



Attobahn, Inc.

"High Speed. High Capacity. High Secure Network."

April 20, 2021

The Honorable Michael F. Doyle, Chairman
Subcommittee on Communications and Technology
Committee on Energy and Commerce
Washington, DC 20515

Re: Universal Broadband Access in the United States and Bridging the Digital Divide.

Dear Chairman Doyle,

I appreciate your holding an important hearing entitled, "Leading the Wireless Future: Securing American Network Technology" on April 21.

Please make this letter part of the official hearing record at the hearing.

Background

The United States of America has an opportunity today to start the protection of its critical infrastructure, lead the world in the new high capacity broadband race while implementing unprecedented security with first to market advantage in facilitating worldwide commercialization.

AttoBahn, Inc. is a privately held, minority-owned American business, which has been focused on solving the problems with high-frequency millimeter-wave transmission since it was founded in 2013. We develop and license advanced technologies to optimize life in the expanding Digital Age. Our mission is completely aligned with Federal and state initiatives to "build high-speed broadband infrastructure in unserved and underserved communities, to bridge the Digital Divide and ensure Americans have Internet connectivity to learn and work from home, access telehealth services, and stay connected to loved ones."

AttoBahn's Broadband Network provides the first wireless and fiber-less mobile broadband network. ***The Network is capable of reliably delivering over 20 Gbps (Gigabits per second) of bandwidth to each end user.*** Our network technology leapfrogs previous 5G and the future 6G's maximum bandwidth capabilities, security vulnerabilities, and affordability thereby placing Attobahn's Broadband network innovation several years ahead of the current telecom technologies. Our technology will eradicate the digital divide with data speeds that are more than 400-800 times faster than the current broadband infrastructure.

Attobahn's deployment methodology creates new opportunities for training in its advanced technology, increasing the skill of American workers to higher paying technical jobs to implement and service the technology.

Our patented system has been made possible because of rapid advancements in radio technology and supportive actions taken by the Federal Communications Commission to encourage new technology development. Extraordinary innovation is now possible in ultra-high spectrum frequencies, where speeds are not measured in megabits but in gigabits, and even in terabits, per second.

As an innovator in wireless communications, AttoBahn has designed and patented the mobile AttoBahn Broadband Ecosystem to relieve Internet congestion that is caused by the unprecedented global volume of voice, data, and multi-media traffic. In addition, with cybercrime scheduled to cost the world \$10.5 Trillion Annually by 2025, it is important to report that AttoBahn's Broadband Network is a highly secure, rapidly scalable, and affordable, high-speed broadband Internet solution.

The Network is now being introduced in select Pilot cities in the United States and abroad. These Pilot cities will have the distinct advantage of being among the smartest of the world's future smart cities in terms of commerce, job creation, data security and the overall quality of life. And accordingly, the United States will be positioned to lead in supporting emerging technologies – including artificial intelligence, virtual reality, autonomous vehicles, telecommunications, telemedicine, cyber-security and national security -- all of which require secure high capacity, affordable broadband.

Build Back Better Opportunity

In January, the FCC estimated that about 44 million Americans households, or about 33.6 percent of the country, lacked access to high-speed internet as of the end of 2018 FCC December Internet Access Services report). Other estimates of the number of underserved Americans are much larger, and the FCC acknowledges that it relies on data from internet providers that overestimates coverage.

Americans have access to high-speed internet but can't afford it. Congress sought to address the problem on a short-term basis with a new \$3.2 billion broadband benefit program for low-income households in a December Covid-19 relief bill.

The United States has an opportunity to lead the world in the new Broadband and Security industry and have the value of first advantage in facilitating worldwide deployment. Attobahn has patent coverage in 113 Countries and believe we have solved the problems with our failing Internet security, capacity, broadband mobility and affordability. Attobahn Network technology establishes a highly secured, high-capacity mobile broadband Infrastructure of tomorrow.

With the dollars allocated for broadband initiatives, we should look at the feasibility of unifying large and small business resources to replace our critical infrastructure with future-proofing technology that will redefine U.S. innovation for years to come. The proposed allocation of Internet infrastructure dollars could fuel this initiative while creating a significant return on investment (ROI) by realizing the value of a homogenous nationwide mobile, virtual fiber Infrastructure.

The revenue model could generate trillions of dollars from the industry by leveraging online training programs that will support long term economic development, bridge the digital divide, improve security and rebuild our critical infrastructure here and abroad.

- America no longer has to lag behind the world in broadband standards. Instead, we can lead. Autobahn intends to make its patented Millimeter wave technology available to the industry in order to compete in competitive bidding processes of building of networks that will provide a

homogeneous instead of a heterogeneous (dedicated not distributed) access to all. We believe that the existing definition of broadband falls short of the next generation of data services. America has a unique opportunity to protect our critical infrastructure while leveling up the digital divide by establishing Secured 20/20 Gigabits per seconds.

AttoBahn is committed to working with the Biden Administration and the U.S. Congress in enacting legislative solutions to the digital divide that works for all Americans.

We look forward to working with the Subcommittee on moving policies forward that will ultimately help the American people.

Please make this letter part of the official hearing record at the hearing scheduled for April 21, 2021 entitled, "Leading the Wireless Future: Securing American Network Technology."

Sincerely,

Darryl Gray

Darryl Gray,
Chairman and CEO
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