



Virginia Center *for* Transportation
INNOVATION
& **RESEARCH**

We bring innovation to transportation.

HVSIA Update - Virginia

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Pavements at VDOT

- **VDOT maintains 124,700 lane miles of pavements**
 - 6,000 interstate
 - 21,800 primary
 - 96,900 secondary
- **Third largest state-maintained system in the US**
- **Pavement rehab budget is about \$350 million**

Research at VDOT

- **VCTIR is VDOT's research division**
- **50 full-time employees**
- **Joint agreement**
 - **University of Virginia and VDOT, 1948**
- **Annual budget approx. \$15-17 million**
- **In-house and contracted research**
 - **Most university work to Virginia Tech**



VCTIR

- VTRC.net
 - VCTIR used to be VTRC
 - #\$\$%*! politics

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Bringing Innovation to Transportation

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Stacy Diefenderfer mounts the spindle in a dynamic-shear rheometer, used to test asphalt binder in pavements.

A partnership of the Virginia Department of Transportation and the University of Virginia since 1948

THE VIRGINIA CENTER FOR TRANSPORTATION
INNOVATION AND RESEARCH
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Anticipated HVS Research

- **Increasing recycled content**
 - RAP / RAS
 - In-place pavement recycling
 - Rejuvenators
- **Bridge component testing**
- **Jointed concrete overlay options**
- **Rehab options for secondary system**
- **Performance of SMA vs. dense-graded mixes**
- **Other...**





PROPOSED
45,000 SF
ASPHALT PAVEMENT LAB

STORMWATER
MANAGEMENT
FACILITY





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Thanks!



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