

Asphalt Materials Cracking Tests NCHRP 9-57

COMMITTED TO

papa 20
papa 15

SMOOTH, SUSTAINABLE,
LONG-LASTING
PAVEMENTS

Annual Regional Technical Meeting
By Gary Hoffman, Executive Director

Asphalt Materials Cracking Tests

Disk Shaped Compact Tension (DCT) Test:

<https://www.youtube.com/watch?v=r7y-0AziaP8>

Semi-Circular Bend (SCB) at Low Temperature:

<https://www.youtube.com/watch?v=mWKXZhEHot0>

**IDT Creep Compliance and Tensile Strength
(AASHTO T-322)**

<https://www.youtube.com/watch?v=gm32xzgCYQo>

Uniaxial Thermal Stress and Strain (UTSST):

<https://www.youtube.com/watch?v=RCxmwqFfSxk>

Texas Overlay (T-248L):

https://www.youtube.com/watch?v=tLGVK_mHX_I

Flexural Bending Fatigue (AASHTO T-321):

<https://www.youtube.com/watch?v=hW5Idp6aEck>

Semi-Circular Bend (SCB) Mid-Temperature:

https://www.youtube.com/watch?v=0Co0-G_LXfw

Direct Tension Cyclic Fatigue (S-VECD):

https://www.youtube.com/watch?v=N9v2f_nmxMU

Repeated Direct Tension (RDT):

<https://www.youtube.com/watch?v=6RiboMUztYE>