



The Virginia Tech Transportation Institute

Background

Established in August 1988

- US DOT
- University Transportation Centers Program
- Largest university-level research center at Virginia Tech
 - Over 200 staff and students working on approximately 100 projects
 - \$80 Million Awarded
 - \$22 Million in Annual Expenditures
 - Largest supporter of both undergraduate and graduate students



Unique Facilities



Instrumented Vehicles

The Virginia Smart Road



The Virginia Smart Road



The Virginia Smart Road is VTTI's most well-known facility built to federal & state specs with weather-making equipment to generate rain, snow & fog.



Research Areas

A photograph of a highway with a white sedan in the foreground and a truck in the background, with a forested hillside in the distance. The image is used as a background for the text.

- Human Factors and Safety (naturalistic studies)
- Transportation Technology
- **Sustainable Transportation Infrastructure**
- Traffic and Mobility
- Transportation Policy
- Product Development

Center for Sustainable Transportation Infrastructure

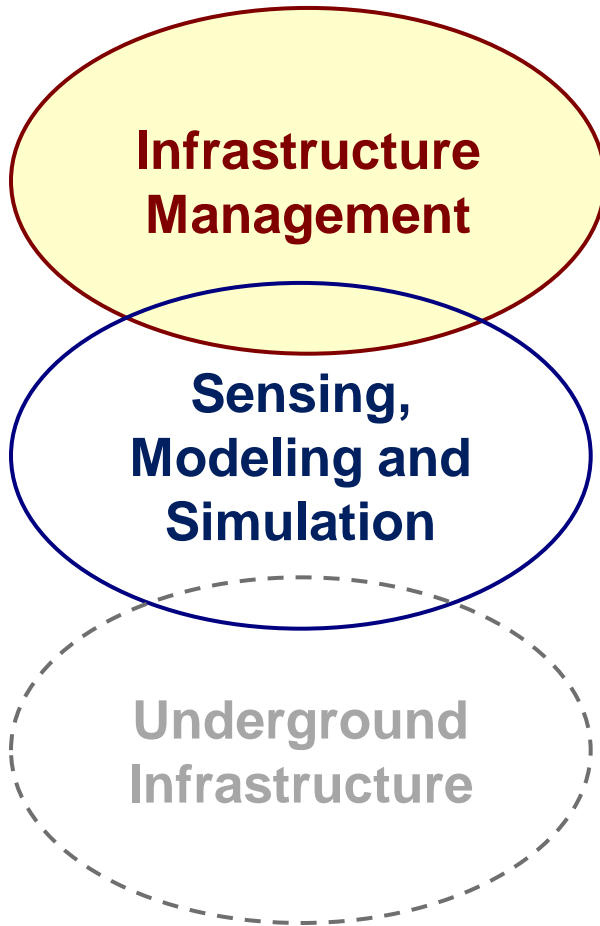


Vision

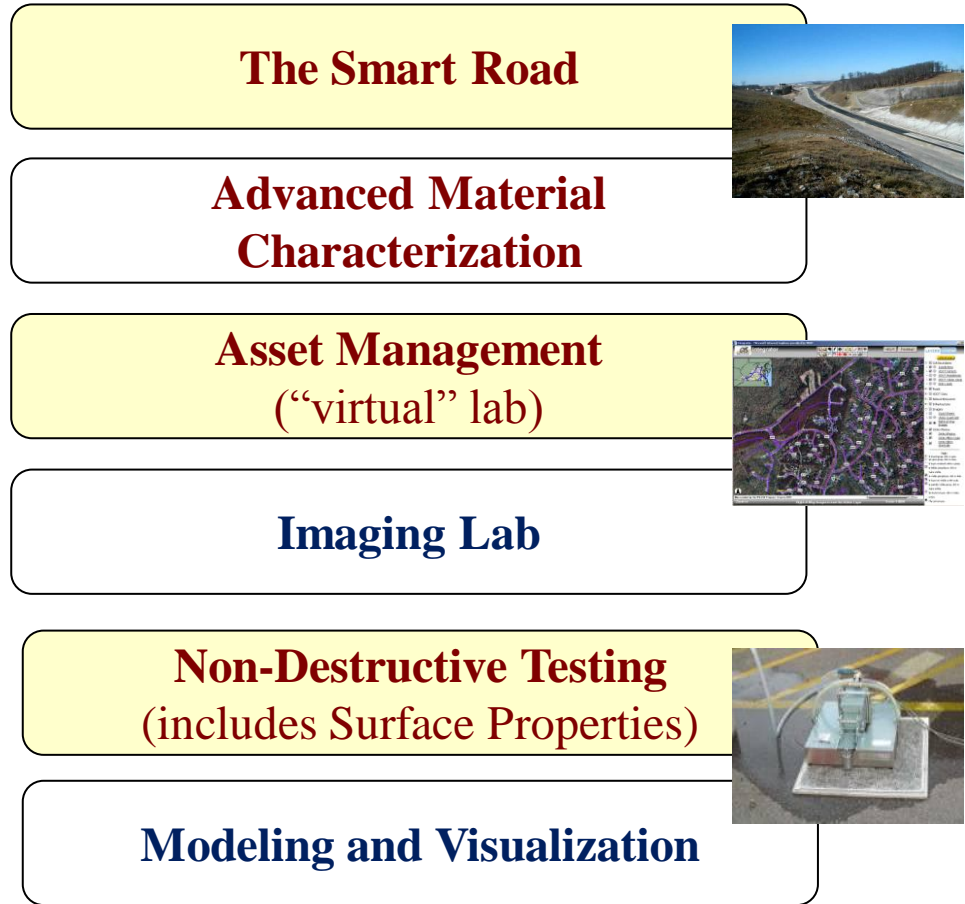
- A worldwide leader in transportation infrastructure research and education
 - Conduct high-impact research for accelerating the renewal, increasing safety, reducing life-cycle costs, and ensuring sustainability of transportation infrastructure systems
 - Be a paradigm of **collaboration** among governments, academia, and **industries**
 - Provide excellent environment, resources, and instruction for students to learn fundamental concepts, acquire advanced knowledge, and gain practical experience

Center Structure

GROUPS



LABORATORIES & FACILITIES



Virginia Sustainable Pavements Research Consortium (VA-SPRC)

- Collaboration to advance the state of pavement engineering in the commonwealth, the United States, and the World
 - Focus on strategically selected high-impact research projects on pavement materials, performance, design, maintenance and management
 - Excellent partnership to pursue national and international funding opportunities

