

# 29th Annual RPUG Conference

Denver, CO November 14-17

## Pavement Surface Properties Consortium – Phase II (TPF-5[345])



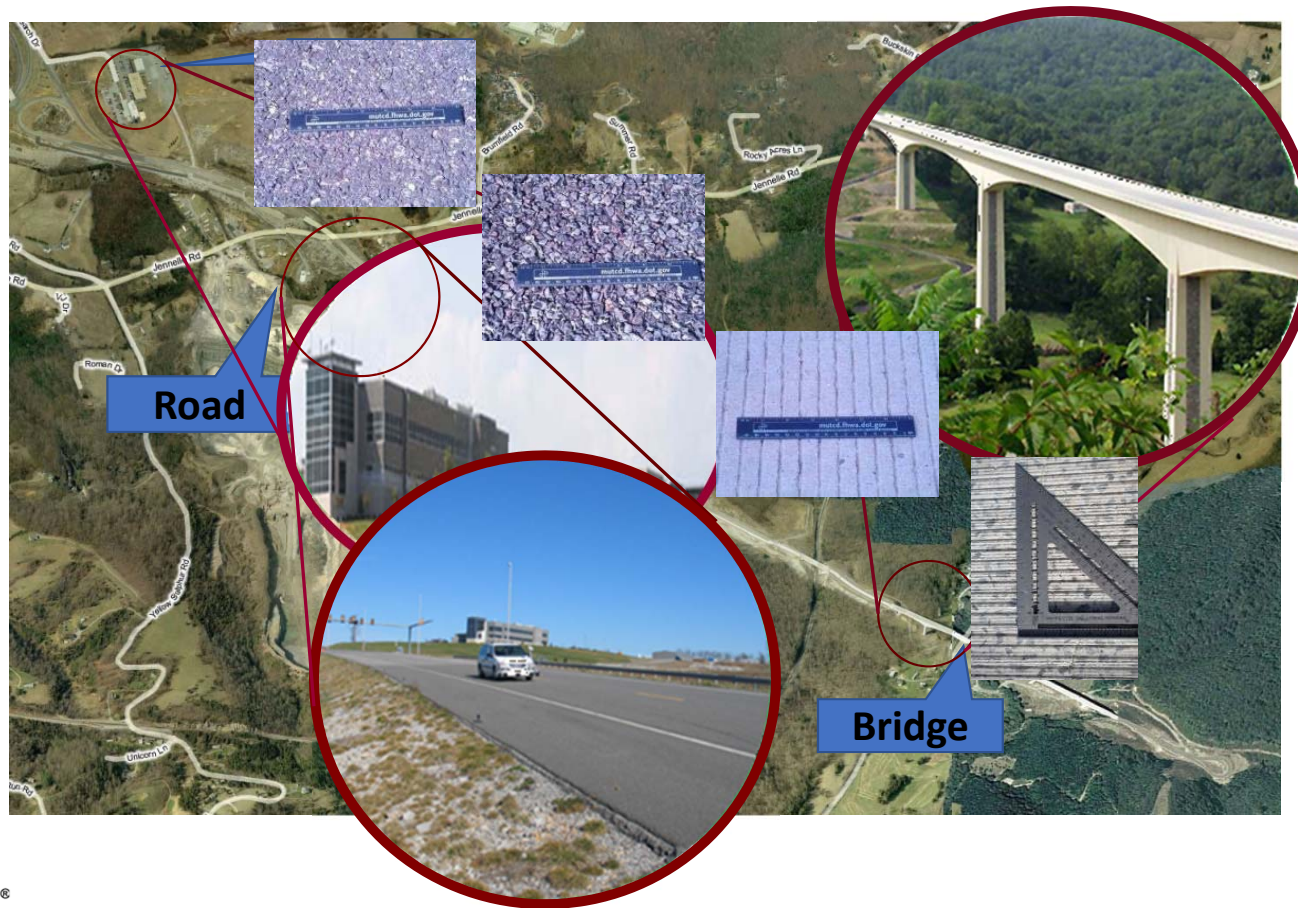
# Phase II – Managing Pavement Properties for Improved Safety

Enhancing and adopting emerging friction and macrotexture measurement technologies and the integration of these measurements into the next generation of pavement asset management systems.

- Equipment Rodeos
- Technology Transfer
- Research on Emerging Topics



# The Virginia Smart Road





# Virginia Automation Park / Surface Street Expansion: VDOT, VTTI, VT



- Residential/suburban layout using “portable” reconfigurable buildings and other elements
- Roundabout/ stop-controlled intersections
- Automation-compatible pavement markings
- Connectivity to the Smart Road





## Rural Roadway Expansion

- Approximately 103 acres
- Rural testing capabilities:
  - Hilly and flat winding roads
  - Small bridges and narrow sections
  - Off-road testing
  - Rural intersections
  - Roadways will be built to “older” (typical in-service) standards





# Upcoming Activities

- Organize the 2018 Equipment Rodeo – [Ohio TRC Facility](#)
- Continued Technology Transfer
- Calibration of the FHWA SCRIM System
- Continuation of FHWA Pavement Friction Management Support Program



# Related Activities by Consortium PI's

- **NCHRP 15-55:** Guidance to Predict and Mitigate Dynamic Hydroplaning on Roadways
- **NCHRP 10-98:** Protocols for Network-Level Macrotexture Measurement
  - [Equipment Rodeo April 9 thru 13th](#)
- **FHWA DTFH61-09-R-00035:** Development and Demonstration of Pavement Friction Management Programs



## MORE INFO?



TRANSPORTATION POOLED FUND PROGRAM

- <http://www.pooledfund.org/Details/Study/594>

Becoming a partner:

- [Kevin.McGhee@VDOT.Virginia.gov](mailto:Kevin.McGhee@VDOT.Virginia.gov)

Technology, analysis, testing, etc. (i.e., questions too hard for Kevin):

- [edeleonizeppi@vtti.vt.edu](mailto:edeleonizeppi@vtti.vt.edu)

