



VIRGINIA TECH
TRANSPORTATION INSTITUTE



SCHOOL DAY

May 12, 2020

Take a Tour of VTTI

See the Smart Road Control Room; Look into instrumented research vehicles; and Ride on the Virginia Smart Road as rain is produced right on the road!

Smart Road Basics

The Smart Road is a full-scale, closed research facility managed by VTTI and owned and maintained by VDOT. Over 16 years of operation, the 2.5-mile Smart Road has seen over 26,000 hours of research by VTTI, automakers, suppliers, and government entities. The Smart Road features weather-making capabilities, a variable lighting test bed, pavement markings, road weather information systems, differential GPS, and a signalized intersection. The test bed also serves as a Federal Aviation Administration test site for unmanned aircraft systems. Recent and ongoing expansions to the Smart Road will facilitate the evaluation of automated vehicles in a full range of customizable environments, including urban, residential, and rural roadways.

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 weigh as much 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/vttischoolday2020>

For any questions, please email: tours@vtti.vt.edu

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

