

VIDEO #5 page 1

SEGMENT 1

INFRASTRUCTURE REQUIREMENTS

Autonomous trucking does not only require advanced trucks.

It also requires an enormous support infrastructure around those trucks.

*Today, we're going to discuss the infrastructure needed to support large-scale autonomous freight operations.

SEGMENT 2

DIGITAL INFRASTRUCTURE

Many autonomous systems depend on high-definition mapping

Reliable communications systems

Cellular networks & Satellite support

Cloud computing

And artificial intelligence data systems

That infrastructure does not currently exist equally across the entire United States.

SEGMENT 3

SMART FREIGHT CORRIDORS

Many autonomous freight deployments operate on carefully selected freight corridors.

These routes often provide favorable weather, modern highway systems, and strong logistics infrastructure.

*That is very different from attempting nationwide autonomous freight deployment across every roadway environment in America.

VIDEO #5 page 2

SEGMENT 4

RURAL AMERICA AND TIMELINE REALISM

Large portions of rural America still experience limited connectivity, aging infrastructure, and inconsistent roadway conditions.

This creates major challenges for large-scale autonomous operations.

That is why widespread nationwide deployment is likely to happen gradually rather than overnight.

VIDEO #5

CLOSING

Autonomous trucking is not only a software challenge.

It is also an infrastructure challenge.

*Building that infrastructure nationwide would require enormous investment, coordination, and time.