

# VTTI AND VDOT SCHOOL DAY

**April 12, 2016**

## Take a Tour of VTTI

Includes a tour of the Smart Road Control Room; a look into instrumented research vehicles; and a ride on the Smart Road, where students will see rain produced right on the road.

## Smart Road Basics

The Smart Road is a unique, state-of-the-art, full-scale closed test-bed research facility managed by VTTI and owned and maintained by VDOT. It is a 2.2-mile, two-lane road used to perform work that will enhance the safety of all transportation users. The Smart Road features weather-making capabilities, a variable lighting test bed, pavement markings, road weather information systems, differential GPS, road access and surveillance, and a signalized intersection.

## Kid-friendly Stats

- The Smart Road Bridge is 175 feet above the ground, making it one of the tallest bridges in Virginia. It would take 36 10-year-olds standing on each other's shoulders to be able to touch the top of the bridge from the ground. (Average height of a 10-year-old: 58 inches)
- It would take 584,558 10-year-olds to create the same weight as the bridge. (Average weight of a 10-year-old: 68 lbs)
- Since the inside of the bridge is hollow, there is enough space to fit 14 houses! (Average home size: 2,600 sq. ft.)
- If a 10-year-old wanted to buy a bridge like this, he or she would have to save \$1.00 a day for 48,000 years!

If you are interested in having your school class or group tour VTTI, please register at: <http://bit.ly/schoolday2016>

For any questions, please contact: [tours@vtti.vt.edu](mailto:tours@vtti.vt.edu) or call 540-231-1501

For more about events/tours at VTTI: <http://www.vtti.vt.edu/about/tours.html>

