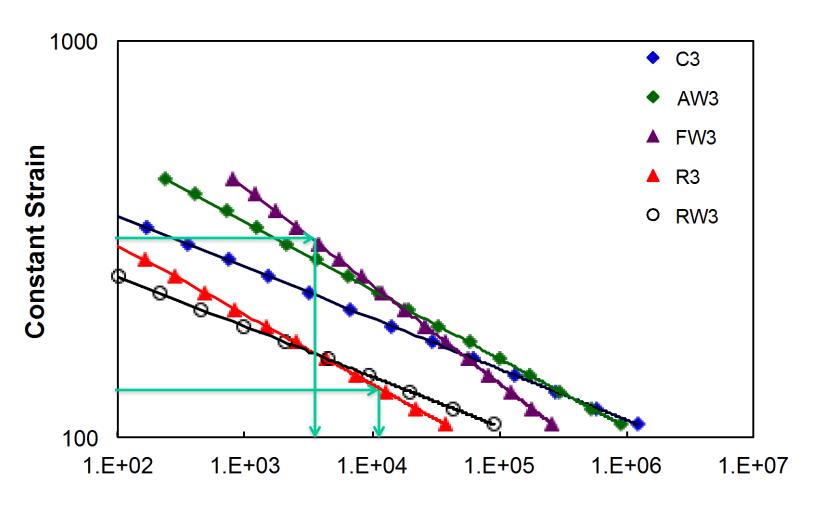
NCAT Sections



LVECD Predictions of NCAT Pavements

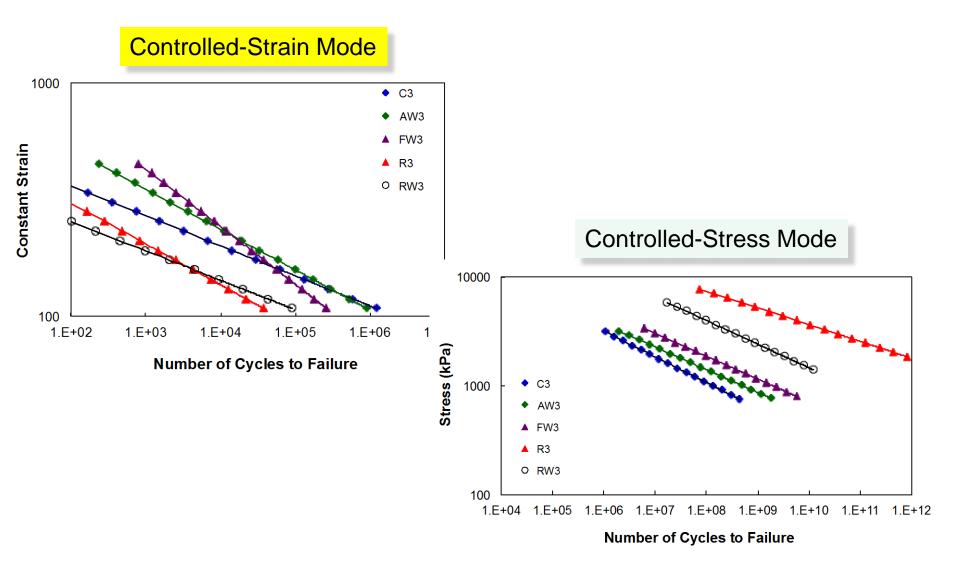


Using Controlled-Strain Mode

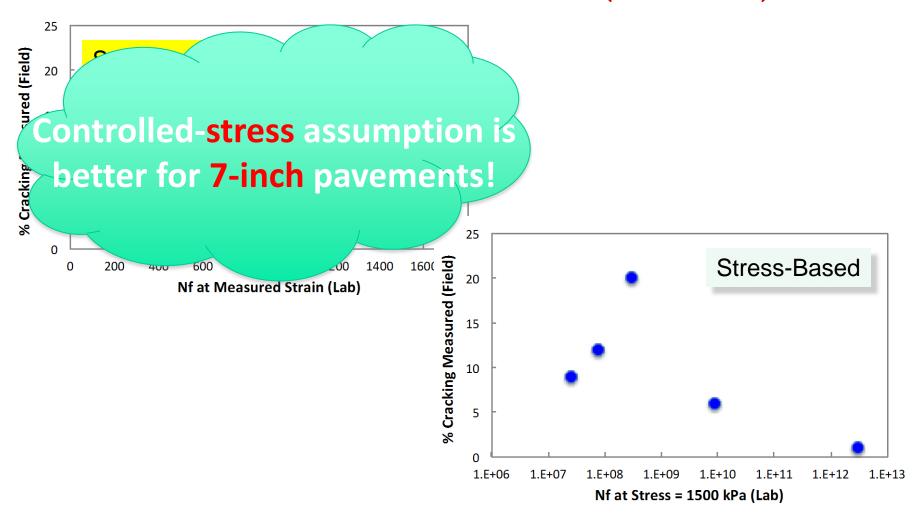


Number of Cycles to Failure

