

Mobile Wireless Drive Test

PROJECT TITLE

Mobile Wireless Drive Test

STUDY TIMELINE

March 2022 – September 2022

INVESTIGATORS

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KEYWORDS

Telecommunications, Mobile Wireless

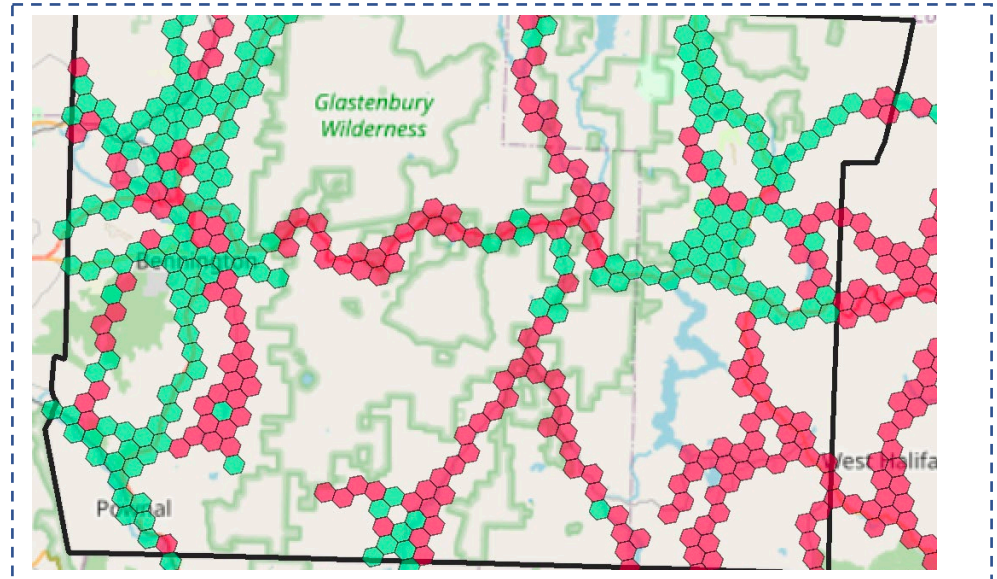
FUNDING

Existing budgets

More information about the VTrans Research Program, including additional Fact Sheets, can be found at:
<http://vtrans.vermont.gov/planning/research>

Introduction or Problem Statement

The state seeks to develop an objective, third-party review of mobile wireless coverage and performance throughout the state.



Methodology or Action Taken

The project will employ Ookla Wind®, a handset-based testing and monitoring solution, and Speedtest® by Ookla, the definitive way to test the speed and performance of your internet connection. Personnel from the Vermont Agency of Transportation (VTrans) will drive all state-maintained highways in the state. The VTrans drivers will have a kit of handsets supplied by the six facilities-based providers operating in Vermont: AT&T, FirstNet, T-Mobile, US cellular, Verizon, and VTel Wireless. These devices will be configured to continuously conduct internet tests and voice calls using Ookla's app as the driver navigates the road.

Conclusions or Next Steps

The project is ongoing. Data collection is expected to be completed in September 2022. Ookla will process the results and provide a final set of deliverables which the state expects to publish in October 2022. The deliverables will be H3 resolution 8 hexagons that depict the results of voice and data tests in that area.

Potential Impacts and VTrans Benefits

The project was initiated to identify areas to be reached by a proposal to deploy 100 new cell towers using Covid response funding. The coverage data will be used by many entities, including the public and VTrans.