Under the objective of building a first-of-its-kind nationwide dataset for truck ADS deployments, the Virginia Tech Transportation Institute (VTTI) in partnership with Pronto, a leading truck ADS developer, are collecting data on the ADS readiness of the nation’s highway infrastructure and other key metrics for autonomous truck deployments. The metrics are collected and presented as “perceived” by an ADS system that drives the relevant stretch of highway. They include:

- Road quality
- LTE connectivity
- GPS coverage
- ADS video library

In late 2021, Pronto deployed a vehicle equipped with autonomous technology to collect an initial dataset. This was the first step in an ongoing project that will cover most of the nation’s major freight routes. Prototype interactive maps with initial scores for several of the key metrics were presented at the ITS America conference in December 2021. They represent an opportunity for deeper understanding, greater transparency, data-driven decision making, and informed dialogue by policymakers, industry practitioners, truck fleet operators, and the larger public around trucking ADS projects and related infrastructure priorities.

To stay abreast of the latest developments in this project and discuss opportunities to include freight routes of interest to you in this public dataset, please contact info@pronto.ai.