Using Different Modes of Loading

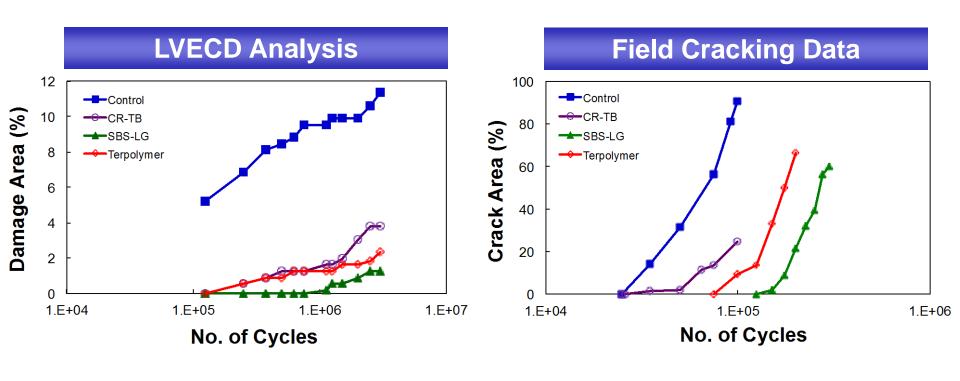


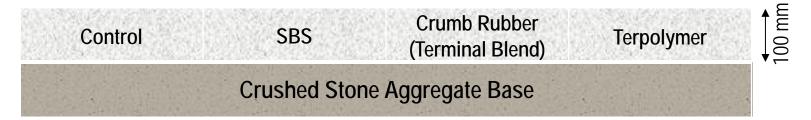
S-VECD Predictions on NCAT Pavements (7-inch)



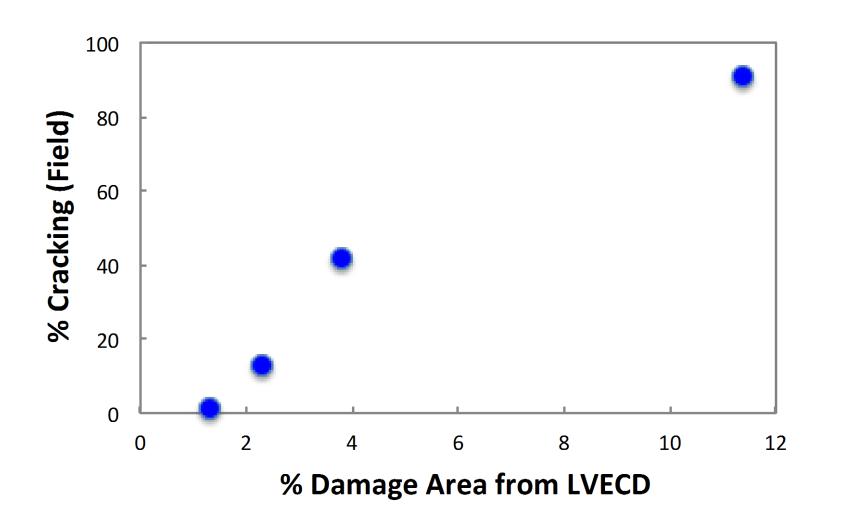
Laboratory-to-Field Correlation

FHWA-ALF (100 mm Pavement)

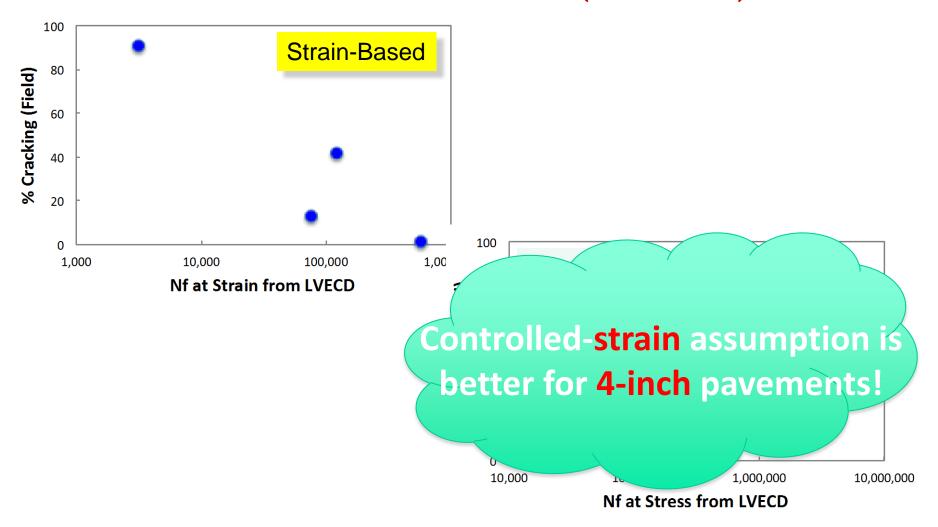




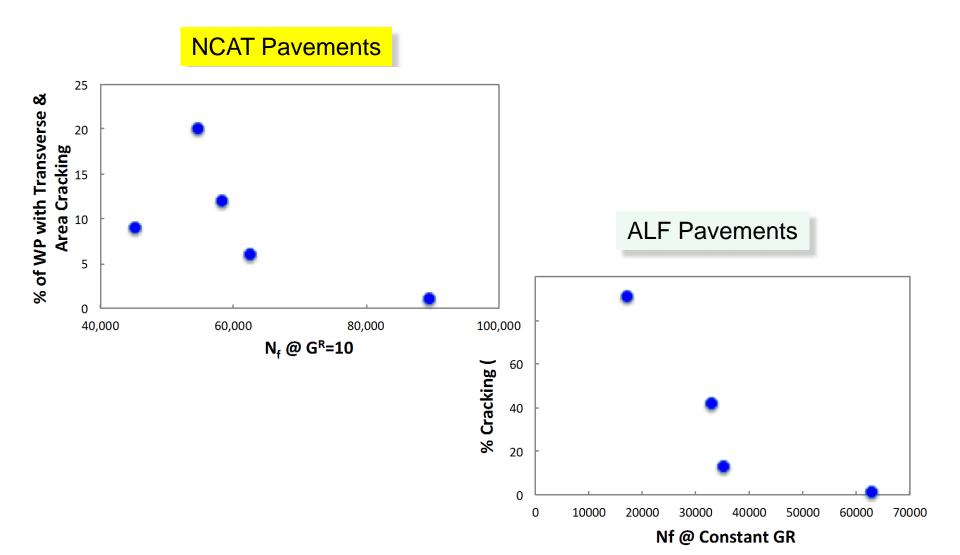
LVECD Predictions of ALF Pavements



S-VECD Predictions on ALF Pavements (4-inch)



Ranking based on Energy (GR)



LVECD Predictions

